IBM iDoctor for IBM i

# IBM iDoctor for IBM i Main Window and Common Interfaces

#### IBM iDoctor for IBM i Development Team

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### Abstract

Provides in-depth coverage of all major GUI functions for all components at 7.2 and higher. This covers the common features found in all iDoctor components within the Main Window.

Does not include IBM i Explorer, Bookmarks or Session History. See documentation for those functions separately...

### Changes

19 Mar 2025 - Updated for 2025

9 Aug 2023 – Updated for 2023 and client 1635 or higher.

6 Sept 2022 - Updated content to match client 1561

8 Feb 2022 – Created new document to separate the documentation into different documents for ease of maintenance. This is sections 4 and 5 from the previous version of the documentation.

# **Table of Contents**

1 Intr	oduction	7
1.1	Starting iDoctor	7
1.1.1	Via the Filter Pane	7
1.1.2	Via the Components Window	8
1.1.3	Via a bookmark	9
1.1.4	Component Views	9
1.2	iDoctor and Internet connectivity	10
1.2.1	Automatic client updates	10
1.2.2	Automatic server PTF checking	10
1.3	MDI Tabbed Style	10
1.3.1	Grouped	11
1.3.2	Standard	12
1.4	Report Visibility	14
1.5	Collections database	14
1.5.1	Intra-component drill down support	15
1.6	Status Bar	16
1.7	Bookmarks	16
1.8	Tab Previews	17
1.9	Caption Bars	17
1.10	Message Bars	18
2 The	Main Window	20
21	Toolbar	20
2.1	Monu Ontions	20
2.2		23
2.2.1	P Edit	25
2.2.2	View	20
2.2.4	IBM i	28
2.2.5	Window	29
2.2.6	Help	30
2.3	Update History	30
2.4	IBM i Connections View	30
2.4.1	Add/Edit IBM i Connection	34
2.4.2	Change Environment	36
2.5	iDoctor IBM i Components Window	37
2.6	Panes	38
2.6.1	Filter Pane	39

2.6.2	Tables Pane	41
2.6.3	Graphs Pane	
2.6.4	IFS Pane	
2.6.5	Objects Pane	
2.6.6	Active Jobs Pane	
2.6.7	Find Pane	
2.6.8	Output Queues Pane	53
2.6.9	Spool Files Pane	
2.6.10	Object lock info Pane	
2.6.11	User Profiles Pane	
2.7 Po	ower Connections View	60
2.8 Re	emote Command Status View	60
2.8.1	Fields	61
2.8.2	Menu options	61
2.9 Re	emote SQL Statement Status View	61
2.9.1	Fields	
2.9.2	Menu options	
2.10 i	Doctor Messages View	63
2.10.1	Fields	63
2.10.2	Menu options	64
2.11 \$	Set Font	64
2.12	Nait Bucket Preferences	65
2.13	Set User-Defined Reports Database	65
2.14	Vindow Manager	66
2 15	Set default time grouping (clock icon)	88
2.10		
2.10		
2.10.1		
2.10.2	Connection Status View	
2.17	Manu Options	71
2.17.1	Connection Properties	
2.17.2 2 Com		
5 Com	ponent views	
3.1 Me	enu Options	74
3.2 Ac	tive Data	75
3.3 Pr	operties	76
3.3.1	General	76
3.3.2	iDoctor Client Jobs	
3.3.3	Server configuration	

3.4	Sel	ect Fields Window	80
3.5	Lib	raries Folder	81
3.5	5.1	Menu Options	82
3.5	5.2	Fields	82
3.6	Lib	rary Folders	83
3.6	6.1	Menu Options	83
3.6	6.2	Find Collections	84
3.6	6.3	Download	85
3.6	6.4	Upload	87
3.6	6.5	Add Bookmark	88
3.6	6.6	Сору	
3.6	6.7	Save	
3.6	6.8	Transfer to an IBM i	89
3.6	6.9	Clear	90
3.6	6.10	Clear Server Cache	91
3.6	5.11	Delete	91
3.6	5.12	Rename	92
3.6	6.13	Locks -> Library	92
3.6	6.14	Locks -> All objects	
3.6	5.15		
3.7	Co	lections Folder	96
4 Co	olle	ctions	97
4.1	Me	nu Options	97
4.2	Gra	aph Job(s)	99
4.3	Ge	nerate Reports	
4.4	Do	wnload	
4.5	Ado	d Bookmark	
4.6	Co		107
17		ete	108
4.7	De		100
4.0	Rei O		
4.9	Sav	/e	
4.10	) Т	ransfer to	110
4.1	0.1	Transfer to another IBM i	111
4.1	10.2	Transfer to FTP server	
4.1	10.3	I ranster to IBM	
4.11	S	erver-side output files	116
4.12	2 U	ser-Defined Reports	117

4.1	2.2	Creating a user-defined report	118
4.1	2.3	Graphs	119
4.1	2.4	Tables	120
4.1	2.5	Menu Options	122
4.1	2.6	Column settings overrides	123
4.1	2.7	Other repositories	123
Ar	naly	/ses	.124
5.1	An	alyze Collection(s) Window	125
5.1	.1	Situations Window	127
5.1	.2	Situations Editor Window	128
5.2	Ru	n ALL Default Analyses	130
5.3	An	alyses -> Run analysis menu	131
5.4	Ch	ange sensitive user data	131
5.5	Re	store sensitive user data	132
M	onit	tors	.133
6.1	Со	mmands	133
6.2	Me	enu Options	134
6.3	Fie	elds	135
6.4	Мо	onitor Wizard	136
6.4	.1	Welcome	136
6.4	.2	Partition Selection	137
6.4	.3	FTP Definition	138
6.4	.4	Basic Options	139
6.4	.5	Scheduling	142
6.4	.6	Finish	142
FT	P C	Definitions	.144
7.1	Me	enu Options	144
7.2	Fie	lds	144
7.3	FT	P Definition Window	145
Pr	efe	rences	.147
8.1	Dis	splay	147
8.2	Dis	splay – Advanced	150
8.3	Gra	aph Flyovers	151
8.4	Re	size	152
8.5	Fo	nts/Colors	153
8.6	Со	py/Export	154
8.7	Sc	heduling	156
	4.1 4.1 4.1 4.1 4.1 5.1 5.1 5.2 5.3 5.4 5.5 6.1 6.2 6.3 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4	4.12.2 4.12.3 4.12.4 4.12.5 4.12.6 4.12.7 <b>Analy</b> 5.1 An 5.1.1 5.1.2 5.2 Ru 5.3 An 5.4 Ch 5.5 Re <b>Moni</b> 6.1 Co 6.3 Fie 6.3 Fie 6.4 Mo 6.2 Me 6.3 Fie 6.4 Mo 6.4.1 6.4.2 6.4.3 6.4.4 6.4.5 6.4.3 6.4.4 6.4.5 6.4.6 <b>FTP I</b> 7.1 Me 7.2 Fie 7.3 FT <b>Prefe</b> 8.1 Dis 8.2 Dis 8.3 Gra 8.4 Re 8.5 Fo 8.6 Co 8.7 Sc	4.12.2       Creating a user-defined report.         4.12.3       Graphs.         4.12.4       Tables.         4.12.5       Menu Options         4.12.6       Column settings overrides.         4.12.7       Other repositories.         Analyses       Analyses         5.1       Analyze Collection(s) Window         5.1.1       Situations Editor Window         5.2       Run ALL Default Analyses         5.3       Analyses -> Run analysis menu         5.4       Change sensitive user data         5.5       Restore sensitive user data         5.4       Change sensitive user data         6.1       Commands         6.2       Menu Options         6.3       Fields         6.4       Monitor Wizard         6.4.1       Welcome         6.4.2       Partition Selection         6.4.3       FTP Definitions         7.1       Menu Options         6.4.4       Finish         FTP Definitions         7.1       Menu Options         7.2       Fields         7.3       FTP Definition Window         Preferences       10         8.1       Display

10 5	QL Editor	
9.1.	2 Comparing multiple rows	174
9.1.	1 Viewing a single row	173
9 Re	cord Quick View	173
8.18	КВ	
8.17	Generate Reports	
8.16	MDI Tabs	
8.15	Tips	
8.14	Power	
8.13	Terminal Sessions	
8.12	Send to IBM	
8.11	Misc	
8.10	Data Viewer	
8.9	SQL	
8.8	Confirm	

### **1** Introduction

This document covers the iDoctor client and major common functions provided in all components.

#### **1.1 Starting iDoctor**

iDoctor may be launched in one of several ways:

- 1. Via the IBM iDoctor for IBM i desktop icon
- 2. Via the Window button in the task bar and type in iDoctor as a search value.
- 3. By passing an idoctor:// URL string to a web browser. To generate this string, look for a "Add Bookmark" button or menu where this option is available.

The iDoctor Main Window will initially show a list of recent changes made in the <u>iDoctor Update History</u> window.

ADVANCED - iDoctor C01770 [C\PROGRAM FILES (X86)\IBM\DOCTOR\DOCTOR.EXE 2025-03-19-05.58.02] CA 110-28 - [1 iDoctor Update History] -								
Welcome to iDoctor! Messages are shown here. Use View -> Session History to see previous usage.								
File Edit View IBM i Window Help								
Filter	ą							
System (IBM i): Idoc730 Component: Job Watcher (JW) Reset Search Create Report								
Libraries: 📶 🛨 🛄 Freeze 🖬 Old data 🗌 New results 🗌 Verify procs								
Collection name: <u>ALL</u> Desc contains: <u>ALL</u> Owner: <u>ALL</u> LPAR <u>ALL</u>								
Elter Tables / IFS / Objects & Active jobs / Find								
IBM i Connections 1 1Doctor Update History I	•							
History								
Include older updates Copy latest 1 builds								
Don't show again Show Find								
2025-03-19 C01770 - General - Bug Fix Request Fixed Add Filter issues with recent builds.	1							
2025-03-18 C01770 - General - Bug Fix Request In recent builds, the graph legend did not show situations and is fixed.								
2025-03-18 C01770 - General - Usability Redesigned the reconnect handling mechanism as follows:								
<ol> <li>If a connection has been lost for a system, then all connections will be first disconnected and flagged as connection lost in whatever view you are currently using. At this point the QZRC* jobs will all be reconnected.</li> <li>Next refresh will invalidate the connection for any open views, sheets and Wizards in Main Window and Data Viewers. Note: This doesnt handle modeless dialogs but those are rarely used.</li> <li>Then the current view will have its ODBC connection (QZDA job) reestablished and refreshed. The other views QZDA* connections are not recreated for perf reasons, until they are needed and manually refreshed. They will show connection lost status until used.</li> </ol>								
2025-03-18 C01769 - General - Bug Fix Request Fixed potential crash if stored procedures are missing when first connecting relating to the logic to precreate extra DV connections. Now it will wait for 10 seconds and check if Remote SQL statement status view is active or not (and keep waiting), until it has finished running before proceeding.								

Clicking X on this screen will show the screen to define your connections to the IBM i.

Right click in the <u>IBM i Connections View</u> and use the <u>Add Connection</u> menu to add a connection. All connections must be added via this interface. Connections created will then appear under the various Panes in the System drop-down list.

Tip: The data analysis functions of iDoctor can be accessed in 1 of 3 ways:

- 1) Filter Pane and picking the desired system/component.
- 2) iDoctor Components Window via the IBM i Connections view and double-clicking.
- 3) A bookmark

#### 1.1.1 Via the Filter Pane

This is the interface near the top of the Main Window by default. Pick the desired system and component from the drop-down lists and click 'Search' to launch a component. To clear all filters, hit the 'Reset' button.

IBM iDoctor for IBM i

**Note:** This will only work if an access code has already been applied to the system. If not, then use the iDoctor Components Window instead and apply keys first.

ADVANCED - iDoctor C01770 [C:\PROGRAM FILES (X86)\BM\/DOCTOR\IDOCTOR.EXE 2025-03-19-05.58.02] CA 110-28 - [1 iDoctor Update History] Welcome to iDoctor! Messages are shown here. Use View -> Session History to see previous usage. File Edit View IBM i Window Help Filter System (IBM i): Idoc730 • Component: Job Watcher (JW) • Reset Search Create Report Libraries: \*ALL • □ Freeze Old data New results Verify procs .... Collection name: \*ALL Desc contains: \*ALL Owner: \*ALL LPAR \*ALL 🖻 Filter 🔲 Tables 🥜 IFS 🌶 Objects 🚳 Active jobs 🕫 Find IBM i Connections / 1 iDoctor Update History 🔳

### **1.1.2 Via the Components Window**

From the IBM i Connections View, double-click a system to access this window.

It will show the list of components found and their status.

Job Watcher       01/21/25       Never       Available         Collection Services Investigator       01/21/25       Never       Available         Plan Cache Analyzer       01/21/25       Never       Available         Disk Watcher       01/21/25       Never       Available         Disk Watcher       01/21/25       Never       Available         Mi Explorer       01/21/25       Never       Available         W IM Analysis       01/21/25       Never       Available         Temp Storage Analyzer       01/21/25       Never       Available         Nmon       01/21/25       Never       Available         Knowledge Base       01/21/25       Never       Available         Memory Watcher - DMPMEMINF GUI       01/21/25       Available	IWJ Job Watcher 鎺 Collection Services Investigator 翻 Plan Cache Analyzer 二 のDisk Watcher	01/21/25 01/21/25	Never	Available	
Oldertion Services Investigator       01/21/25       Never       Available         Plan Cache Analyzer       01/21/25       Never       Available         Disk Watcher       01/21/25       Never       Available         Disk Watcher       01/21/25       Never       Available         IM Explorer       01/21/25       Never       Available         IM Explorer       01/21/25       Never       Available         IM I Explorer       01/21/25       Never       Available         IM I Explorer       01/21/25       Never       Available         IM Nmon       01/21/25       Never       Available         IM Nmon       01/21/25       Never       Available         IM Memory Watcher - DMPMEMINF GUI       01/21/25       Available	Collection Services Investigator Collection Services Investigator Collection Services Investigator	01/21/25	INEVEL		
Image: Source Sinters and sectors a	Replan Cache Analyzer	01/21/25	Novor	Available	
Image: Second	Disk Watcher	01/21/25	Never	Available	
Image: PEX Analyzer     01/21/25     Never     Available       Image: RM i Explorer     01/21/25     Available       Image: RM i Explorer     01/21/25     Never       Image: RM i Market     01/21/25     Available		01/21/25	Never	Available	
Image: Storage Analyzer     01/21/25     Available       Image: Storage Analyzer     01/21/25     Never     Available       Image: Storage Analyzer     01/21/25     Never     Available       Image: Storage Analyzer     01/21/25     Never     Available       Image: Nimon     01/21/25     Never     Available       Image: Nowledge Base     01/21/25     Never     Available       Image: Nowledge Base     01/21/25     Never     Available       Image: Nowledge Base     01/21/25     Never     Available	PEX Analyzer	01/21/25	Never	Available	
UVM Analysis       01/21/25       Never       Available         Temp Storage Analyzer       01/21/25       Never       Available         Nmon       01/21/25       Never       Available         Non       01/21/25       Never       Available         Knowledge Base       01/21/25       Never       Available         Memory Watcher - DMPMEMINF GUI       01/21/25       Available	😰 IBM i Explorer	01/21/25		Available	
Image Analyzer       01/21/25       Never       Available         Nmon       01/21/25       Never       Available         Image Knowledge Base       01/21/25       Never       Available         Image Memory Watcher - DMPMEMINF GUI       01/21/25       Never       Available	JVM Analysis	01/21/25	Never	Available	
Impon       01/21/25       Never       Available         Knowledge Base       01/21/25       Never       Available         Memory Watcher - DMPMEMINF GUI       01/21/25       Available	Temp Storage Analyzer	01/21/25	Never	Available	
Anowledge Base 01/21/25 Never Available Memory Watcher - DMPMEMINF GUI 01/21/25 Available	🔀 Nmon	01/21/25	Never	Available	
Available Available	🔀 Knowledge Base	01/21/25	Never	Available	
	Memory Watcher - DMPMEMINF GU	01/21/25		Available	
Close window after slicking Laureh	Class window after disking Launsh				

If the status indicates the component is not available due to a missing access code, you can enter the access code at the bottom of this window.

If the status message indicates the access code is not found or invalid, these are the possible reasons:

- 1. Serial number provided to IBM was incorrect.
- 2. The wrong OS level of the iDoctor server code is installed. This can happen (for example) if you have iDoctor 7.1 installed and then upgrade the system to 7.4 without also updating the iDoctor server code.
- 3. The access code entered was for the wrong component (you asked for PEX but really wanted Job Watcher)
- 4. Access code generation error (on IBM's side). This could be due to an administrative error, website problem, etc.
- 5. User spaces QZRD20 and QZRD21 in QGPL deleted or tampered with.

**Note:** If the <u>iDoctor components window</u> does not list the component as "Available" but lists a message about the client and server build levels not being up to date, you can still continue to launch the component anyway. But in this situation some functionality may not work correctly. If problems occur, then it's typically recommended to download the latest version and install it on both client and server.

#### 1.1.3 Via a bookmark

Bookmarks can be created for any Pane and most folders within the Component View interfaces. This saves whatever parameters you have defined so they can be used later.

Right-click a Pane and use Add Bookmark to create a new bookmark. Then right-click the Pane again and the bookmarks associated with that Pane will be listed near the top.

This example shows the bookmarks defined for the Filter pane. Just the 2-character component ID from the component drop down list is listed and then a description of what the bookmark is. For example, the bookmark 'CS \*ANY, LIB = QPFRDATA' would allow quick access to the QPFRDATA library for Collection Services Investigator for the current system listed in the System drop-down list.

Filter												
e	System (IBM i): Ctcdb74w		<b></b>	Componer	it: Job Watc	her (JW)	-	R	eset	Search	Cre	ate Repor
t E Filter	RS SA, Idoc730, lib=027FDB8 JW, Mcei5l1.itc.ibm.com, BM BA, Idoc730 SH	3, All Documents lib=TS343930AD	v: *ALL	 Owne	Freeze		LP4	☑ Old data	1 a	Vew results	□ Verify p	rocs
	RQ, Idoc730, Integration Testing JW, Idoc730, Iib=DEMO2 CS, *ANY, Iib=QPFRDATA CS, Idoc730, Iib=CSLAB-		t:db74w: Job Watcher cription traries containing Job V k k with definitions use k k with saved call stact urk with the SQL-based ork with iDoctor monito	X Vatcher collection d for creating coll cs and job signatu tables generated rs used for transferi	s (filterable) ections res by iDoctor a	nalysis pro	ocesses (librar	y filterable)				
	Save to Knowledge Base.  Add Bookmark  Connections  1 iDoctor	r Update History	ork with system metrics	tables, graphs, Il	rences 4	bjects, joł Ctcdb74	bs, disks, SQL 1	functions and	d more.			
⊡ <b>(11)</b> Col	lection Services Investigator Libraries: QPFRDATA Qpfrdata	Library Name	Status Description	Start time	End LPAR time	LPAR VRM	Owner C	Collections	Collection types	Collection desc (max)	Collection status (max)	Data rea (max)

OCOLSRV

### 1.1.4 Component Views

CS objects: QPFRDATA
 SQL tables: QPFRDATA
 Monitors
 FTP Definitions
 IBM i Explorer

] Qpfrdata

N/A

Performance Data Library

Assuming the desired component is listed as "Available", double-clicking on it will open the component view for it. Component views display all reporting options available for the desired system and component. Multiple component views may be in use within the same Main Window as desired. Using the Filter Pane is easiest to launch additional components or revisit the Connections View and double-click the desired system a second time.

ne IBM i	Connections 1 iDoctor	Update History 🦯	2 Ctcdb74w: Job Watcher
tcl 🖃 🐺 Job	Watcher	Function	Description
ari 😐 🛄	Libraries	Libraries	Libraries containing Job Watcher collections (filterable)
.bj 🔤 📴	Definitions	Befinitions	Work with definitions used for creating collections
lei 🗄 🖻	Data repository	Data repository	Work with saved call stacks and job signatures
3 🗼 🔒 I	SQL tables	SQL tables	Work with the SQL-based tables generated by iDoctor analysis processes (library filterable)
) 🗄 👘	Monitors	Monitors	Work with iDoctor monitors
è 🔹	FTP Definitions	FTP Definitions	Work with the definitions used for transfering collections
÷	IBM i Explorer	IBM I Explorer	Work with system metrics, tables, graphs, IFS, libraries, objects, jobs, disks, SQL functions and more
E			
J			

Job Watcher component view example

### **1.2 iDoctor and Internet connectivity**

This section describes the functions performed behind the scenes at startup that require an Internet connection to be successful. If one is not available or blocked by a firewall on the PC, then these functions will NOT be performed.

#### 1.2.1 Automatic client updates

When the iDoctor client starts, it will check if a newer client build is available. If one is available, you will be asked if it should be downloaded and installed.

By picking yes, the latest client will be downloaded, the current client will end, and the default web browser will be started to download the latest client update. After installation is complete, the iDoctor GUI will be launched again.

**Note:** This check can be disabled by going under Preferences -> Confirm and unchecking the 1<sup>st</sup> option shown.

BM i Connections 1 iDoctor Update Hi	istory 2 Ctcdb74w: Job Watcher 3 Preferences 🗵
: Display Display - Advanced Graph Flyovers	Resize Fonts/Colors Copy/Export Scheduling Confirm SQL
OK Cancel	
Check for new builds	Check for .NET
Prompt when closing Data Viewers	Prompt on exit

#### 1.2.2 Automatic server PTF checking

When the iDoctor client starts, it will attempt to determine the latest required PTFs for the various performance components of IBM i, used by iDoctor. These PTF lists are stored on the iDoctor website's FTP server and downloaded to the PC. When PTFs are checked later when collections are started, the latest PTF lists will be used.

### 1.3 MDI Tabbed Style

The MDI Tabbed style option controls the look and behaviors of the interface for most of the GUI. You can change this under the View -> MDI Tabbed Style menu.

File	Edit	Viev	v IBM i Window Help	)	_		
	0 2	22	Full Screen	F11	$ \times $	📧 📑 🕒	🕫 🖬 💈
Filter			Merge Groups	F12			
		27	∠ ק Maximize Table F				
🔹 Refresh				F5			
	Sy	↔	Resize Column Widths	F8			
			MDI Tabbed Style	•	F	Grouped	Ľ
			Report Visibility	+		Standard	-
	~ "		Tab/Report Titles	+		Preferences	
Col			Tab Previews	•	-	Treferences	

The options are:

- 1) Grouped Multiple tabs can be grouped together to compare with another group of tabs.
- 2) Standard Provides tabs and allows users to tile and cascade but you <u>cannot</u> create groups of MDI tabs to compare with other tabs.
- 3) Preferences Use this interface to control options for these styles.

#### 1.3.1 Grouped

The Grouped MDI style allows users to drag and drop tabs/views order in order to create 1 or more groups of tabs. This makes it relatively easy to make comparisons of 1 or more view(s) vs another set of views. This setting is the default setting in iDoctor.

To drag and drop a tab simply left click on a tab and hold the mouse down and move the mouse pointer to the desired part of the window to create a new tabbed group in (top, bottom, left or right.) Once in the correct location Windows will display a shaded rectangle around the area where the new tab will appear. At this point release the left mouse button and the tab will be moved to this location.

Note: Using the Tile or Cascade options will switch the mode to Standard.

An example is:

#### IBM iDoctor for IBM i

ADVANCED - iDoctor C01770 [C:\PROGRAM FILES (X86)\BM\IDOCTOR\IDOCTOR.EXE 2025-03-19-05.58.02] CA 110-28 - [2 Ctcdb74w: Job Watcher] -										
MDI Tabbed Style set to Grouped										
File Edit View IBM i Window Help										
Filter						д				
f System (IBM i): Ctodb74v			Job Watcher (INO							
Cicub74w			Job Watcher (JW)	Reset	Search	Create Re				
Libraries: *ALL		•	Freeze	🕑 Old data	O New results	🗌 Verify proc				
Collection name: *ALL	Desc *ALL contains:	Owner	*ALL	LPAR *ALL						
🖻 🖻 Filter 📗 Tables 🖉 IFS 🏓 Obje	ects 🖏 Active jobs 💬 Find									
2 Ctcdb74w: Job Watcher 🗵	IBM i Connections					•				
: 🖃 🛺 Job Watcher	Function Descr	ption								
i i i iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Libraries Libra Definitions Work Data repository Work SQL tables Work Monitors Work	rise containing Job Watcher with definitions used for cri with saved call stacks and j with the SQL-based tables with iDoctor monitors with bloctor monitors with the definitions used fo with system metrics, tables,	collections (filterable) eating collections ob signatures generated by iDoctor an r transfering collections graphs, IFS, libraries, ol	nalysis processes (library fi bjects, jobs, disks, SQL fun	tterable)					

Main Window with the MDI Tabbed Style set to Grouped

#### 1.3.2 Standard

The Standard MDI style combines the benefits of using tabs with features like cascading and tiling. Each view / tab created will have its own minimize, maximize, close buttons and can be custom resized.

Multiple tabs cannot be grouped together with this mode. You can right-click on a tab to get additional options.

Tabs do not provide any drag /drop support.

An example is:

IBM iDoctor for IBM i

ADVANCED - IDoctor C01770 [C:\PROGRAM FILES (X86)\JBM\JDOCTOR\JDOCTOREXE 2025-03-19-05.58.02] CA 110-28 - [2 Ctcdb74w: Job Watcher] - [2 Ctcdb74w-Job
Ready         Image: File Edit View IBM i Window Help         Image: File Edit View IBM i Container         Image: File Edit View IBM i Container         Image: File Edit View IBM i Contections
Image: File Edit View IBM i Window Help         Image: File Edit View IBM i Connections
Image: Solution of the second seco
Filter         Ibraries:       ALL         Component:       Job Watcher (JW)         Reset       Search         Create F         Libraries:       ALL         Collection name:       *ALL         Desc       *ALL         Owner:       *ALL         Libraries:       # Collection name:         *ALL       Desc         Collection name:       *ALL         Contains:       *ALL         Owner:       *ALL         Libraries:       # Owner:         *ALL       Desc         *ALL       Owner:         *ALL       Desc         *ALL       Owner:         *ALL       Desc         *ALL       Desc         *ALL       Owner:         *ALL       Desc         *ALL       Owner:         *ALL       Desc         *ALL       Desc         *ALL       Owner:         *ALL       Desc         *ALL       Owner:         *ALL       Desc         *ALL       Owner:         *ALL       Owner:         *ALL       Owner:
It     System (IBM i):     Ctcdb74w     Component:     Job Watcher (JW)     Reset     Search     Create F       Libraries:     ALL     Image: Collection name:     Image: ALL     Image: Collection name:     Image: Collection name:     Image: ALL     Owner:     Image: ALL     Image: Collection name:     <
te     System (IBM i):     Ctcdb74w     Component:     Job Watcher (JW)     Reset     Search     Create i       Libraries:     ALL     Image: Collection name:     *ALL     Image: Collection name:     *ALL     Owner:     *ALL     Image: Collection name:     *ALL
Image: System (IBM i):       Ctcdb74w       Component:       Job Watcher (JW)       Reset       Search       Create F         Libraries:       Image: Search       Image: Search       Image: Search       Image: Search       Create F         Collection name:       *ALL       Desc       *ALL       Owner:       *ALL       LPAR       *ALL         Image: Search       Collection same:       *ALL       Desc       *ALL       Owner:       *ALL       LPAR       *ALL         Image: Search       Tables       2"IFS       # Objects       # Active jobs       # Find       ************************************
Libraries: ALL Desc *ALL Owner: *ALL LPAR *ALL Collection name: *ALL Desc *ALL Owner: *ALL LPAR *ALL Filter Tables z* IFS & Objects & Active jobs \$P Find 2 Ctcdb74w: Job Watcher IMBM i Connections CME 2 Ctcdb74w: Job Watcher IMBM i Connections
Libranes: ALL Freeze Old data New results Verify pr C Collection name: *ALL Desc *ALL Owner: *ALL LPAR *ALL E Filter Tables _* IFS Objects \$\$ Active jobs \$\$ Find Y 2 Ctcdb74w: Job Watcher IBM i Connections C 2 Ctcdb74w: Job Watcher IBM i Connections
Collection name: *ALL Desc *ALL Owner: *ALL LPAR *ALL Filter Tables z* IFS # Objects & Active jobs 39 Find 2 Ctcdb74w: Job Watcher IBM i Connections CM2 2 Ctcdb74w: Job Watcher IM IBM i Connections
E ➡ Filter
M 2 Ctcdb74w: Job Watcher I IBM i Connections
alua 2 Ctcdb74w; Job Watcher – 🕛 🗙
Function Description
Libraries     Libraries
Beta repository     Data repository     Data repository
B SQL tables Work with the SQL-based tables generated by iDoctor analysis processes (library filterable)
Monitors Work with iDoctor monitors
Yer Definitions     Yer Definitions     Work with the definitions used for transfering collections     Work with the definitions used for transfering collections     Work with the definitions used for transfering collections
BIM i Explorer
n
u

Main Window with the MDI Tabbed Style set to Standard

### **1.4 Report Visibility**

This option is used to control the level of detail shown in iDoctor in 3 ways: Basic, Detailed, Advanced.

You can set this using the View -> Report Visibility menu in both the Main Window and Data Viewer windows.



Basic mode will show the fewest reports and Advanced will show all reports. For new users Intermediate is recommended.

**Note:** You can tell which mode is in use by looking at the first text in the title bar of the Main Window or Data Viewer.

ADVANCED -	Doctor C01770	[C:\PRO	GRAM FIL	ES (X86)\I	BM\ID0	OCTOR		OR.EX	E 202!
Ready	•								
File Edit	View IBM i	Window	Help						
a 🗿 🖸	Full Screer	า		F11	$ \times $	8	9 🕫	5	57 29

If you cannot find a graph that another user can see, then the 1<sup>st</sup> thing to check is which report visibility mode you are using, and you may need to set this to Advanced to see the missing graph.

### **1.5 Collections database**

The iDoctor collections database is built into the design of iDoctor and is used to improve performance in the GUI when listing the collections that exist on an IBM i. It supports the following types of data:

- PEX
- Job Watcher (JW)
- Collection Services (CSI)
- Disk Watcher (DW)

The database resides in these tables in QUSRSYS.

Table	Description
QAIDRLIBS	Collections cache list of libraries.
QAIDRCOLS	Collections cache list of collections.

These tables provide the ability to:

- 1. Drill down in the overview graphs in CSI or Job Watcher to drill down into another component's data for the same system in the same time period. This is typically used to drill down from CSI to Job Watcher and/or PEX.
- 2. Speeds up listing collections in libraries in iDoctor.
- 3. Identify libraries with "old" collections. Use Preferences -> Display -> Old at N months option to set what is considered old. The default is 1 year.

**Note:** These tables are cleared after a reinstallation of the server builds and it is recommended that they be rebuilt before using the GUI to analyze data. Right-click the component icon and choose **Collections** database -> Refresh all to do this.

#### Menu Options:

The following options are available under the Collections Database menu:

Check for locks
This opens the Object lock info Pane to check for any locks on the QAIDRCOLS table. If any user
has a CSI/JW Collection overview time signature graph open a lock will exist and these graphs
and/or jobs will need to be closed before using the Delete or Full rebuild options. Any locks are
 shown within the IBM i Explorer -> Work management -> Object lock info folder.
Refresh all
This will submit jobs to rebuild the collections database for all 4 components PEX, DW, JW and
 CSI. This requires a working FTP connection.
Refresh
This will submit a job to rebuild the collections database for the current component. This requires a
 working FTP connection.
Schedule refresh
 I his option allows you to schedule a daily refresh of the database.
Full rebuild
I his option will delete and fully recreate the database. Use the Check for locks option before using
 inis or it will likely fall.
VIEW IIDFAFIES
 Inis opens the QUSRSYS/QAIDRLIBS table.
Clear all Demoved all records from the OAIDDUBS and OAIDDCOLS tables
Clear Demouse all collections from the OAIDDCOLS table for the surront component only
Delete This will delete the OAIDDURS and OAIDDCOLS tables. Use Check for looks before using If you
This will delete the QAIDRLIDS and QAIDRCOLS tables. Use Check for locks before using. If you
correctly
This refreshes the IBM i Collections Database built into the OS but not used by iDector for most
things. It is used for functions like PDI. This DB is only used in iDoctor when listing the Collection
Services Investigator – C.S. Objects folder

#### 1.5.1 Intra-component drill down support

Some overview graphs in Job Watcher and Collection Services Investigator use the Collections database to identify and drill into other types of data. If a drill down into another type of component is available a "widget" is shown on the graph which is special shape. Then the menu option will contain options for the

current component and an option for each available additional component you can drill into for this system and time period.

In the following example CSI graph the plus sign (within the red box) indicates a drill down into PEX Analyzer is available and the normal drill downs into CSI are available under the CS menu. The collection name for each is also listed in the menu.



CSI Collection overview time signature showing intra-component drill down into PEX Analyzer.

#### 1.6 Status Bar

The Status Bar in iDoctor is located at the bottom of the Main Window and Data Viewer windows.

It consists of 4 parts that provide information to the user about the current interface (last clicked or with mouse focus) which are:

1.	Status Text										
This a	his area contains a tip based on the current focus, folder, GUI control or active menu option.										
2.	2. Connection										
lf appl	f applicable, this section will list the QZRC* and QZDA* job numbers and how long they have been idle.										
3.	Selection										
This sl	hows the numbe	r of rows	selected in a table o	r graph.							
4.	<b>Row Position</b>										
This s	ection shows the	current s	scroll position for a ta	able or graph.							
-											
- <b>₩</b>	Job Watcher	name 🛆	Description	Last used	Status						
	Lefinitions	MCCARGAR	Ron McCargar/Rochester/IBM@IBMUS	2025-03-23-00.00.00.000000	*ENABLED						
	B SQL tables	MCCARGAR2	non meeting and not nested prome	2024-10-29-00.00.00.000000	*ENABLED						
	Monitors FTP Definitions										
. ÷	IBM i Explorer										
Job Wa	tcher list view: This interface allows	you to work with dat	ta applicable to the component you are using.		1: OZRC-7564	129 1.07 hrs QZDA-75 No selection	1 - 3 of 3				
					2	2	4 -				

### 1.7 Bookmarks

Bookmarks are shortcuts into the GUI for specific functions you wish to revisit later. Bookmarks can be created using the Add Bookmark toolbar button, menu or using the CTRL+D keyboard shortcut when the mouse is over a menu option that you wish to bookmark.

These are text files stored in iDoctor's %AppData% folder. The location for that folder can be found in the Help -> About window. Each text file contains an idoctor:// URL that contains parameters needed by iDoctor to perform the action. These can be copied and pasted into a web browser if desired and iDoctor will launch and execute the bookmark.

For more information see the documentation on Bookmarks.

### **1.8 Tab Previews**

Tab previews are screenshots that appear when you place the mouse over a tab that is not currently active. This lets you know what exists behind that tab prior to clicking on it. These screenshots created by the Tab Preview support are also used by the Session History component.



For more information see the Session History documentation.

### **1.9 Caption Bars**

Caption bars exist at the top of most iDoctor windows, and can have special functions associated with them when right-clicking. The also typically provide normal Windows functions like Minimize, Maximize or Close.

For example, the Main Window Caption bar has these options found on a right-click:

ADVANCED - iDoctor C01770 [C:\PROGRAM FILES (X86)\IBM\ID	New SQL Editor	-10-05 50 001 CA 1	10-28 - [1 iDoctor Update History	n — 🗆 🗙
File Edit View IBM i Window Help	Clear GUI Cache	Ctrl+Shift+D		
🚎   🗿 🗹 🌌 SOL 📃   🚮 🕒 🕎 🎤   🗍 🖷 <> 🗡 🗷	Report Visibility	F11	🖪 🖬 🗮 🖽 🖬 😽	💿 н 💿 🗕 🗛 🕂
Filter	<ul> <li>Copy Window Copy Screen</li> </ul>			ф.
System (IBM i): Mcei511.itc.ibm.com	Exit	Alt+F4	Reset	Search Create
Libraries: DEMO2	•	🗌 Freeze	🗹 Old data 🗌	]New results □ Verify p
Collection name: *ALL Desc *ALL *ALL	Owner:	*ALL	LPAR *ALL	

Double-clicking a caption bar will maximize the window (if allowed.) Doing this again will restore the previous window size and position.

Caption Bars also exist if using MDI Standard Mode for each view created or for popup Dialogs.

#### 1.10 Message Bars

Most windows have a message bar in iDoctor to handle showing informational or error messages or ask questions of the user. Message Bars replace traditional Windows Message Boxes found in older versions of iDoctor and exist near the top of each window under the caption bar.

ADVANCED - iDoctor C0	1770 [C:\PROGRAM	VI FILES (X86)\IBM\IDO	CTOR\IDOCT	OR.EXE 2025-03	-19-05.58.02] CA 110-	28 - [1 iDo	ctor Update Hi	story] —		$\times$
Welcome to iDoctor! N	lessages are shown	n here. Use View -> S	ession Histo	ory to see previo	ous usage. 🚺					
File Edit View IB	M i Window Hel	р								
🚎 🛛 💽 🗾 SQL	🗏   🚮 🖪 🗔 🌶	°   🔲 🗈 🔿 🗡 🗷	I 📓 🕒 🕫		$\mathbb{Z}^{n}[ \leftarrow \rightarrow \leftarrow \rightarrow ]$		zi 🎫 🎫 🍸	🖼   💽 🖬 💿	— A	۱ ،
Filter										ņ
System (IBM i):	Mcei5l1.itc.ibm.co	m	-	Component:	Job Watcher (JW)	-	Reset	Search	Cr	eate
Libraries:	DEMO2		•		□ Freeze		🗹 Old data	New results	Ve	rify
										1
Collection name:	*ALL	Desc *ALL		Owner:	*ALL	LPAR	*ALL			
🔁 Filter 📗 Tables 🖪	🤊 IFS 🎤 Objects 🕴	🔍 Active jobs 🏼 🕫 Find	IJ							
IBM i Connections	1 iDoctor Up	date History 🔼								-

Main Window message bar showing a welcome message

Message Bars also provides a place to show status of currently running operations. If the bar has a yellow background, then the GUI is busy running something.



#### A light grey background is just an informational message.

ADVANCED - iDoctor C01770 [C:\PROGRAM FILES (X86)\IBM\IDOCTOR\IDOCTOR.EXE 2025-03-19-05.58.02] CA 110-28 - [3 Idoc730: Collection Service
Precreated Data Viewer connections successfully for system Idoc730
File Edit View IBM i Window Help

A dark-grey background with bold text indicates an error has occurred. In some cases, the control with the error may be highlighted as in this example:

)	Add IBM i Connection		X
	You must provide a system name for the new connection.		
	Provide below the system name or IP address.	ОК	
		Cancel	
	System:		
	Alias (optional):		

Image: Solution of the solution	IBM i Connections	te History	2 Id	loc730: Job Wa	tcher	3 Idoc730:	Collec	tion Servi.,	4 Idoc730:	Job	
Image: Solution of the system of the syst	Job Watcher		Collection		Summarized?	Status	Ending reason	DB VRM	Day	Start time	
Image: Open   Image: Open </td <td><ul> <li>Demo2</li> <li>Filegen</li> <li>Fitexample</li> <li>Fitex2</li> <li>Homodk2</li> <li>Homodk2</li></ul></td> <td></td> <td>3 SQL table Job Sumn Q0201401</td> <td>s hary 50</td> <td>Yes</td> <td>Ready</td> <td>Time limit</td> <td>7.3</td> <td>Monday</td> <td>2025-01-20-1</td> <td>14.01</td>	<ul> <li>Demo2</li> <li>Filegen</li> <li>Fitexample</li> <li>Fitex2</li> <li>Homodk2</li> <li>Homodk2</li></ul>		3 SQL table Job Sumn Q0201401	s hary 50	Yes	Ready	Time limit	7.3	Monday	2025-01-20-1	14.01
IBM i Exp       Download         Copy       Copy         Save       Transfer to an IBM i         ✓       Clear         Clear Server Cache       ✓         Delete       ✓	Qidrdata Qjwda JW Ts059 JW Ts136 JW Ts678 JW Ts99a Op Definition Data rep SQL table Stal	/, Idoc730 DEMO2 /, Idoc730 DEMO2 /, Ctcdb74w BACH <b>5en</b> Id Collections lect Fields art Collection	2 - Properties 2 ONPERF								
Clear Clear Server Cache	Bright Horner FTP Defin Bright HBM i Exp Cop Sav Tra	ownload oload opy ve ansfer to an IBM i.									
	Cle	ear ear Server Cache elete									

An example of asking a question is shown below if the user tries to Clear a library in Job Watcher:

ADVANCED	- iDocto	or C0177	0 [C:\l	PROGF	RAM FIL	ES (X8	36)\IB	M\IE	рост	ror\i	росто	OR.EXE	2025-0	03-19-	05.58.0	2] CA	110-2	8 - [4	4 Id
Yes No	Are y	ou sure	you wi	ish to	clear ti	ne sele	ected	l libı	rary?	2									
File Edi	it View	IBM i	Wind	low H	lelp														
	2 💌	SQL 📃	SốL 🛛	8 🖬	۶		$\diamond$	×		<b>B</b>	9 <del>;</del> e	<u>.</u>	23 🗆	27	+ -	•	$\rightarrow$		
Filter																			
Sys	tem (IBN	vi): Id	oc730								•	Con	nponen	t: Jol	b Watc	her (J	W)		•

If the user does not click Yes, then the library will NOT be cleared. Doing anything else in the GUI will cancel the action.

### 2 The Main Window

The Main Window displays the various component views as well as some additional views such as the <u>IBM i Connections View</u>. Each of these views within the Main Window will be discussed in greater detail in the next sections.

The heart of the app is the interface shown below. All components are displayed within this GUI each within a separate "tree/list" view called Component Views.

Panes will optionally appear above these views and provide additional filtering or find type support to make locating something easier.

	-
ADVANCED - iDoctor C01770 [C:\PROGRAM FILES (X86)\IBM\IDOCTOR\IDOCTOR.EXE 2025-03-19-05.58.02] CA 110-28 - [2 Idoc730: Job Watcher] -	>
SQL completed in 594 ms	
File Edit View IBM i Window Help	
Filter	
System (IBM i): Idoc730  Component: Job Watcher (JW) Reset Search Create Report Libraries: *ALL Collection name: *ALL Desc contains: *ALL Owner: *ALL LPAR *ALL Filter Tables * IFS * Objects * Active jobs * Find IBM i Connections 1 iDoctor Update History 2 Idoc730: Job Watcher 2 3 Idoc730: Collection Services In 4 Idoc730: Job Watcher Function Function Function Function Expeription Function Expeription Function Expeription Function Functi	
<ul> <li>Data repository</li> <li>Data repository</li> <li>SQL tables</li> <li>SQL tables</li> <li>Monitors</li> <li>FTP Definitions</li> <li>FTP Definitions</li> <li>IBM i Explorer</li> <li>Work with system metrics, tables, graphs, IFS, libraries, objects, jobs, disks, SQL functions and more.</li> </ul>	
Main Window Example	

#### 2.1 Toolbar

This section covers the toolbar buttons shown in the Main Window.

The icon shown on the toolbar will match the same menu option in the Main Window menu (if one exists) **Note:** Some options are only enabled depending on the current tab's status (with focus or last clicked on).

<b>.</b>	Add Connection
1000	Opens the Add Connection window within the IBM i Connections View.
	IBM i Connections
	Shows or hides the IBM i Connections View.
	Open Knowledge Base
4	This opens the Knowledge Base component on whatever system in the list of IBM I connections
	defined as the default system (with a checkmark icon next to it )
	Remote Command Status View
) 💌	Shows or hides the Remote Command Status View. This view will show the status of Cl
	commands and program calls running on behalf of the GLII's requests. File transfers are also
	commands and program cans running on benan of the ODFS requests. The transfers are also
	Bomoto SOL Statement Status Visur
SUL	Shown or hides the Remete SOL Statement Status View. This view will show the status of SOL
	Shows of hides the <u>Remote SQL Statement Status view</u> . This view will show the status of SQL
_	Statements running on benait of the iboctor Gor's requests.
	Shows or hide the <u>IDoctor Message View</u> . This provides debug information and is used primarily if
	problems occur and you need to provide more details back to iDoctor support.
- Au	New SQL Editor
a nir	Opens a new instance of an <u>SQL Editor</u> View.
	Export
	This allows you to save the contents of a table view to a file or a graph to as an image.
	Additional preferences related to this can be set under the File -> Copy/Export Options menu.
<b>1</b>	Save to Knowledge Base
	This saves the current information shown on screen to the Knowledge Base.
2	Properties
	Displays the property pages for the selected object (library, collection, etc)
	Add Bookmark (CTRL+D)
	Defines a bookmark and copies it to the clipboard. Press CTRL+D with a menu open to define one
	for a specific menu item. Use a web browser to revisit a bookmark later, or the Bookmarks pane
	Copy (Ctrl+C)
-12	Copy the selection and put it on the clipboard using HTML/TXT formats
	Copy Window
$\langle \rangle$	Copy the current interface and put it on the clipboard using HTML/TXT formats.
$\sim$	Delete
$\sim$	Deletes the selected objects (connections, libraries, collections, etc)
	Select Fields
unau	Modify the visible fields in the list for the active list view.
	Preferences
	Displays the iDoctor Preferences interface
(D)	Set default time grouping
63	Toggles the <b>default time grouping</b> shown on graphs. The iDoctor default value for this is
	Collected interval size. This setting is changeable in the Data Viewer after the graph is opened
	using the clock icon there. The larger the interval size the smaller number of here produced in the
	aranh and the more time that can be shown on a single granh hade
	graph and the more time that can be shown on a single graph page.
	This applies to all components that show data over time
	<b>Note:</b> If the data was collected at an interval size greater than the current default time range
	interval size specified (such as 15-minute intervals in Collection Services) the data will be shown at
	the collected interval size since it cannot be broken down further
÷P	This opens the Find Pane to look for something in the currently active view
	Generate Penerte
<b>.</b>	This opens the Constant Penetts interface for the surrently selected performance collection
	This opens the <u>Generate Reports</u> intenace for the currently selected performance collection.
	This is used to build soveral graph/reports from the data at once and equing lists of reports into a
	It his is used to build several graph/reports from the data at once and saving lists of reports into a
	reusable collection of lavorites to be used repeatedly. Reports are saved to ChiDoctor/reports by

	default. These information will also be sent to the IFS by default but requires a working FTP connection.
	Full Screen (F11)
N N N N	This toggles the Full Screen function. If not currently Full screen then the window is maximized and the panes are auto hidden Clicking the button again will restore the previous state.
	Merge Groups (F12) For grouped MDI mode only, this will move all views into a single group (row) of tabs.
	If only 1 group exists, the option will be disabled.
<b>د</b> ۲	Maximize Table (F9) Maximize the list within the current interface hiding all other controls. If viewing a graph this will
	show the table behind and hides the graph.
+	Show previous tab (CTRL+SHIFT+TAB) Go to the previous tab in the group.
$\rightarrow$	Show next tab (CTRL+TAB)
	Go to the next tab in the group.
	Move to previous group (CTRL+SHIFT+P)
-	In grouped MDI mode, this option moves the current tab to the previous tab group. Only applies if more than 1 tab group exists
$\rightarrow$	INDUCE TO THEXT GLOUP (CIRL+ONIFI+N)
	In grouped MDI mode, this option moves the current tab to the next tab group. Only applies if more than 1 tab group exists.
	New vertical tab group (CTRL+SHIFT+V)
	In grouped MDI mode, moves the current tab to a new vertical group. Only available if only 1 tab
	group, of all tab groups are vehical.
	New nonzontal tab group (CTRL+SHIFT+D)
	In grouped MDI mode, moves the current tab to a new horizontal group. Only available if only 1 tab
	group, or all tab groups are horizontal.
ेल्ल	MDI Style Grouped
	This mode allows you to move a view into a new group to make comparisons.
=	Tile Horizontally Arrange windows as horizontal, non-overlapping tiles. Use Max Tabs to Tile to indicate how many
	to use. To control which tabs are tiled and their order, use the Window Manager instead. If in Grouped MDI, using this will automatically switch to Standard MDI mode.
	Tile Vertically
	Arrange windows as vertical, non-overlapping tiles. Use Max Tabs to Tile to indicate how many to
	use. To control which tabs are tiled and their order use the Window Manager instead
	If in Grouped MDI, using this will automatically switch to Standard MDI mode.
	Max Tabs To Tile
	This configures the maximum number of windows to tile when using the Tile Horizontally. Tile
	Vertically buttons.
- Fair	Window Manager
1.1	This button will display the Window Manager which lets you work with a list of all tabs/views that
	are opened. This lets you find and activate the desired view/window or close one or more views
	auickly.
	Refresh (F5)
	This will refresh the selected folder or view.
	When working with Component Views, this refreshes the selected list view or selected branch in a
	tree.
	Note: This is not the same as refreshing everything on the screen. In some cases, you may need
	to click on the folder above the current one to refresh the desired objects.
↔	Resize Column Widths (F8)
	Resizes all column widths to match the longest text in either the contents or header.
0	
	Cancel the execution of an SQL statement. In some cases, this may take a while to complete.
	Fetching of data cannot be cancelled and this only applies to the execution of the SQL. Sometimes

	fetches can be slow.
	Decrease font size (Ctrl+-)
	This option reduces the font size by 1 and redraws all open interfaces.
Δ	Set Font
-	Displays the Set Font window which allows you to control the font used in iDoctor.
+	Increase font size (CTRL++)
•	This option increases the font size by 1 and redraws all open interfaces.
<b>2</b>	Data Viewer (Ctrl+N)
	Opens an empty Data Viewer for the system you are currently working with.
Π	Enable/disable Situations
	This enables or disables the Situational Analysis background colors across all graphs/components
	that support it. This can be turned off per graph using the Graph Legend.
	About
~	This option displays the properties for iDoctor. This button performs the same action as the Help ->
	About menu.

## 2.2 Menu Options

<u>F</u>ile <u>E</u>dit <u>V</u>iew <u>I</u>BM i <u>W</u>indow <u>H</u>elp

The tables below outline the different types of menu operations that may be performed within the Main Window of the iDoctor GUI.

#### 2.2.1 File

<b>a</b>	Add Connection
	Opens the Add Connection window within the IBM i Connections View.
6	New SQL Editor
	Opens a new instance of an <u>SQL Editor</u> View.
	Open Knowledge Base
	This opens the Knowledge Base component on whatever system in the list of IBM I connections
	defined as the default system (with a checkmark icon next to it.)
H	Save to Knowledge Base
	This saves the current information on screen to the Knowledge Base.

- <del>2</del>	Open Data Viewer (Ctrl+N)	
-	Opens an empty Data Viewer for	the system you are currently working with.
	Open Table	
	This option shows the Tables Par	ne which can be used to open tables on an IBM i.
B	Export	
	This option allows you to save the contents of the table are saved. Y separated text formats.	execution contents of a list view to a file. When using this option, the entire You can choose between HTML, comma separated, and tab
	Export Selection	
	The option allows you to save the using this option only the selected	e <b>selected</b> contents within a list shown in the GUI to a file. When d records or block of cells are written to the file.
	Copy/Export Options	
	This menu contains shortcuts to r	nodify preferences relating to Copy to Clipboard and Export
	functions. Additional options can	be found in the Preferences interface.
	✓ Export all data	
	✓ Copy visible columns only	
	<ul> <li>Copy all rows</li> </ul>	
	Copy tree	
1		

	Close
	This will close the active view within the Main Window.
	Set User-Defined Reports Database
	This option allows a user to load/use another user's iDoctor user-defined reports/graphs that they
	have previously created. When saving user-defined reports these are saved into the specified
	database. This can either be an IBM i library or a local database on the PC (MDB file).
4	Clear GUI Cache
	This option deletes most temporary data loaded in the GUI's memory. This includes things like
	table data cache, column orderings, reports and graph definitions, stored procedure information
	and more.

Exit Closes the application. All open windows including Data Viewers will be closed.

#### 2.2.2 Edit

V	Cut (CTRL+X)
s	In text editors that support this, removes the selected text and copies it to the clipboard
	Copy Selection (CTRL+C)
_	Copies the current selection from the active view to the clipboard. This is only enabled when the
	active view is a list view or text in a textbox.
$\langle \rangle$	Copy Window
	This copies the current window with focus to the clipboard in HTML and TXT (Tab-separated)
	formats. This can be pasted into some tools like Microsoft Outlook.
	Copy Screen
	This captures a screenshot of the current window and copies it to the clipboard.
	Add Bookmark (CTRL+D)
	Defines a Bookmark and copies it to the clipboard. Press CTRL+D with a menu open to define one
	for a specific menu item
Ê	Paste (CTRL+V)
	In text editors that support this, inserts the text on the clipboard at the current cursor position.
$\times$	Delete
•	Removes the selected object(s).

#### Mouse-wheel scroll speed

This lets you either open the Windows mouse settings, or you can override the horizontal or vertical scroll speed within just iDoctor by 1x, 2x, 3x, 4x, 5x or 10x.

**Note:** The scroll speed overrides are disabled if you have selected to scroll "one screen at a time" in the Windows Mouse settings.

	Select all visible (CTRL+SHIFT+A)
	Select all visible bars or rows for the current view.
*	Select all (CTRL+A)
	Select all bars or rows for the current view.

-0	Find (CTRL+F)
~	This option displays the Find Pane which can be used to find something in the data or on screen.
	Find Next (F3)
	This positions to the next occurrence when using the Find Pane.
	Find Previous (SHIFT+F3)
	This positions to the previous occurrence when using the Find Pane.
	Replace (CTRL+H)
	This can be used to replace 1 or more occurrences of something in the current SQL editor with
	something else.

ſ	0	Cancel SQL
ľ	-	Cancel the execution of an SQL statement. In some cases, this may take a while to complete.
		Fetching of data cannot be cancelled and this only applies to the execution of the SQL. Sometimes
		fetches can be slow.

	•	Set Font
	-	Modifies the font used by the GUI.
ĺ		Reset Preferences
		This will delete all preferences from the Windows registry which will result in the default settings being used. Restart the GUI after using this for best results.
ľ		Preferences
		This interface allows you to customize behaviors in iDoctor.
		Column Search
		This allows a user to search all of the iDoctor graph/report databases (.mdb files) at once for a
		specific column name in any of the reports.
		Migrate user-defined reports DB
		This is available to assist any long-time user migrate their user-defined iDoctor reports to the latest
		format. This only works if the file was created after November 2012.
		Restore Select Fields
		This resets all changes made in the Select Fields interface to the default settings.

Increase Windows GDI limit
This allows a user to open more graphs (6X) than by default. This is highly recommended.
As a work-around you can also try opening multiple instances of iDoctor.
Not doing this, could result in crashing or cause the GUI to behave incorrectly.
Restore Windows GDI limit
This option resets the Windows GDI limit to the Windows default of 10,000.

### 2.2.3 View

52	Full Screen (F11)
КЛ	This toggles the Full Screen function. If not currently Full screen then the window is maximized and
	the panes are auto hidden. Clicking the button again will restore the previous state.
	Merge Groups (F12)
-	For grouped MDI mode only, this will move all views into a single group (row) of tabs.
	If only 1 group exists, the option will be disabled.
7	Maximize Table (F9)
K1	Maximize the list within the current interface hiding all other controls. If viewing a graph this will
	show the table behind and hides the graph.
at 1	Refresh (F5)
	This will refresh the selected folder or view.
	When working with Component Views, this refreshes the selected list view or selected branch in a
	tree.
	Note: This is not the same as refreshing everything on the screen. In some cases, you may need
	to click on the folder above the current one to refresh the desired objects.
↔	Resize Column Widths (F8)
	Resizes all column widths to match the longest text in either the contents or header.

MDI Tabbed Style
These options control the look and behaviors of the interface for most of the GUI.
Report Visibility
This controls the level of detail in the reports shown in 3 ways: Basic, Detailed, Advanced.
Tab/Report Titles
This allows customization of how tab or report titles appear. Does not apply to graph views.
Tab Previews
Use these settings to customize Tab Previews behavior.
Tables
This menu contains shortcut options to customize Preferences related to Table Views and Lists.
You can find these same options documented under Preferences.
<ul> <li>Thousands separators</li> </ul>
Cradients
Gradients
<ul> <li>Right-click header menu options</li> </ul>
Double-click shows call stack
Mary and unan suidth (0) of list
Max column width (% of list)

Graph Titles				
This allows customization of how grap	h ti	tles	appear and how	many lines they use.
Resize Controls				
These options allow customization of t	he	Pref	ferences related	to resizing windows appropriately for
the font size / and display currently be	ing	use	d.	
Record Quick View				
This shows the selected row(s) in a ve	ertic	al lis	sting.	
Icon Size				
This option controls whether large or s	sma	all ico	ons and toolbars	should be used, or to automatically
let the GUI decide which will look best				
Icon Size	•	~	Automatic	
Trees	►		Large	
Message Bar Detail	►		Small	

Trees	
This allows customization of Preferences rela	ated to trees in the GUI.
Message Bar Detail	
This controls whether extra debug messages	should appear in the Message Bar or not.
Message Bar Detail	✓ Default
Panes •	Verbose
Panes	
The Panes are the tabbed interfaces under the	ne Toolbar in the Main Window and provide various
usability functions. Selecting one from this li	st will load and show it.
<u>Toolbar</u>	
This will either show or hide the tool bar.	
Status Bar	
This will either show or hide the status bar.	

	Main Window Column Labels
	This indicates if the Column labels Preference should also apply to Component View column
	headings for folders built using SQL
	Names
	Descriptions
	Descriptions (Names)
	Names - Descriptions
	These are shortcuts for modifying the Preference -> Display -> Column labels setting. It controls
	how column headings should look for tables built from SQL statements.
8	Power Connections
_	This option no longer available
0	IBM i Connections
9	Shows or hides the IBM i Connections View.

Session History
This opens the Session History interface to view screenshots from previous iDoctor usage.
Bookmarks Manager
This interface is used to manage Bookmarks and control how they work.
Remote Command Status
Shows or hides the Remote Command Status View. This view will show the status of CL
commands and program calls running on behalf of the GUI's requests. File transfers are also
shown here.
Remote SQL Statement Status
Shows or hides the <u>Remote SQL Statement Status View</u> . This view will show the status of SQL
statements running on behalf of the iDoctor GUI's requests.

iDoctor Messages
Shows or hide the iDoctor Message View. This provides debug information and is used primarily if
problems occur and you need to provide more details back to iDoctor support.
Connection Status
Shows or hides the Connection Status View.
Properties
This displays the properties interface for the folder selected in the Component Views.

### 2.2.4 IBM i

Tables
Displays/hides the <u>Tables Pane</u> or use one of the options to preset the filters on the interface.
IFS
Displays/hides the IFS Pane.
Objects
Displays/hides the Objects Pane or use one of the options to preset the filters on the interface.
Active jobs
Displays/hides the <u>Active Jobs Pane</u> or use one of the options to preset the filters on the interface.

Output queues
Displays or hides the Output queues Pane.
Spool files
Displays/hides the <u>Spool files Pane</u> .
Object lock info
Displays/hides the Object lock info Pane or use one of the options to preset the filters on the
interface.
User profiles
Displays/hides the User profiles Pane.

Delete all Spool Files for current user
This option will prompt you and then if confirmed, remove all spool files for the currently signed on
user profile for the current system.

#### 2.2.5 Window

	Cascade
	Repositions all windows so they overlap each other a bit like cards in Solitaire. This will switch to
	Standard MDI mode if using Grouped MDI.
	Tile Horizontally
	Arrange windows as horizontal, non-overlapping tiles. Use Max Tabs to Tile to indicate how many
	to use. To control which tabs are tiled and their order, use the Window Manager instead.
	If in Grouped MDI, using this will automatically switch to Standard MDI mode.
	Tile Vertically
	Arrange windows as vertical, non-overlapping tiles. Use Max Tabs to Tile to indicate how many to
	use. To control which tabs are tiled and their order, use the Window Manager instead.
	If in Grouped MDI, using this will automatically switch to Standard MDI mode.
	Max Tabs To Tile
	This configures the maximum number of windows to tile when using the Tile Horizontally, Tile
	Vertically buttons.
Į,	Window Manager
	This button will display the Window Manager which lets you work with a list of all tabs/views that
	are opened. This lets you find and activate the desired view/window or close one or more views
	quickly.
	Close All
	This option will close all open tabs/views.

**Note:** The Window menu also dynamically contains a list of all open views within the Main Window for easy access to them. Clicking on a view name will take the user to it. Only the first 10 are shown. If you need to work with more than 10, use the Windows Manager option.

#### 2.2.6 Help

Update History
Shows the Update History window.
Update Summary
Opens the iDoctor Update Summary PDF document. This is a much-less verbose version of the
Update History.
FAQs
This open the iDoctor Frequently Asked Questions document.
iDoctor Videos
Launches your web browser and takes you to iDoctor videos on IBM MediaCenter.
IBM i Support Videos
Launches your web browser and takes you to the IBM i Systems Support MediaCenter page
Tips
Additional PDF documents covering different topics are accessible under this menu.
iDoctor website
Launches your web browser and takes you to the iDoctor website.
iDoctor downloads
Launches your web browser and takes you to the iDoctor download page.
iDoctor documentation
Launches your web browser and takes you to the documentation.
About iDoctor
This displays version information for the iDoctor client.

### 2.3 Update History

This view is displayed when iDoctor is started by default to show recent changes.

tory		
Include older updates	Copy latest 1 builds	
O Banthaham anain		
Don't show again	Show Find	
2025-03-19 C01770 - General -	- Bug Fix Request	_
Fixed Add Filter issues with rec	ent builds.	
2025-03-18 C01770 - General -	Bug Fix Request	
In recent builds, the graph lege	end did not show situations and is fixed.	
In recent builds, the graph lege	end did not show situations and is fixed.	
In recent builds, the graph lege 2025-03-18 C01770 - General - Redesigned the reconnect han	end did not show situations and is fixed. • Usability dling mechanism as follows:	
In recent builds, the graph lege 2025-03-18 C01770 - General - Redesigned the reconnect hand	end did not show situations and is fixed. · Usability dling mechanism as follows:	
In recent builds, the graph lege 2025-03-18 C01770 - General - Redesigned the reconnect hand 1. If a connection has been los	end did not show situations and is fixed. • Usability dling mechanism as follows: st for a system, then all connections will be first disconnected and flagged as connection lost in whatever view you	
In recent builds, the graph lege 2025-03-18 C01770 - General - Redesigned the reconnect hand 1. If a connection has been los are currently using. At this poi	end did not show situations and is fixed. • Usability dling mechanism as follows: st for a system, then all connections will be first disconnected and flagged as connection lost in whatever view you nt the QZRC* jobs will all be reconnected.	
In recent builds, the graph lege 2025-03-18 C01770 - General - Redesigned the reconnect hand 1. If a connection has been los are currently using. At this poi 2. Next refresh will invalidate t	end did not show situations and is fixed. • Usability dling mechanism as follows: st for a system, then all connections will be first disconnected and flagged as connection lost in whatever view you nt the QZRC* jobs will all be reconnected. the connection for any open views, sheets and Wizards in Main Window and Data Viewers. Note: This doesnt handle	
In recent builds, the graph lege 2025-03-18 C01770 - General - Redesigned the reconnect hand 1. If a connection has been los are currently using. At this poil 2. Next refresh will invalidate t modeless dialogs but those ar 2. Then the current investible	end did not show situations and is fixed. • Usability dling mechanism as follows: st for a system, then all connections will be first disconnected and flagged as connection lost in whatever view you nt the QZRC* jobs will all be reconnected. the connection for any open views, sheets and Wizards in Main Window and Data Viewers. Note: This doesnt handle e rarely used. the connection consisting (QTDA isb) spectablished and referenced. The other views QTDAt connections are not	

Click the 'Show Find' button to open the Find Pane if desired. Be sure to click within the multiline text box to tell the Find Pane to search that (instead of the rest of the interface)

### 2.4 IBM i Connections View

The IBM i Connections view allows you to work with all the connections defined to IBM i systems created via IBM i Access Client Solutions or iDoctor.

#### IBM iDoctor for IBM i

The list of connections shown is for the currently active "environment" and this environment name will match the tab's name if this is not IBM i Connections. Each environment can contain 1 or more systems. You can change the currently active environment by right-clicking on the list and choosing the Change Environment... menu.

My Nev	My New Environment 🗵 1 iDoctor Update History							•				
System	Alias	VRM	Default user mode	User	PEX Analyzer expires	Job Watcher expires	Description	ASP group	Relational database name	Transfer me	thod	
✓ Idoc730		7.3	Set specific user ID	MCCARGAR	Never	Never				WININET (	unsecure	5]
IBM i Conne	ctions:	: Work	with available IBM i d	connections.					No selecti	on	1 - 1	

IBM i Connections – where the Environment name is "My New Environment"

Double-click a system to connect to it. Right-click a system and use Edit to change the settings for a system.

**Note:** All changes to the connections are reflected in the System lists shown elsewhere in the GUI, including the Panes.

#### Fields:

The list contains several columns. **NOTE:** All values shown are based on the last checked values and may not reflect current values. Some of the less obvious fields in the list are described below:

#### System

System name or IP address. In some cases, you may need to fully qualify the name in order for it to be found.

Alias

This is a shorthand reference to the system name which will be used in graph descriptions and tab names.

#### Default user mode

This indicates how the username is determined when making connections.

The possible values are:

- 1) Use Windows ID
- 2) Set specific user ID (indicated by the User column)
- 3) Prompt every time

#### ASP group

The name of the IASP group to use when making the connection. This is a required field if you wish to work with libraries created on IASPs.

The value given should match the value supplied after running the command: WRKDEVD DEVD(\*ASP)

#### Relational database name

The name of the relational database to use when making the connection to the system. This is primarily used when connecting to a system with an IASP (in the ODBC connection for the QZDASOINIT job). The value may or may not be same as the ASP group value depending on how the system is configured. The relational database name is listed in the Database component of IBM i Navigator.

#### Transfer method

This indicates how files will be transferred to/from the system.

#### SSL

Indicates if the ACS setting to use SSL on the connection is set. It does not apply to the Transfer method SSL option.

#### IP Address

The last known IP address of the system. To update this right-click the list and use the Check -> IP Address popup menu.

#### Menu options:

Connect
Connects and opens the iDoctor Components window.for the selected system.
These options can be used to launch green screen sessions for the selected system using the 3 <sup>rd</sup>
party tool indicated.
 Enable SSH key-based authentication
The GUI will attempt to setup SSH key-based authentication on this LPAR. It won't always work.
See the FAQ section 2.13 for more information on what it does and additional resources for setting
this up.
Check
These options are used to perform various actions against the selected system(s) like checking PTF levels or FTP settings. Where possible, the results may be shown in the <u>Message Bar.</u>
- Expiration Dates
This will check the dates the access codes expire on all selected systems then update the <b>PEX</b>
Analyzer access expires and Job Watcher access expires columns in the list. The default
signon is used to access each selected system.
DTC-
- PIFS This checks the required DTE levels for all performance related components on the desired
system(s). The Performance Group PTE level will be checked as well as the required PTEs for Job
Watcher, PEX, Collection Services and Disk Watcher.
······································
- PTF Search
This option allows the user to type in a specific PTF name or a generic PTF name against a system
to check the status of a PTF. This uses the QSYS2/PTF_INFO view. <b>Tip:</b> Enter a value of * to see
a list of all PTFs. Only works against 1 system at a time.
This option will determine the build date of OMGTOOLS for each of the selected systems. You will
be prompted to signon for any system where this is necessary and the password is not cached
already in ACS.
- Cache battery status
This runs program QSMBTTCC to check cache battery status on the selected system(s).
- Transfer Methods
I his will test each type of possible transfer method (FIP/SSH) connection method for the selected
system and shows the results. <b>Note:</b> This may result in a command prompt asking for a password if SSH is not setup with password-less authentication
 סטרוים ווטי שנען אונו אמסשטוט-ובסם מעוופוווטמוטוו.

	Set default user mode
	Use this option to more quickly set the <b>default user mode</b> to a specific user id of your choice on all
	systems or only the selected systems.
	Set as default system
	This sets the desired LPAR to be the default one in Access Client Solutions. This system will be
	shown with a checkbox icon in this interface. This means this system is the Knowledge Base
	system used by the GUI.
<b>1</b>	Add Connection
1000	Opens the Add Connection window within the IBM i Connections View.
	Apply Keys
	This option is used to apply access codes to one or more LPARs using the email sent by the iDoctor
	Iteam

×	Delete
	Remove the selected connections
	Edit
	Opens the Add Connection window within the IBM i Connections View for the selected connection.
	Change Password
	Use this option to modify your password.
	Password Cache
	These options control whether iDoctor will use ACS's password cache and allow for it to be cleared
	or all systems or the selected system.

Open IBM Navigator for i
This opens the IBM Navigator for I in the default web browser for the current system.
Open Web Administration
This opens the Web Administration interface in the default web browser for the current system.
Open Digital Certificate Manager
This opens the Digital Certificate Manager web page for the current system.
Download Certificates
This launches the cwbcossI ACS tool for downloading certificates from the current system to the PC.

	Export Connections
	Use this option to create a Windows registry file that contains a list of all your IBM I connections.
	This file can be used to restore your connections later, or move them to another PC.
	Export GUI Preferences
	This creates a Windows registry file that contains all iDoctor preferences (except for your
	connections).
	Uninstall iDoctor
	This option removes all iDoctor program libraries and related objects on the system. After running
	this option, you can view the results (job log) from the Remote Command Status View.
	If you wish to run this process outside of the GUI then execute the following commands:
	CRTDUPOBJ OBJ(QIDRUNINST) FROMLIB(QIDRGUI) OBJTYPE(*PGM) TOLIB(QTEMP)
	CALL PGM(QTEMP/QIDRUNINST)
	Note: No conference data accessed by Destantic deleted with a setter. If this is desired, delete
	<b>Note:</b> No performance data created by IDoctor is deleted using this option. If this is desired, delete
	ine desired performance data from the system first before uninstalling iDoctor.
	Also, it is normal for some objects to be missing and show errors during the uninstall process. If you
	encounter objects created by iDoctor but not removed, you can report this to idoctor@us ibm.com so
	we can undate this program appropriately.
-	Change Environment
	A connection environment is a set of 1 or more connections which can be defined in both iDoctor
	and ACS. By changing your connection environments the IBM i Connections view will undate to
	show the connections within that environment
	You can also define new connection environments or delete one within this interface.

#### 2.4.1 Add/Edit IBM i Connection

This window allows a user to add or edit a connection.

Provide the system name or IP address, the default user mode and user ID if applicable, an optional description and click OK to register the system on your PC and add it to the list of IBM i Connections.

An example of this interface is:

IBM iDoctor for IBM i

Add IBM i Connection		×
Provide below the system name or IP ad	ldress.	ОК
		Cancel
<b>%</b> System:	MYSYSTEM	
Alias (optional):		
Default user mode:	Set specific user ID	USER1
Description:		
Port lookup mode:	Default	
ASP group:		
Relational DB name:		
File transfer method:	WININET (unsecure)	Port: Default 💌
Use SSL for IBM i Access connections		

	System System name or IP address. In some cases, you may need to fully qualify the name for it to be found.
	Alias This is a shorthand reference to the system name which will be used in graph descriptions and tab names.
•	<ul> <li>Default user mode</li> <li>This indicates how the username is determined when making connections.</li> <li>The possible values are: <ol> <li>Use Windows ID</li> <li>Set specific user ID (indicated by the User column)</li> </ol> </li> <li>Prompt every time</li> </ul>

	Description
A*	Optional text to associate with this system.
	Port lookup mode
-	This determines how the host server port lookup will be done. See the
	cwbCO_SetPortLookupMode API documentation for more information.
	ASP group
<b>A</b> *	The name of the IASP group to use when making the connection. This is a required field if you
	wish to work with libraries created on IASPs.
	The value given should match the value supplied after running the command:
	WRKDEVD DEVD(*ASP)

	<b>Relational DB name</b> The name of the relational database to use when making the connection to the system. This is primarily used when connecting to a system with an IASP (in the ODBC connection for the QZDASOINIT job). The value may or may not be same as the ASP group value depending on how the system is configured. The relational database name is listed in the Database component of IBM i Navigator.
•	<b>File transfer method</b> This option lets you pick which method is preferred when connecting to this system for the purpose of sending or receiving files. The choices are:
	<ul> <li>WININET - This is an unsecure FTP connection, but the fastest option.</li> <li>SSL (passive) - This is recommended if needing a secure connection. Use the SSL protocol TIs12 value in most cases.</li> <li>SSL (active) - This option has not been well tested.</li> <li>SSH (using Windows SSH support) - This option has not been well tested.</li> <li>DISABLED (If you want to be sure no FTP connections are attempted but certain functions will fail however with this set.)</li> </ul>
	The Port value defaults to 0 but this just means the default port for the type of connection will be used. For example, the default port for WININET is 21, SSL (passive) is 990, etc.
	Use SSL for IBM i Access connections Indicates if the ACS setting to use SSL on the connection is set. It does not apply to the Transfer method SSL option.
	<b>Note:</b> If you need help with configuring this properly you will need to work with ACS support and not iDoctor support.

#### 2.4.2 Change Environment

This interface is used to modify the environment used in the IBM I Connections View.

An environment is just a list of connections previously defined by either ACS or iDoctor. Click the Create button to define a new environment.

Change Connection Environment		$\times$
Select a connection environment or create a new one.		ОК
IBM i Connection Environments:	Create	Cancel Delete
Environment		
My Connections My New Environment		
# 2.5 iDoctor IBM i Components Window

The components window provides the status of the iDoctor components installed on the system selected from the IBM i Connections View.

Component	Puild	Evpiror	Status			
component	Date	Expires	Status			
Job Watcher	01/21/25	Never	Available			
Collection Services Investigator	01/21/25	Never	Available			
R Plan Cache Analyzer	01/21/25	Never	Available			
Disk Watcher	01/21/25	Never	Available			
nter PEX Analyzer	01/21/25	Never	Available			
💇 IBM i Explorer	01/21/25		Available			
JVM Analysis	01/21/25	Never	Available			
Temp Storage Analyzer	01/21/25	Never	Available			
2 Nmon	01/21/25	Never	Available			
😿 Knowledge Base	01/21/25	Never	Available			
Memory Watcher - DMPMEMINF GUI	01/21/25		Available			
Close window after clicking Launch						Launch
Close window after clicking Launch To authorize, enter the access code below:			System serial:	787F820		Launcl
Close window after clicking Launch To authorize, enter the access code below:			System serial:	787F820	]	Launch

This window allows a user to launch a component, change the user signed on to the system or apply an access code. After applying an access code, the component list will refresh to indicate any changes in status (i.e. Not Authorized -> Available)

**Note on applying accessing codes:** The serial number listed here is for your convenience and verification. If the system serial number has changed, use the "Refresh" button to update the value shown. This button will also refresh the processor group value shown from its last retrieved value.

OK	Change User
OR	This button will disconnect the current user from this system and log on as a different user.
	The currently logged on user is listed to the left of this button in label.
	Component list
	The list of iDoctor components found on the current system. Some components like Collection
	Services Investigator may not appear without a required Job Watcher access code.
	Access code
	The access code can be entered into this box and then press the Apply button to have it take effect.
	Do not copy the serial number into this box. You should immediately see the status and expiration
	date change for the component(s) the access code applies to.
	Note: The Access code will only be correct and work if the system serial number supplied to IBM is
	correct and the appropriate release of iDoctor on the server is installed and it must match the OS
	(IBM i) release.
	System serial
Ľ.,	This value is the result given by the DSPSYSVAL QSRLNBR command. On IBM i cloud systems
	this is the virtual serial number (VSN). In that case, 2 serial numbers are listed. The 1 <sup>st</sup> is the
	physical serial number and the second is the (VSN).
	Processor group
<b>•</b>	This indicates the size of the system. You can determine this using the WRKLICINF command.
OK	Launch
UK	Opens the selected component(s)
OK	Refresh
OK	Checks and updates the system serial number if it has changed.

# 2.6 Panes

This section describes the Panes found in the Main Window. In some cases, these also exist in the Data Viewer.

**Tip:** Use <u>Preferences -> Display – Advanced</u> to control which Panes appear at startup.

The following Panes are always created when the GUI starts in the Main Window and cannot be disabled. **Filter, Tables, and Find**. By default, **Objects** and **IFS** Panes are also created.

**Tip:** Panes have an Auto-hide pin feature in the top right-corner. Click it will active it and again will disable it.

Panes can be moved outside of the iDoctor Main Window by double-clicking the caption bar, or click and drag.

ADVANCED - iDoctor C01770 [C:\PROGRAM FILES (X86)\IBM\IDOCTO	R\/DOCTOR.EXE 2025-03-19-05.58.02] CA 110-28 - [1 iDoctor Update History] - 🗆 🗙
Welcome to iDoctor! Messages are shown here. Use View -> Sessi	on History to see previous usage.
File Edit View IBM i Window Help	
🚝   🗿 🗹 🎫 SOL 🚍   🍕 🕒 🕎 🏸   🗍 📭 🔿 🗡 🗷 🖥	1 (9) 🕫 🖾 🗆 🔄 🔶 🔶 🔶 → ← →   📾 🔤 🖽 🖽 🗃 🗃 🖬 🖬 🖓   🐼 🛏 ⊘   — А 🕂   🗠
IBM i Connections 1 iDoctor Update History	-
History	Filter
OK OLD Include older updates Copy latest Don't show again Show Find 2025-03-19 C01770 - General - Bug Fix Request Fixed Add Filter issues with recent builds.	System (IBM i): Idoc730 Component: Job Watcher (JW) Reset Search Libraries: Collection name: "ALL Desc "ALL Owner: "ALL LPAR "ALL
2025-03-18 C01770 - General - Bug Fix Request In recent builds, the graph legend did not show situations and	E Filter Tables 🦻 Find

## 2.6.1 Filter Pane

This interface is used throughout iDoctor to filter the data shown in the various components. It is always created when the GUI starts. The most common use is to filter libraries in Job Watcher or Collection Services Investigator. However, each component typically will have its own type of filter and the options that appear on this screen varies based on the component selected.

Filter						
System (IBM i):	Ctcdb74w	▼ Cc	omponent: Job Watch	er (JW)	Reset	Search Create Report
Libraries:	*ALL	• ••	🗌 Freeze		Old data 🛛 N	New results 🗌 Verify procs
Collection name:	Desc contains: *A	ш	Owner: *ALL	LPAR	*ALL	
🖻 Filter 📗 Tables 🔛	Graphs 🖉 IFS 🏓 Objects 🗔 Active	jobs 🦻 Find 🖄 Outpu	ut queues 🗍 Spool fi	les 🔒 Object lock info	🗳 User profiles	

Tip: All values will accept blank as an alternative to using \*ALL or use the Reset button to clear all filters.

This describes the interface if using a component that shows data within Libraries (like Job Watcher). Some components do not support all options.

•	<b>System (IBM i)</b> This is the system you are currently working with. You can change this value to another, but then a new results view will need to be used when pressing Search.
	<b>Tip:</b> Clicking on another view will automatically change the system to match the system you clicked
	on. You can also do this when clicking system names in the IBM I Connections View.
×	<b>Component</b> The iDoctor component name is listed here with the component ID after each. Changing this will modify the controls shown on this screen appropriate for the component you are working with in order to perform filtering.
OK	Reset
UN	This restores all parameters back to the defaults and performs a search.
ок	Search This performs a search and updates the results. Pressing the enter key will do this too.
ОК	Create Report This option builds a table view showing the results generated from doing the search.

use multiple
king other views.
s or older). This
ing one (if
g new GUI builds
orove

	Collection name
AV	If used, then only libraries that contain a collection with the given name filter is included. The
	Collections Database must be refreshed.
	Desc contains
A	This shows libraries with a library description containing the character string provided.
	Owner
AV	This shows libraries containing collections owned by the specified user profile. This can be blank
	(or *ALL), a single name, or a single generic name.
	LPAR
	This shows libraries on the system with data created on the specified partition. This can be blank
	(or *ALL), a single name, or a single generic name.

This most common use in this interface is to provide a generic library name which filters the list of libraries shown in a component like Job Watcher.

riitei		
System (IBM i):	Idoc730 Component: Job Watcher (JW) Reset Search Create R	eport
Libraries:	D*	
Collection name:	*ALL Desc contains: *ALL Owner: *ALL LPAR *ALL	
■ Filter Tables d <sup>*</sup> I IBM i Connections	S	
Job Watcher	Library Name $\bigwedge$ Status Description Start time End time LPAR VRM O	wner
Definitions     Definitions     Definitions     SQL tables: D*     Monitors     FTP Definitions     IMN i Explorer	Demo2 Old JW education slides - DO NOT DELETE2 2019-04-25-09,42.50.102000 2019-04-25-10.06.23.223000 SYSTNAME 730 N	ACCARGAR

### 2.6.1.1 [...] - Browse Libraries

This window shows all libraries matching the libraries filter provided on the pane. This may include libraries that do not have any data for the component you are working with.

Browse Libraries			
Library name fi	iter: D*		Refresh
Libraries matching th	e filter. Select up to 25 libraries to use them	as the new filter.	
Library (SCHEMA_NAME)	Description (SCHEMA_TEXT)		
DEMOSANI DEMO1 DEMO1410 DEMO1432 DEMO1442 DEMO2 DEMO3 DEMO4 DUIE	JW education slides - DO NOT DELETE2		
Descript	ion:	Update OK	Cancel

	Library name filter
<b>A</b> *	This is the Libraries filter provided from the Filter Pane or you can change it here.
OK	Refresh
Children of the	Updates the list of libraries to match the filter.
	Libraries matching the filter.
	You can select a library to modify its description using the text box at the bottom and Update
	button. Or select up to 25 libraries and press OK to display those libraries in the GUI ( <b>if they also</b>
	contain performance data for the component you are using).
	Description
A*	This text box allows the library description to be modified.
OK	Update
OR	Use this to update a library description for the one selected in the list.

## 2.6.2 Tables Pane

This pane allows you to browse the IBM i physical files, logical files and/or SQL tables that exist on the system. It is always created when the GUI starts.

**Tip:** When using the <u>Tables</u> folder under IBM i Explorer, this pane appears automatically.

Tables									
	System (IBM i)	ldoc730		•			Reset	Search	Create Report
	Library name	MCCARGAR	Table n	ame N	JM*		New results		
	Include	SQL tables	Physical files	🗹 L	Logical files	Aliases	□ Views		

A user may specify the system, library, and generic table name to search. The type of objects returned may also be specified (SQL tables, physical files, logical files, aliases, or views.)

After specifying the system name and the desired filters, clicking search will display the results in the <u>Tables</u> folder.

	System (IBM i)
-	This is the system you are currently working with. You can change this value to another, but then a
	new results view will need to be used when pressing Search.
OK	Reset
OR	This restores all parameters back to the defaults and performs a search.
	The default is QAIDR* tables in QUSRSYS.
OK	Search
OR	This performs a search and updates the results. Pressing the enter key will do this too.
OK	Create Report
OR	This option builds a table view showing the results generated from doing the search.

-	
	Library name
	specific name or generic library name
	Table name
	This is a specific name, generic name or *ALL/blank for the table name.
	New results
	If checked, this will create a new results view rather than reusing the current existing one (if
	applicable.)
<b>~</b>	SQL tables
	Check if you wish to include these.
$\sim$	Physical files
	Check if you wish to include these.
$\sim$	Logical files
	Check if you wish to include these.
	Aliases
	Check if you wish to include these.
	Views
	Check if you wish to include these.

An example of using the Tables pane is:



### 2.6.3 Graphs Pane

This pane allows you to browse or search the iDoctor report databases for graphs or reports of interest. This provides information such as the folder in which the graph or report is located, the VRMs of IBM i where the report will exist as well as any required files or PTFs needed for the report to appear.

Tip: When using the Graphs folder under IBM i Explorer, this pane appears automatically.

This Pane is NOT created by default. Use <u>Preferences -> Display – Advanced</u> to control which Panes appear at startup.

l Graphs						
System (IBM i)	Idoc730	•		SUM 🔽		Reset Search
Report name contains	CPU	Include	🗹 Graphs 🛛 🗹 Tables	WL 🔽	CSI VPEX	□ New results
SQL contains			Hidden ONLY	🗹 DW	PC	SQRYVER
🖻 Filter 📗 Tables 📱	🛿 Graphs 🖉 IFS 🏓 Objects 🔍	Active jobs 🖓	Find Dutput queues	D Spool	files 🔒 Object lock in	fo 🗳 User profiles

A user may specify the report name filter, the VRM or specify something to look for in an SQL statement like a filename. You can also specify options such as which components to search.

1	System (IBM i)
-	This is the system you are currently working with. You can change this value to another, but then a
	new results view will need to be used when pressing Search.
	Results will be shown based on the VRM of this system unless the All VRMs checkbox is checked.
	Category / SUM
_	Within the iDoctor .mdb databases is a SQRYCAT field containing a 3-character identifier for the
	location within iDoctor that the graph or report appears in.
	To search just the reports directly under a collection, leave the SUM checkbox checked. To search
	all reports even drill downs, then uncheck SUM and leave the category text box blank.
	Otherwise, one of these values can be entered into the category field.
	- SUM - Graphs and tables under the collection.
	- CPS – Collection Services Investigator - Graph History graphs
	<ul> <li>DDG – Collection Services Investigator – disk graphs over time</li> </ul>
	- EDG – Collection Services Investigator – external storage disk graphs over time
	- JB* – Job Summary (JW, CSI)
	- JSM – Job Summary (JW, CSI)
	- JFB – Collection search browse options (JW, PC, CSI)
	- JFD – Collection search results (JW, PC, CSI)
	- ODF – Job statistics selection over time (flattened)
	<ul> <li>ODG – Job statistics selection over time</li> </ul>
	- COL – These are either iDoctor collection properties SQL statements or used in Interval
	Details, or Interval Summary interfaces
	- DTL – Detail reports drill down tables
	- CS1 – Job Watcher call stack search
	- ASM – PEX Netsize related reports
	<ul> <li>DT* – PEX selection over time graphs and reports</li> </ul>
	- SRC - Collection search examples
	- XXX – PEX Taskswitch
	All VRMs
-	Check the box to include reports from every OS release.
224	Reset
OK	This restores all parameters back to the defaults and performs a search.
	Search
OK	This performs a search to show the graphs matching the criteria specified. Tip: You can avoid
	clicking this button by pressing the enter key with focus on any control on this screen.

Report name contains
This is a substring to use when searching for a report or graph name.
Graphs
Check this option to include graphs.
Tables
Check this option to include table reports
JW/CS
Check these options to indicate which components should be included in the search.
PEX
Check this to include PEX Analyzer reports.
New results
If checked, this will create a new results view rather than reusing the current existing one (if
applicable.)

	SQL contains
	Use this to only show reports whose SQL statement contains something specific (such as a
	filename.)
Solution	Hidden ONLY
	Some reports have been removed from IDoctor. This option lets you view their information if they
	still exist. If you want them restored, contact iDoctor support.
	DW/PC
	Check this to include Disk Watcher or Plan Cache Analyzer reports.
N	SQRYVER
	An internal ID to indicate which reports to include in the results. This is column <b>SQRYVER</b> .

### 2.6.3.1 Graphs Folder

An example of Graphs Folder is:

<sup>4</sup> Graphs															
System (IBM	i) Idoc730		•			SUM (		RMs		Reset	Search				
Report name contain	s CPU		Include	Graphs	Tables	WL 💟	CSI	PEX		□ New results					
SQL contain	s			Hidden ONLY		🗹 DW	PC			SQRYVER					
🖻 Filter 📘 Tables 🗔	Graphs 🖌 IFS 🏓	Objects 🔍	Active jobs 🦃 Find	Output queues	ြာ Spool files	🔒 Object lock info	<b>I</b> ∰Us	ser profiles							
IBM i Connections	1 iDoctor Updat	e History 🎽	2 Idoc730: IBM i Ex	cplorer 🗵											
Idoc730	Location	Hidden Fold	der layout		Report name	e	C	omments	Files	Analyses	Category	Sub-category	Graph ID	Graph Min VRM	Graph Max VRM
Image: Control of the second secon	JW Collection     JW Collection     JW Collection     JW Collection     Waits     JW Collection     JW Collection     JW Collection     JW Collection     JW Collection	Wa Wa Wa Wa Wa Wa Wa Wa Wa Wa	aits aits aits aits aits aits -> CPU queueing aits -> CPU queueing aits -> CPU queueing	breakdown ranking breakdown ranking breakdown ranking	Virtual CPU Dispatched Virtual CPU Dispatched CPU queuei Average CP s CPU queuei s CPU queuei	thread wait ready ar CPU wait thread wait ready ar CPU wait ng breakdown U times ng breakdown by jol ng breakdown by jol ng breakdown by jol	re	Has workload capping	<u> </u>	Collection summary NOT ran Collection summary NOT ran Collection summary Collection summary Collection summary Collection summary	SUM SUM SUM SUM SUM SUM SUM SUM	WAIT WAIT WAIT WAIT WAIT CPUQJS CPUQJS CPUQJS	3 4 504 505 531 537 1,980 1,980 1,980	710 710 710 710 710 710 710 710 710 710	

This list includes the following columns:

### Location

Indicates where in iDoctor you can find this graph or report. The location description maps to a category and component. For example, category "CPS" is location "CS Graph History". In some cases, graphs or reports are only found by drilling down from another graph and this will be noted here if this is required.

### Hidden

An X in this column means the report is hidden from view. **Note:** This can't be modified by the user.

### Folder Layout

Under a collection, this shows where the report exists.

**Report name** The graph or report name

## Comments

Notes from the developer

Files

If a special optional file is required to produce the report it will be listed here.

#### Analyses

This column indicates if any iDoctor analyses must be ran (or NOT) before this graph or report will appear.

### Category

Identifies the folder within the component that this graph or report appears in (within the .mdb databases such as iDocCS.mdb.) See table QAIDRCATS – **SQRYCAT** column within databases.

#### Sub-category

Identifies the sub folder within the component that this graph or report appears in. This is column **SQRYCATSUB**.

### Graph ID

Identifies the unique identifier for this graph within table QAIDRGPH in the iDoctor reports database. This is column **GRAPHID**.

### Graph Min VRM

The minimum IBM i release in nnn format such as 710, 720, 730, etc where this graph will appear. This is **MINVRM** within table QAIDRGPH.

#### Graph Max VRM

The maximum IBM i release in nnn format such as 710, 720, 730, etc where this graph will appear. 0 = no max. This is **MAXVRM** within table QAIDRGPH.

### SQL ID

Identifies the unique identifier for this report or graph's SQL statement within tables QAIDRGPH or QAIDRSQL. This is column **SREFNO**.

### SQL Min VRM

The minimum IBM i release in nnn format such as 710, 720, 730, etc where this report will appear. This is **MINVRM** within table QAIDRSQL.

### SQL Max VRM

The maximum IBM i release in nnn format such as 710, 720, 730, etc where this report or graph's SQL statement will appear. 0 = no max. This is **MAXVRM** within table QAIDRSQL.

Double-click a report in this list will display additional Properties. Because these are IBM-defined reports, the properties are read-only, although if you wanted to make changes you could modify the .mdb files at your own risk/discretion.

### 2.6.4 IFS Pane

This pane allows access to the IFS on an IBM i and displays results for a single file/folder or the entire IFS. Pressing Search will navigate to the <u>IFS</u> folder if not already open and show the results.

### **Tip:** When using the <u>IFS</u> folder within IBM i Explorer, this pane appears automatically.

IFS						ľ
System (IBM i)	Ctedb75a	<b>.</b>	Posot	Coarch	Create Bapart	
		<u> </u>	Reset	Search	Create Report	
Object	/QIBM/ProdData/iDoctor/sql/	-	New results			
Filter			Help			

🖻 Filter 📗 Tables 📓 Graphs 🦯 IFS 🖌 Objects 👫 Active jobs 💬 Find 🖄 Output queues 🛱 Spool files 🚔 Object lock info 🛱 User profiles

An example is:

IFS									
System (IBM i) Ctcdb75a						]		unde Co	Currente Deve evit
, cicub/sa					<u> </u>				reate Report
	Data (iDector (col	/			_	1			
Object //QIBM/Prod	iData/iDoctor/sqi	/			<u>•</u>	] O New resu	lts		
Filter						1			
Filter						Help			
Street Tables Couche &		A satura tal	a lan sin d 🕅 outrus			la alc'ata 🔂			
💾 Filter 📗 Tables 🛄 Graphs 🖌	IFS / P Objects	Active Jo		t queues [ ]	Spool files 🛛 🔳 Object		Jser profiles	ļ	
IBM i Connections 1 iDocto	r Update History	2 Idoc7	30: IBM i Explorer 🏏	3 Ctcdb75a	a: IBM i Explorer 🔳				
E-U. Ctcdb75a		Nan	e	. Size	Change timestamp	Type	Owner	Symbolic	Description
System				$\Delta$ (KBs)		1.76		link	
Tables									
Graphs			oln renos refreshtyt	13	2022-10-04-13 56 02 0	N00000 *STI		R	
	and a set of		oln_repos_refreshCS.tx	t .21	2024-01-15-13.15.01.0	00000 *STI	VE OSECOE	R	
	or/sqi/		oln repos refreshDW.t	bxt .21	2024-01-15-13.15.01.0	000000 *STI	VF OSECOF	R	
· · ·		B (	oln repos refreshJW.tx	d .21	2024-01-15-13.15.01.0	00000 *STI	VF OSECOF	R	
E Libraries		🗟 🛛	oln repos refreshPA.tx	t .21	2024-01-15-13.15.01.0	00000 *STI	VF QSECOF	R	
Objects		🗎 🗎 o	idrcsextm.sql	6.09	2022-05-26-06.18.39.0	000000 *STI	VF QSECOF	R	
🗈 🛶 Work management		B (	temp_dbfile.txt	9.46	2023-05-02-11.09.21.0	000000 *STI	VF QSECOF	R	
🖅 📄 Monitors		B (	temp_dbfile2.txt	7.90	2023-05-02-11.09.21.0	000000 *STI	VF QSECOF	R	
FTP Definitions		📓 /	SCIIHEXCV.sql	5.96	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
🖮 脂 Db2 for i		📓 (	S_Situations.sql	20.21	2025-03-11-09.45.48.0	000000 *STI	VF QSECOF	R	
Find collections results		B (	ETIPADDR.sql	1.11	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
Saved collections		B (	ETJWVRM.sql	1.33	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
		🗎 🗎 (	ETNEXTTBL.sql	1.73	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
		B (	ETPEXVRM.sql	1.27	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
		🗎 I	EXTOI.sql	1.34	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
		🗎 J	W_Situations - Copy.sq	al 22.29	2022-09-09-15.23.07.0	000000 *STI	VF QSECOF	R	
			W_Situations.sql	28.50	2025-03-19-07.14.37.0	000000 *STI	VF QSECOF	R	
		N 📓	ISECDIFF.sql	.47	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
			AD.sql	.73	2025-03-11-09.45.53.0	000000 *STI	VF QSECOF	R	
			ARSESIG.sql	3.90	2023-05-02-11.09.18.0	000000 *STI	VF QSECOF	R	
		Bi (	IDRANL.sal	4.80	2023-05-02-11.09.18.0	000000 *STI	VF OSECOF	R	
Ctcdb75a: IBM i Explorer: IES /OIBM/	ProdData/iDocto	/sal/coln rei	os refreshDW tyt/		1: O7RC-22	9287 14 mins	C Sel: 4		1 - 21

From this view a user can work with the files and directories shown in several ways. Files may be downloaded or opened/viewed. You may also upload additional files to the system by right-clicking one of the folders and using the Upload... menu.

See the IFS folder for more information on the options available when working with the results of the IFS Pane.

	System (IBM i)
-	This is the system you are currently working with. You can change this value to another, but then a
	new results view will need to be used when pressing Search.
OK	Reset
CIR	This restores all parameters back to the defaults and performs a search.
	- The default is the root IFS folder.
OK	Search
P	This performs a search and updates the results. Pressing the enter key will do this too.
OK	Create Report
ON	This option builds a table view showing the results generated from doing the search.

Object	
This is the IFS path and/or specific file name to use as the filter. Note: This does not support	
values like *.txt.	
New results	
If checked, this will create a new results view rather than reusing the current existing one (if	
applicable.)	
Filter	
This is where clause used on the SQL statement to further reduce the results in addition to the	
other values already defined. If SQL syntax is not correct, the view will produce no data.	
Examples:	
PATH2 LIKE '%6671D6%'	
DATA_SIZE > 1024	
OBJECT_TYPE = '*DIR'	
OBJECT_TYPE = '*DIR' AND UPPER(PATH2) LIKE '%6671D6%'	
OBJECT_TYPE <> '*DIR' AND UPPER(PATH2) LIKE '%AAAAF%'	
TEXT_DESCRIPTION LIKE '%test%'	
Help	
This shows examples for the Filter textbox.	

### 2.6.5 Objects Pane

Ohierte

This pane is used to show objects on the system via the IBM I Explorer - Objects folder matching the search criteria provided.

### Tip: When clicking on the Objects folder within a Component View interface the Pane will appear automatically.

Pressing Search will open and navigate to the IBM i Explorer -> Objects folder if not already looking at it.

objecto										
System (IBM i) Udoc720				J	Obiect o			Court	. D	
1000/30				· _		ADR	Reset	Search Create	е кероп	
Object type FILE				•	Library Q	USRSYS	New resu	lts		
					Filter			Help		
	-									
🖪 Filter 🛛 📕 Tables 🖉 🖉 IFS 🖉 🌽 Ob	jects 🛛 🖓 Active jobs	Find								
IBM i Connections 2 Idoc7	30: Job Watcher 📘	4								
Libraries: D*	Object Name	Library	Туре	Attribute	Owner	Creator's user	Creation time	Change time	Size (KBs)	Description
- B Definitions						profile				
Deta repository	Qaidrcnc1	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2020-05-31-07:57:06.000000	2023-09-08-07:50:52.000000	924	iDoctor Collection repository colle
B SOL tables: D*	Qaidrcnl1	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2020-05-31-07:57:06.000000	2023-09-08-07:50:52.000000	236	iDoctor Collection repository libra
Monitors	Qaidrcols	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2024-09-26-09:12:48.000000	2025-03-19-07:31:33.000000	832	
ETR Definitions	Qaidrcsmgt	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2016-07-15-11:01:47.000000	2023-09-08-07:50:52.000000	88	Output file for DSPOBJD
	Qaidrdbkt	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2025-03-19-07:30:52.000000	2025-03-19-07:30:52.000000	44	
Bivi Explorer	Qaidrdirmn	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2021-04-19-12:30:39.000000	2023-09-08-07:50:52.000000	52	
System	Qaidrdwm2	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2023-06-16-07:33:12.000000	2023-09-08-07:50:52.000000	92	STRDWMON control file
ladies	Qaidribs	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2021-08-31-11:45:18.000000	2023-09-08-07:50:52.000000	52	
Graphs	Qaidrjwkb	QUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2022-10-26-15:00:03.000000	2023-09-08-07:50:52.000000	52	CTD IN A CONTRACT OF INTERNAL CLA
IFS /QIBM/ProdData/	Qaidrjwm2	QUSKSYS	*FILE	PF	MCCARGAR	MCCARGAR	2023-06-16-07:42:14.000000	2023-09-08-07:50:52.000000	112	STRUWINION control file
🗉 🛄 Libraries	Qaidrjwrd	QUSRSYS	*FILE	PF			2023-01-10-11:55:34.000000	2023-09-08-07:50:52.000000	109	Job watch - rule definition
Dbjects	Qaidrkbiiu		*EILE	DE	MCCARGAR	MCCARGAR	2022-11-17-14:29:54 000000	2022-09-08-07:50:52.000000	140	Doctor Knowledge base Folders
Qaidrcnc1	Oaidrkb1	OUSRSYS	*FILE	PF	MCCARGAR	MCCARGAR	2022-10-26-14:54:12.000000	2023-09-08-07:50:52.000000	4.336	
dd Connection: Add a new conne	ction.						1: 07	RC-753087 8.8 mins OZDA-7 No.	selection	1 - 14 of 30

Add Connection: Add a new connection.

1: OZRC-753087 8.8 mins OZDA-7 No selection

Some object types provide additional functionality, and you will be able to drill down further and find more details about an object using the Properties menu.

For example, physical files can be expanded to view the members within them. And the members can be opened as a new report in the Data Viewer.

The Filters text box acts like a where clause in an SQL statement and syntax must be correct when used or the view will fail to produce data To determine the available fields, right-click the Objects folder and use Select fields... menu. Some examples can be found using the Help button as well.

•	<b>System (IBM i)</b> This is the system you are currently working with. You can change this value to another, but then a new results view will need to be used when pressing Search.
	<b>Tip:</b> Clicking on another view will automatically change the system to match the system you clicked on. You can also do this when clicking system names in the IBM i Connections View.
	<b>Object</b> This can be *ALL (or blank), a specific name, or generic object name.
ОК	Reset This clears all filters, sets them to the IBM shipped default values (QAIDR* files in QUSRSYS) and performs a search.
ОК	Search This performs a search and updates the results. Pressing the enter key will do this too.
OK	<b>Create Report</b> This option builds a table view showing the results generated from doing the search.

•	Object type This is the type of object and can be *ALL or a specific object type.
	<b>Library</b> This is the library the object is located in and can be *ALL, a specific name or generic name.
	New results If checked, this will create a new results view rather than reusing the current existing one (if applicable.)

	<b>Filter</b> This is where clause used on the SQL statement to further reduce the results in addition to the other values already defined. If SQL syntax is not correct, the view will produce no data.
	Examples: OBJNAME = 'QAPYJWDFN' OBJATTR = 'PF' OBJTEXT LIKE '%SQL FUNCTION%' OBJOWNER = 'MCCARGAR' OBJTYPE IN('*PGM', '*SRVPGM') KBSIZE > 1
ОК	Help This shows examples for the Filter textbox.

### 2.6.6 Active Jobs Pane

This pane is like the interface for WRKACTJOB to show the active jobs on the system but also provides the capability to view the job logs or spool files for jobs that have ended. For active jobs you can view the threads within each job and the call stacks for each thread. Options are also available to kick off performance collections or define definitions based on the selected active jobs.

**Tip:** This pane is large (vertically), so you may have to resize the pane vertically to see the Graph option at the bottom.

	Active jobs										д
-	System (IBM i)	Idoc730					•	(	Reset	Search	
-	Job	QZDA*	ALL	*ALL	Job Status	*ACTIVE	•		•	□ New results	
	Current User		Subsystem		Min CPU/IO	*ALL				Open in DV	
	Perspective	Detailed 💌	SQL contains							Count	
	Graph	No graph							-		
1	🖻 Filter 📗 Tables 💡	🖉 IFS 🛛 🏓 Objects  🐫	Active jobs 덎	Find							

Results are shown in either the Main Window or Data Viewer. If a graph is desired, then the results are required to be shown in the Data Viewer.

Active jobs															Ţ.
System (IBM i)	Idoc730								•		Reset	:	Search		
doL	QZDA*		*ALL		*ALL	Job	Status	*ACTIVE	•				New results		
Current User			Subs	ystem		Min	CPU/IO	*ALL					Open in D\	(	
Perspective	Detailed	•	SQL cor	ntains		Count									
Graph	No grap											•			
🖻 Filter 📗 Tables 🚽	/° IFS 🖉 🏓	Objects 🐇	Active jo	obs 🗦	P Find							_			
IBM i Connections	2 Id	oc730: IBN	1 i Explore	er 💌											•
□ Idoc730	-*	Job	ol	b	Job	Job type	Active	Threads	Priority	Current	Elapsed	CPU	CPU time	Temp storage	QT
🗈 🚰 System		name	us	er	number		job status			user	CPU time (ms)	% √	total (ms)	(MBs)	siz
				USER	524518	nrestart	PSRW	1	20	OUSER	(III3)	0	5		
Graphs		OZDAS		USER	524543	prestart	TIMW	1	20	QSECOFR	0	ŏ	121	9	
tibrarian		OZDAS	SINIT Q	USER	658476	, prestart	TIMW	1	20	QUSER	0	0	272	17	7
		OZDAS	SRVSD Q	USER	736657	batch	SELW	1	20	QUSER	0	0	1,474	14	1
		🗘 OZDAS	SOINIT Q	USER	752691	batch immed	TIMW	1	20	MCCARGAR	0	0	53	24	4
Work manag	ement	QZDAS	SSINIT Q	USER	753073	prestart	PSRW	1	20	QUSER	0	0	4	6	5
Active Jobs OZD		OZDAS	SOINIT Q	USER	753133	batch immed	TIMW	1	20	MCCARGAR	0	0	12	18	3
		USER	753134	batch immed	RUN	1	20	MCCARGAR	6	0	38	28	3		
QZDASRVSD															
III III 🗄 🗘 QZDAS	SSINIT	11													1

**Tip:** This interface collects performance statistics for active jobs only. Each refresh or press of the search button will update these metrics. To reset the performance statistics counters then right-click the Active jobs folder and use the Reset Statistics menu option.

For more information on working with the jobs shown in search results, see the Active jobs folder.

	System (IBM i)
-	The name of the IBM i system to perform a search on. The values in the drop-down list is built from the list
	of systems within the IBM i Connections View.
OK	Reset
OR	This clears all filters, sets them to the IBM shipped default values (QZD* active jobs) and performs a
	search.
OK	Search
UK	This will perform the job search based on the filters given on this pane. If job status is *ACTIVE then
	clicking this button multiple times will update the performance statistics each time the button is pressed.

	Job (name/user/number)
	This is the job name, user name and job number to search on. Name and user can be *ALL/blank or a
	generic or specific name.
	Job number must be either a single 6-digit number or blank/*ALL.
1	Job status
•	This option allows you to indicate the types of jobs to include in the results based on their status. The option used effects the columns returned in the list.
	*ACTIVE – Only active jobs are returned. This will include some performance metrics.
	<b>ALL</b> – All jobs, active of hot will be returned in the list.
	TODQ – Only jobs waiting on a job queue will be shown in the list.
	<b>COTQ</b> – Only completed jobs containing spool file output are snown. You can expand these jobs to view
	(A sting Otating)
	(Active Status)
	This indicates the type of active job status to further filter the results. You can pick one and only of these
	types in the list. For more information see the help text for the WRKACTJOB command's Status column.
	Note: This option will only appear if Job Status is *ACTIVE or *ALL.
	New results
	Check this box if you want the results to be created in a new view upon clicking Search.

	Current User
	The exact current user profile to include in the results or blank (or *ALL) for all.
	Subsystem
A*	This is the subsystem name to use to filter the results by.
	Min CPU/IO
	The 1 <sup>st</sup> value is the minimum CPU utilization to use as a filter.
	The 2nd
	This will perform the job search based on the filters given on this pane. If job status is <b>*ACTIVE</b> then
	clicking this button multiple times will update the performance statistics each time the button is pressed.
	Open in DV
	Check this box if you want to see results as an SQL report (or graph) in the Data Viewer instead of the
	default under Work management -> Active jobs in the Main Window.

	Perspective
-	This setting controls the information displayed in the results in the Active Jobs folder.
	These options are available:
	- Basic
	- Detailed
	- CPU
	- IOs
	- Interactive
	- Temp storage
	- Locks
	- SQL (all)
	- SQL client
	- SQL cursor
	- SQL server
	- Advanced
	JVM
	SQL contains
	For some types of perspectives, this option lets you filter the results based on something matching in the
	SQL statement captured.

	Count
	This indicates if an extra SQL statement will be ran to count the number of jobs returned in the results. If
	this is done the results will take longer to appear, but the scrollbar showing the number of jobs will be
	accurate.
	In some cases, especially at older releases and/or when job status is set to *OUTQ, the results can take a
	while to return due to limitations in IBM i SQL Services so this option can help in those situations.
	Graph
-	If viewing active jobs, some active job metrics can be graphed in the Data Viewer if desired. The graphs
	available will vary based on the Perspective.

### 2.6.7 Find Pane

This window is used to look for something shown in the GUI in the interface itself or behind the table/graph you are viewing. It can only search on one view at a time, which is based on the description listed under the "Searching: " label. Click on a text box, interface, list, tree, graph, or graph legend to change what you are searching.

Use the Edit -> Find menu (or Ctrl+F) to show this option.

F	ind												ą
1		Find what:	Other		•	Reset	Clear	Reset	<	•	• >	Duplicate	
3	Starts with		Match cell	Match case	Column 2 onl	ly (Wait bucket descriptio	n (BUCKETDE	Use SQL	🗆 lf no l	hits, load	l more		
2		Searching:	2 Idoc730/DEMO2/QUE	RYPERF [SYSTNAME]/JOB	WATCHER - JOB	WAIT BUCKET MAPPING	- List		Head	er			

When searching tables/lists there are various options to control how things are searched and if the data is built using SQL, then the "Use SQL" option can be used if you wish to search the data behind the report instead of only having the Find Pane look at only cached data loaded into the GUI.

After a Find has been started, F3 will find next and Shift+F3 can be used to find the previous hit.

Here's an example when searching for something in a table view. The current hit is shown in orange, and the other hits found are in yellow.

Find								
	Find what: Other				▼ 1/101	Clear	Reset	I < · · >I Dupli
C Starts with	,		C	Column	only (Mait bucket descrip	tion (RUCKETDE )		
			C C		only (wait bucket descrip	NION (BUCKETDE (	_ USE SQL	I no hits, load more
	Searching: 2 Idoc730/DEMO2/QU	ERYPERF [SYSTNA	ME]/JOB W	ATCHER - J	OB WAIT BUCKET MAPPIN	IG - List		Header
1 idoc730/	/iDoctor countries table 🗡 2 Ide	pc730/DEMO2/QU	JERYPERF	SYSTNAM	E]/JOB WATCHER - JOB \	WAIT BUCKET MA	P 🛛	
Wait bucket	Wait bucket description	BKRESERVED	Wait type	Wait				
number	(BUCKETDESC)	(BKRESERVED)	identifier	type				
BUCKETNUM)			(ENUM)	code				
				(EYE)				
3	Reserved		0	XXX				
4	Other waits		1	QCo				
14	Machine level gate serialization	n	2	QGa				
14	Machine level gate serialization	n	3	QTG				
4	Other waits		4	QTB				
4	Other waits		5	QUW				
4	Other waits		6	QQu				
4	Other waits		7	QTQ				
32	Abnormal contention		8	QRP				
4	Other waits		9	QPo				
4	Other waits		10	QMP				
4	Other waits		11	QMP				
4	Other waits		12	QSP				
4	Other waits		13	QSC				
32	Abnormal contention		14	QWL				
13	Mutex contention		15	QMG				
12	Semaphore contention		16	QSm				

	Find what
•	This is where you can type the value you want to find. The drop-down list contains previous search values.
	Clear
A	Clears the find history from the drop-down list.
OK	Reset
- CA	Clears the current find operation and any highlighted selections.
OK	<-
1	Moves to the first hit.
	<>
	Move to the previous/next hit.
	->
	Move to the last hit.
OK	Duplicate
10	For table or graph views, this option is provided to duplicate the data behind the report into a new table. If
	the SQL statement begins with "WITH", the Use SQL option will not work unless this is done first.

Starts with
In checked, then only values that begin with the same characters provided in the Find what box will be
Match cell
If checked, the entire cell must match the 'Find what' value.
Match case
Check this option to perform a case-sensitive find operation.
Column N only
Check this option to only search a single (last clicked on) column from the list.

<b>Use SQL</b> For tables/lists, built using SQL, this provides a way to look for hits on the entire result set rather than only searching the data fetched into the GUI from scrolling the results.
If no hits, load more If Use SQL is unchecked, this indicates how many additional rows to fetch if no hits found. Note: Fetching rows can take a while and the GUI will appear to hang while this is happening. A large amount of PC memory can be consumed as well.
Header If searching a list/table, this provides the option to search the table's column headings.

## 2.6.8 Output Queues Pane

This pane is an interface for the WRKOUTQ (Work with Output queues) command. It allows you to view the output queues that exist on an IBM i.

Tip: When using the Output Queues folder under Work management, this pane appears automatically.

Output queues						
System (IBM i)	Idoc730	•		Reset	Search	Create Report
Output Queue	*ALL		C	New results		
Library	*ALL					

After specifying the system name and the desired filters, clicking search will display the results in the IBM i Explorer -> Work management -> <u>Output queues</u> folder below the pane.

Dutput queues							
System (IBM i)	Idoc730		-			Reset Search	Create Re
Output Oueue	-						
Output Queue	*ALL					New results	
Library	*^11						
	ALL						
Filter 📗 Tables 🎜	IFS 🖋 Objects	🔍 Active jobs 🛛 🖓 Fi	ind 🕅 Outpu	t queues	J		
IBM i Connections	1 iDoctor Upd	late History 2 Ido	oc730: iDoctor	Sales	3 Idoc7	730: Job Watcher 🛛	
BM i Explorer		Output	Output	Files	Printer	Description	Status
🖶 📰 System		queue	queue	$ \nabla$	device		
🕀 🛄 Tables		_	library				
Graphs			QGPL	7,005		Default Printer Output Queue	RELEASED
			QGPL	1,710			RELEASED
Iibraries		SAVIDOCBA	QGPL	774			RELEASED
		SAVIDOCPA	QGPL	369			RELEASED
			QUSRSYS	47		Cleanup output queue for job logs	RELEASED
🖃 🔫 Work mana	igement	D QFAXOUTQ	QFAX	0		FAX SUPPORT	RELEASED
🕀 📷 Active jo	bs		QFAX	0		FAX SUPPORT	RELEASED
🐵 🔥 Server j	obs	D QDKT	QGPL	0		Default Diskette Output Queue	RELEASED
🚺 Schedul	ed jobs	D QPFROUTQ	QGPL	0			RELEASED
Active s	ubsystems	D QPRINTS	QGPL	0		Printer Output Queue Intended for Special Forms	RELEASED
- 🖬 All subs	vstems	D QPRINT2	QGPL	0		Printer Output Queue Intended for 2-Part Paper	RELEASED
Activo N	Miobs	DOCTOR	QIDRGUI	0		iDoctor GUI output queue	RELEASED
Active J	h manager and a second se	DOCTOR	QIDRGUI730	0		iDoctor GUI output queue	RELEASED
Active Jo	op queues		QUS	0			RELEASED
🖓 All job c	lueues		QRCL	0		System created output queue.	RELEASED
🖻 🚹 Output	queues	ONDERR	ORDARS	0		ONDEMAND DEFAULT ERROR OUTO FOR STRMONOND	RELEASED
- 🖧 QPRI	NT		ORDARS	0		ONDEMAND DEFAULT PROCESSED OUTO FOR STRMONOND	RELEASED
- 🛱 SAVI	WLOOD	D ORDARS400	ORDARS	ő		ONDEMAND OUTPUT OUEUE	RELEASED
D SAVI	DOCBA		OSERVICE	ő			RELEASED
The save	DOCIN	DOS95RVAGT	OSRVAGT	, o			RELEASED

-	System (IBM i) The name of the IBM i system to perform a search on. The values in the drop-down list is built from the list of systems within the IBM i Connections View.
ОК	Reset This clears all filters, sets them to the IBM shipped default values (*ALL output queues) and performs a search.
ок	Search This will perform the search based on the filters given on this pane and show the results in the Output queues folder.
ОК	Create Report This option builds a table view showing the results generated from doing the search.

	Output queue
A*	The name of the output queue. This can be *ALL a specific name or a generic name.
	New results
	Check this box if you want the results to be created in a new view upon clicking Search.
	Note: Changing the system name will force this checked.
	Library
	The name of the output queue library. This can be *ALL a specific name or a generic name.

# 2.6.9 Spool Files Pane

This pane is an interface for the WRKSPLF (Work with Spool Files) command. It allows you to view the spool files that exist on the IBM i matching the filters you provide.

Tip: When using the Spool files folder under Work management, this pane appears automatically.

	Spool files						
I							
	System (IBM i)	Idoc730		▼ Output Queue	*ALL	Reset Searc	ch Create Report
	User name	*CURRENT V	Iser data	Library	*ALL	□ New results	
l	Job			Spool file		✓ Last 24 hours	
l							
	🖻 Filter 🛛 📕 Tables 🖉 🖓 I	IFS 🛛 🏓 Objects 🛛 🕵 Active j	jobs 🛛 💬 Find 🕅 Outpu	ut queues 🔯 Spool files			

After specifying the system name and the desired filters, clicking search will display the results in the Spool files folder within Work management.

					· ·				·	
Spool files										
System (IBM i) Idoc730			•	Output Queue	*ALL		Reset	: ][	Search	Create Report
User name *CURRENT •	User data			Library	*ALL		New res	ults		
dot				Spool file			🗹 Last 24	hours		
🔁 Filter 📘 Tables 🖌 IFS 🗲 Objects 🖇	Active jobs 🦻 Fi	nd 🕅 Outp	ut queues	Constraints Spool files						
IBM i Connections 1 iDoctor Updat	te History 🔰 2 Ido	c730: iDocto	or Sales 🖉 🛾	ldoc730: Job	Watche	r 🗙				
Job Watcher     Job Watch	Output Spo queue	ool file	User data	User name	Status	Job name	Job user	Job number	File number	Created on
Data repository     SQL tables     Monitors     FTP Definitions     If Explorer     System     Tables     If System     System     If Tables     System     Syst	Qprint QS     Qprint CCC     Qprint CCC     Qprint CCC     Qprint CCC     Qprint CCC     Qprint CCC     Qprint CCC	SYSPRT SYSPRT SYSPRT SYSPRT SYSPRT JOBLOG DLN_REPOS DLN_REPOS DLN_REPOS DLN_REPOS	DSPLNK DSPLNK DSPLNK DSPLNK DSPLNK QPADEV0067 SQL SQL SQL SQL SQL	MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR	READY READY READY READY READY READY READY READY READY READY READY	QPRTJOB QPRTJOB QPRTJOB QPRTJOB QPRTJOB QPRTJOB QPRTJOB QPRTJOB QIDRREPOS QIDRREPOS QIDRREPOS QIDRREPOS	MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR MCCARGAR	693688 693688 693688 693688 693688 693688 750779 754896 754895 754893	3,687 3,686 3,685 3,684 3,683 3,682 2 1 1 1 1	2025-03-23-06.16.24. 2025-03-23-06.15.01. 2025-03-23-06.14.31. 2025-03-23-06.14.23. 2025-03-23-06.13.38. 2025-03-23-06.57.27. 2025-03-22-09.26.00. 2025-03-22-09.26.00. 2025-03-22-09.26.00. 2025-03-22-09.26.00.

From this view, the user may view spool files, download them as PDFs and view them on the PC. See the Spool files section for more information.

	System (IBM i)
-	The name of the IBM i system to perform a search on. The values in the drop-down list is built from the list
	of systems within the IBM i Connections View.
	Output queue
	The name of the output queue. This can be *ALL a specific name or a generic name.
OK	Reset
Si C	This clears all filters, sets them to the IBM shipped default values and performs a search.
OK	Search
OR	This will perform the search based on the filters given on this pane and show the results in the Spool files
	folder.
OK	Create Report
- OK	This option builds a table view showing the results generated from doing the search.

	User name
-	This allows you to filter on the user that created the file. This value can be *CURRENT, *ALL, a single
	name or a generic name.
	User data
•	This field allows to you to filter on the user data associated with the spool file. This value can be *ALL, a
	single name or a generic name.
	Library
•	This value lets you limit results to only show spool files in the specified output queue library. This value can
	be *ALL, a single name or a generic name.
	New results
	Check this box if you want the results to be created in a new view upon clicking Search.
	Note: Changing the system name will force this checked.

<b>Job</b> These fields all you to filter on the job name, job user and/or job number values for the job that created the spool file. The job name and job user values can be a single name or generic name. Job number must be either blank or a 6 digit number.
<b>Spool file</b> This option allows you to filter on the spool file name. This value can be *ALL, a single name or a generic name.
Last 24 hours This option allows you to limit results to only spool files created in the last 24 hours. This improves response time to view results.

## 2.6.10 Object lock info Pane

This pane is like the WRKOBJLCK (Work with Object Locks) command. It allows you to see the jobs that have locks on the specified object and perform actions against those jobs.

**Tip:** When using the Object Lock Info folder within IBM i Explorer -> Work management, this pane appears automatically.

Pressing Search will open and navigate to the IBM i Explorer -> Work management -> Object lock info folder if not already open.

<sup>8</sup> Object lock info							
-							
System (IBM i)	ldoc730	<b>▼</b> 0	bject QAIDRCOLS		Reset	Search	Create Report
Object type	*FILE File	Ţ Li	brary QUSRSYS		□ New results		
ASP device	*	Me	mber				
Filter						Help	
🖻 Filter 📗 Tables 🖉	" IFS 🛛 🌶 Objects 🛛 🎎 Active jobs	🖓 Find 🖄 Output queue	s 🗍 Spool files	🔒 Object lock info			

A user can specify the system, object, library as well as the object type to check. The member name (for files) and/or ASP may also be specified. Clicking search will display the results in a view below the pane.

, , ,	•		,							•
Object lock info										
System (IBM i) Idoc730		•	Object QAI	RCOLS			Reset	Search	Creat	e Report
Object type FILE File		•	Library QUS	RSYS			ew results			
ASP device *		١	/lember		]					
Filter								Help		
🖻 Filter 📗 Tables 🖉 IFS 🔌 Objects 🕅	Active jobs 🦻 Find	🕽 Output que	ues 🗍 Spoo	files 🔒 🕻	bject lock in	fo				
IBM i Connections 1 iDoctor Upda	ate History 2 Idoc730:	iDoctor Sale	s 3 Idoc73	0: Job Wat	cher 🗵					
Job Watcher	Job name $\bigwedge$ Job user	Job number	Thread Lock ID	Status	Scope Loc spa ID	k Lock ce count	Object library	Object name	Member name	Member lock type
<ul> <li>Data repository</li> <li>SQL tables</li> <li>Monitors</li> <li>FTP Definitions</li> <li>IBM i Explorer</li> <li>System</li> <li>IFS /www/idoctor/htdocs/</li> <li>Libraries</li> <li>Objects</li> <li>Work management</li> <li>Active jobs</li> <li>Scheduled jobs</li> <li>Scheduled jobs</li> <li>Active Job queues</li> <li>Active Job queues</li> <li>Active Job queues</li> <li>Output queues</li> <li>Object Iock info</li> </ul>	QZDASOINIT QU QZDASOINIT QU QZDASOINIT QU	SER 756428 SER 756428 SER 756428	0 *SH 0 *SH 0 *SH	RD HELD RD HELD RD HELD	JOB JOB	2 2	QUSRSYS QUSRSYS QUSRSYS	QAIDRCOLS QAIDRCOLS QAIDRCOLS	QAIDRCOLS	MEMBER DATA

Users can work with these jobs to drill-into them for more information or end them.

For more information on the options available when working with search results for this pane see the Object lock info section.

	System (IBM i)
-	The name of the IBM i system to perform a search on. The values in the drop-down list is built from the list
	of systems within the IBM i Connections View.
	Object
	This can be *ALL (or blank), a specific name, or generic object name.
OK	Reset
S C	This clears all filters, sets them to the IBM shipped default values and performs a search.
OK	Search
C C	This will perform the search and show results in the Object lock info folder.
OK	Create Report
OK	This option builds a table view showing the results generated from doing the search.

•	]	<b>Object type</b> This is the type of object and can be *ALL or a specific object type.
		Library This is the library the object is in and can be *ALL, a specific name or generic name.
		<b>New results</b> Check this box if you want the results to be created in a new view upon clicking Search. <b>Note:</b> Changing the system name will force this checked.

۲	<b>Object type</b> This is the type of object and can be *ALL or a specific object type.
	<b>Library</b> This is the library the object is in and can be *ALL, a specific name or generic name.
	New results
	Check this box if you want the results to be created in a new view upon clicking Search.
	<b>Note:</b> Changing the system name will force this checked

ASP devic
-----------

This is the ASP device name and should be 1 of these values:

\* - The ASPs that are currently part of the thread's library name space will be searched to locate the object. This includes the system ASP (ASP number 1),

all configured basic user ASPs (ASP numbers 2-32), and, if the thread has an ASP group, all independent ASPs in the ASP group.

**\*SYSBAS** - The system ASP and all basic user ASPs will be searched to locate the object. No independent ASPs will be searched, even if the thread has an ASP group.

**Name** - The device name of the independent ASP to be searched to locate the object. The independent ASP must have been activated (by varying on the ASP device) and have a status of 'Active' or 'Available'. The system ASP and basic user ASPs will not be searched.

### Member

This is the member name to use if applicable. Can be blank, a specific name or generic name.

Filter

This is where clause used on the SQL statement to further reduce the results in addition to the other values already defined. If SQL syntax is not correct, the view will produce no data.

Examples: JOBNBR = '303113' JOBUSER = 'FRED' JOBNAME LIKE 'QZ%'

## 2.6.11 User Profiles Pane

This pane is an interface for the WRKUSRPRF (Work with User Profiles) command. It allows you to browse the user profiles that exist on the IBM i and make some modifications as needed.

Tip: When using the User Profiles folder under IBM i Explorer -> System	<mark>, this pane appears</mark>
automatically.	

System (IBM i): Idoc730   Reset Search	Create Report
User:	
Filter: Help	

After specifying the system name and user name criteria, clicking search will display the results in the User Profiles folder under System.

User profiles										
							_			
System (IBM i):	Idoc730					-	• Reset	Se	arch	Create Report
User:	MCC*						🗌 New resul	ts		
Filter:								Hel	p	
				<b>()</b>			let			
HITER I ables	IFS PODjects	Active Jobs	2 Idec7	201 iDector Sales	Juspool files		user profile	is		
			2 10007		5 100C/SU: JOD Wa	Last used		Status	1	
Libraries	I	name	$ \Delta $	Description		Lustused		Status		
- Definitions		MCCARG	AR	Ron McCargar/Roch	ester/IBM@IBMUS	2025-03-23-00	0.00.00.000000	*ENABLED	1	
🗉 🔁 Data repositor	y I	MCCARG	AR1	Ron McCargar/Roch	ester/IBM - test profile	e 2024-09-30-00	0.00000.000000	*ENABLED		
🕀 📑 SQL tables		MCCARG	AR2			2024-10-29-00	0.00000.000000	*ENABLED		
🗉 📄 Monitors										
FTP Definitions										
BM i Explorer										
🖃 📰 System										
🗉 🔤 Status										
Histopy	es log									
	log									
Disk uni	ts									
Memory	/ pools									
User pro	ofiles									

For more information on the options available on user-profiles, see the User Profiles folder.

	System (IBM i)
-	The name of the IBM i system to perform a search on. The values in the drop-down list is built from the list
	of systems within the IBM i Connections View.
OK	Reset
Sec.	This clears all filters, sets them to the IBM shipped default values and performs a search.
OK	Search
Sec.	This will perform the search and show results in the User Profiles folder.
OK	Create Report
OK	This option builds a table view showing the results generated from doing the search.

User This is the user name or generic user name (or *ALL) to use when performing the search
New results Check this box if you want the results to be created in a new view upon clicking Search. Note: Changing the system name will force this checked.

|--|

This is where clause used on the SQL statement to further reduce the results in addition to the other values already defined. If SQL syntax is not correct, the view will produce no data.

**Tip:** Right-click the User Profiles folder and use the Select fields... menu to see the possible field names.

Examples: AUTHORIZATION\_NAME = 'QSECOFR' SIGN ON ATTEMPTS NOT VALID > 0

# 2.7 Power Connections View

This option no longer exists.

# 2.8 Remote Command Status View

The Remote Command Status view shows the status of commands or file transfers executing on a system. This allows you to perform lengthy operations like copy objects or delete files without tying up the GUI.

Depending on the function being used you will see one or more commands in this view. As each command completes you will see its result or error message in the view.

You can also close this window and reopen it later while commands are being executed to periodically check the status of the commands issued. Use the View -> Remote Command Status menu on the Main Window or the toolbar button to reopen it.

### Note: This view only executes 1 command at a time.

Remote Command Status 🔳								
Submitted	Completed	System	Status	Command				
2023-08-11-06.03.08	2023-08-11-06.03.12	Idoc730	Successfully copied 'ALL' to library 'MCCARGAR1' (3.19 seconds)	QIDRWCH/CPYJWCOL FROMLIB(MCCARGAR) FROMCOL(ALL) TOLIB(MCC				
2023-08-11-06.03.08	2023-08-11-06.03.14	Idoc730	Successfully copied 'Q349104037' to library 'MCCARGAR1' (1.41 seconds)	QIDRWCH/CPYJWCOL FROMLIB(MCCARGAR) FROMCOL(Q349104037) TI				
2023-08-11-06.03.08	2023-08-11-06.03.14	Idoc730	Successfully copied 'Q279134058' to library 'MCCARGAR1' (.42 seconds)	QIDRWCH/CPYJWCOL FROMLIB(MCCARGAR) FROMCOL(Q279134058) TI				

Remote Command Status View

## 2.8.1 Fields

Column	Description
Submitted	The time the command was added to the view.
Completed	The time the command completed.
System	
Status	Shows either Running, Waiting or the result of the operation.
Command	Lists the command string executed.
	Note: In some cases, these are not IBM i commands but apply to iDoctor/Windows operations. Examples: get - download a file. put - upload a file from the PC to the i. explorer - opens Windows Explorer at the path indicated.
Job	Indicates the job on the i that is running or ran this command if it occurred in the past.
	<b>Note:</b> This does not apply if this view is showing operations to HMC or VIOS or Windows.

## 2.8.2 Menu options

The following actions may be taken in the <u>Remote Command Status</u> View by selecting one or more entries and then right-clicking:

Display Job Log
Shows the job log for the selected system.
Tip: This is the default action if double-clicking a row.
Show History Log
Opens notepad with a listing of all commands and results for the entire view.
Active job options
These options let the user view or search job logs, end jobs and more.
Copy Selected Commands to Clipboard
Copies all command strings listed in the entries selected to the Windows Clipboard.
Rerun commands
Allows you to rerun the selected command(s) either on the same LPAR or other LPAR(s).
Allows you to refull the selected command(s) either on the same LPAR of other LPAR(s).

Note: This can't be used on things like Windows commands or file transfers, only IBM i commands.				
Add Command(s)				
Displays a window where you can provide your own CL command(s) to run on this system (and/or other				
systems.)				
Cancel				
Cancels the running command by ending the QZRCSRVS job if applicable.				
Remove Selected				
Removes selected remote command entries from the view.				
Note: Does not apply to commands that are running, use Cancel instead.				
Remove All				
Use this menu to remove all remote command entries from the view.				
<b>Note:</b> Does not apply to commands that are running, use Cancel instead.				

# 2.9 Remote SQL Statement Status View

The Remote SQL Statement Status view shows you the status of SQL statements running on the system.

Depending on the function being used you will see one or more statements in this view. As each statement completes you will immediately see its result in the view.

You can also close this window and reopen it later while commands are being executed to periodically check the status of the statements issued. Use the View -> Remote SQL Statement Status View menu on the Main Window to reopen it.

Ц	Handorr I							
	Remote SQL Stateme	nt Status  🛛						
	Submitted	Completed	System	Status	SQL Statement			
	2025-03-24-06.25.24	2025-03-24-06.25.32	Idoc730	Collection Summary created successfully (7.563 seconds)	CALL QIDRGUI/QIDRJWSUM3 ('IBMPEX1', 'COPY', ", ")			
	2025-03-24-06.25.24	2025-03-24-06.25.32	Idoc730	Updated status flags successfully (.625 seconds)	UPDATE QUSRSYS/QAIDRCOLS SET FLAGS = QIDRCNJWF4('IBMPEX1', 'COF			

## 2.9.1 Fields

Column	Description
Submitted	The time the statement was added to the view.
Completed	The time the statement completed.
System	System the statement is running on.
Status	Shows either Running, Waiting or the result of the operation.
SQL Statement	Lists the SQL Statement
Job	Indicates the job servicing this request.

### 2.9.2 Menu options

The following actions may be taken in the <u>Remote SQL Statement Status View</u> by selecting one or more entries and then right-clicking:

Menu	Description			
Display Job Log	Shows the job log for the selected system.			
	Tip: This is the default action if double-clicking a row.			
Show History Log	Opens notepad with a listing of all SQL statements and results for the entire view.			
Active job options	These options let the user view or search job logs, end jobs and more.			
Copy Selected SQL	Copies all SQL statements for the entries selected to the Windows Clipboard.			
Statements to				
Clipboard				
Rerun SQL	Allows you to rerun the selected statements either on the same LPAR or other			
statements	LPAR(s).			
Add SQL	Displays a window where you can provide your own SQL statements to run on this			
Statement(s)	system (and/or other systems.)			
Cancel	Cancels the running SQL statement if applicable.			
Remove Selected	Removes selected SQL statement entries from the view.			
	<b>Note:</b> Does not apply to statements that are running, use Cancel instead.			
Remove All	Use this menu to remove all SQL statement entries from the view.			
	<b>Note:</b> Does not apply to statements that are running, use Cancel instead.			

# 2.10 iDoctor Messages View

This interface provides debug and informational messages to the user when it is enabled. Many different types of messages will appear here including those related to SQL statements, IBM i Access Client Solutions API calls and more.

The amount of detail shown in this view can be increased by using Preferences -> Misc -> Enable debug logging to C:\temp and the options for logging SQL statements.

All QZRCSRVS and QZDASOINIT job commands performed are tracked in this view. Additional options are available by right clicking any of the messages.

# **Tip:** You may need to occasionally use F8 on this view to make the data more readable and auto-resize the columns.

An example of this view is:

iDoctor Message View 🔟					
Туре	Time	System	Job	5	Message
☑ Info	2023-08-11-11.01.40.941	Idoc730	QZDASOINITQUSER	404330	FillCache completed (0 ms, completed at 2023-08-11-06.01.40)
🗹 Info	2023-08-11-11.01.40.935	Idoc730	QZDASOINITQUSER	404330	Fetch [SQLFetchScroll SQL_FETCH_ABSOLUTE 1] of 20 rows successful (16 ms, completed at 20
✓ Info	2023-08-11-11.01.40.810	Idoc730	QZDASOINITQUSER	404330	SQLExecDirect took (0 ms, completed at 2023-08-11-06.01.40), rc=0, thread=1
1nfo	2023-08-11-11.01.40.780	Idoc730	QZDASOINITQUSER	404330	> Open multithreaded SQL: SELECT MESSAGE_ID, TRIM(CHAR(MESSAGE_TEXT)) AS MESSAGE,
☑ Info	2023-08-11-11.01.40.759	Idoc730	QZDASOINITQUSER	404330	FillCache completed (0 ms, completed at 2023-08-11-06.01.40)
1nfo	2023-08-11-11.01.40.723	Idoc730	QZDASOINITQUSER	404330	Fetch [SQLFetchScroll SQL_FETCH_ABSOLUTE 1] of 1 rows successful (15 ms, completed at 202
✓ Info	2023-08-11-11.01.40.696	Idoc730	QZDASOINITQUSER	404330	SQLExecDirect took (0 ms, completed at 2023-08-11-06.01.40), rc=0, thread=1
🖾 info	2023-08-11-11.01.40.688	Idoc730	QZDASOINITQUSER	404330	> Open multithreaded SQL: select count(*) FROM (SELECT MESSAGE_ID, TRIM(CHAR(MESSAG
☑ Info	2023-08-11-11.01.40.393	Idoc730	QZDASOINITQUSER	404330	CODBCDataManager::InitializeFieldDefinitions() complete (0 ms, completed at 2023-08-11-06.
☑ Info	2023-08-11-11.00.37.462	REGISTRY			ReadStringIBM.AS400.Network\3RD PARTY EXTENSIONS\IBM.PEX\General Settings - DefaultE>
☑ Info	2023-08-11-11.00.37.460	REGISTRY			ReadStringIBM.AS400.Network\3RD PARTY EXTENSIONS\IBM.PEX\General Settings - DefaultE>
☑ Info	2023-08-11-11.00.15.731	Idoc730	QZDASOINITQUSER	404330	List requests in database QUSRSYS/QAIDRREQS (LoadNewRows), fetch 199, 201 took 46 ms
☑ Info	2023-08-11-11.00.15.688	Idoc730	QZDASOINITQUSER	404330	FillCache completed (16 ms, completed at 2023-08-11-06.00.15)
A Warning	2023-08-11-11.00.15.667	Idoc730	QZDASOINITQUSER	404330	[IBM][System i Access ODBC Driver]String data right truncation.
Warning	2023-08-11-11.00.15.667	Idoc730	QZDASOINITQUSER	404330	SQLState 22018 - CWB0111 - Column 12 (DETAILDESC) truncated
✓ Info	2023-08-11-11.00.15.666	Idoc730	QZDASOINITQUSER	404330	Fetch [SQLFetchScroll SQL_FETCH_ABSOLUTE 201] of 200 rows successful (with info) (47 ms, cc
I√ Info	2023-08-11-11.00.14.514	Idoc730	O7DASOINITOUSER	404330	List requests in database OUSRSYS/OAIDRREOS took 782 ms

### 2.10.1 Fields

Column	Description
Туре	Info, Warning or Error based on the severity of the message.
Time	Time of the operation
System	GUI, REGISTRY or an IBM i system name
Job	Indicates the job on the i that is running or ran this operation if it occurred in the past.
Message	Details about the operation.

# 2.10.2 Menu options

	Display Job Log
	Shows the job log for the selected system and job. Only applies if a job name is listed.
	Tip: This is the default action if double-clicking a row.
	Active job options
	These options let the user view or search job logs, end jobs and more.
	Only applies if a job name is listed.
	Сору
_	Copies all selected rows to the clipboard.
	Copy Message(s)
	Copies just the Message column for all selected rows to the clipboard.
*	Select All
	Selects all rows.
	Export All
	This will create a file with the entire contents of the message view.
	Clear
	Removes everything from the view.
-	

# 2.11 Set Font

ſ

Another feature of iDoctor is the ability to customize the font used in the GUI. The Set Font dialog provides the user with this flexibility. To change the font, use the Edit->Set Font menu from the Main Window or Data Viewer (or right-click on an active Table View and use the Set Font... menu).

Set Font		×
Font:	Size:	
Segoe UI	▼ 10 ▼	ОК
		Cancel
	AaBbYyZz	

This window is also accessible in Preferences -> Fonts/Colors under the 2 Font label change buttons. Both the regular font and fixed-width font can be customized.

IBM i Connections 1 iDoctor	Update History	2 Idoc730: Job Watcher	3 Preferences	x
MDI tabs	Genera	te Reports		
Display Display - Advanced C	Graph Flyovers	Resize Fonts/Colors	Copy/Export S	Scheduling Con
OK Cancel				
Customize fonts/colors				
Fact Con-				
Font: Sego	De 01, 10		Cha	nge
Fixed-width font: Cour	ier New, 10		Cha	nge
	Reset			
Window	Change	Window text	Cha	nge
Active highlight	Change	Highlight text	Cha	nge
Inactive highlight	Change			
Tip	Change	Tip text	Cha	nge
Find	Change	Current find		
	Change			nge
Active tab text	Change	Inactive tab text	Cha	nge

# 2.12 Wait Bucket Preferences

This option no longer exists.

# 2.13 Set User-Defined Reports Database

This window allows the user to specify the database where iDoctor user-defined graphs and tables are located. This allows for multiple users to potentially access the same user-defined reports.

The database used can be either an IBM i library or an MS Access database file residing on the PC or a shared network drive.

🔓 Set User-Defined Reports Database	×
Select the system and library to use OR specify a PC database (.mdb) file.	
Use a local database Browse Cle	ar DB Open
Local database: C:\Users\mccar\AppData\Roaming\IBM\iDoctor\iDoctorUserDefined.mdb	
	DK Cancel

#### Set User-Defined Reports Database window with a local database selected

📔 Set User-Defined Reports Database			×
Select the system and library to use (	DR specify a PC database (.mdb) file.		
IBM i system:	Idoc730 - V7R3	Clear DB	
Library:			
	Use a local database		
	ОК	Cancel	
	Use a local database	Cancel	

Set User-Defined Reports Database with an IBM i library selected

The easiest way to share your reports with other users is to use the same library on a shared IBM i. If all users configure their Set User-Defined Reports database, then those users will be able to share the same reports that they create with iDoctor.

When the window is first opened the current setting for the user-defined reports DB will be shown.

If using an IBM i library as the database, these are the tables that will exist on the library making up the database.

COLUM00001 - This is the COLUMNDESCS SQL table which is typically named COLUM0001.

QAIDRCATS - This defines the folders

- QAIDRGPH Graph definitions
- QAIDRRGEN Report generator lists

QAIDRSQL - SQL statements (for graphs and/or reports)

You can move these tables to other libraries/systems to backup or reuse them as needed.

## 2.14 Window Manager

The Window Manager is an option found by pressing the button on the Main Window or Data Viewer toolbars. The window allows a user to see a list of all windows (or views) open and to pick the desired one to activate. Clicking on a different Data Viewer or Main Window while this window is open will update its contents to reflect the views that exist.

You can also control which windows are tiled using this interface. Just select the views you wish to compare and use one of the Tile buttons to perform the comparison.

**Tip:** You can click a window in the list to activate it.

If using this option for a Data Viewer, then additional controls will appear to allow for graph comparisons.

		🔽 Compare mode	🕑 Freeze layout	Synchronize:	□ Scrolling	🗹 Y1	✓ Y2
Up	Down	Window				Status	
		1 Idoc730/DEMO2/Q	UERYPERF [SYSTNAME]/Collection	overview time signature		Ready - Maximized	
Close	Selected	2 Idoc730/DEMO2/Q	UERYPERF [SYSTNAME]/Virtual CPU	thread wait ready and di	spatch latency	Ready	
Sel	lect All						
Case	cade All						
Tile Ho	orizontally						
Tile \	/ertically						
The v	rerucally						
Ма	ximize						
Re	store						
Mi	nimize						

	Compare mode
_	This option enables Compare mode in the Data Viewer for the selected windows. This only works for
	graphs and tables. Use one of the Tile buttons to initiate the comparison.
	Freeze layout
_	Not yet implemented
	Synchronize scrolling
	If Compare mode is activated, this synchronizes scrolling for all selected windows.
	Y1/Y2
	If Compare mode is activated, this synchronizes the Y1 or Y2 axis. This only applies to the maximum value
	and all graphs will update to use the same maximum.

ОК	<b>Up/Down</b> Use this option to move the selected window(s) higher/lower in the list. Note: The order of selected windows determines how they appear when tiling.
ОК	<b>Close Selected</b> This option will close all selected, non-busy windows. If a window is busy, it will be skipped and not closed.
ОК	Cascade All This option will arrange ALL non-minimized windows so the caption for each is visible.

OK	Tile Horizontally	y/Vertically							
OK	Arranges the sel	ected windows as horizontal or vertical, non-overlapping tiles for comparison purposes. 2-							
	6 selections may	y be used.							
OK	(These options	apply only to Standard MDI mode.)							
OK	Maximize								
	This will resize the selected window so they take up the entire window area.								
	Restore								
	This will reposition	on all selected windows to their previous state (if maximized or minimized).							
	Minimize								
	This will hide from	m view all selected windows.							
OK	More Options								
OK	Click this to show a menu containing additional options. This includes the ability to move graphs/reports to								
	another Data Vie	wer.							
	P								
	More Opti								
	Select All								
		Maye to new Data Viewer							
	Nove to new Data viewer								
		Copy to new Data Viewer							
		Close Selected							
		close selected							
		Close Unselected							
	_								

# 2.15 Set default time grouping (clock icon)

The clock icon on the Main Window toolbar allows a user to modify the default time grouping on all iDoctor time-based graphs. Many groupings are available and make it easier to get a summarized view over larger volumes of data. It is often not feasible to scroll through many pages of data or try to graph thousands of points on a single screen.

To enable this option, press this <sup>(i)</sup> button and a list of options will be shown. Picking the desired grouping will change the current default value for the time interval size. The current default setting will be shown in bold font.

<b>()</b>	
	Collected interval size
	1/100th second intervals
	1/10th second intervals
	1 second intervals
	5 second intervals
	10 second intervals
	15 second intervals
	30 second intervals
	1 minute intervals
	5 minute intervals
	10 minute intervals
	15 minute intervals
	30 minute intervals
	1 hour intervals
	4 hour intervals
	8 hour intervals
	12 hour intervals
	24 hour intervals
	Monthly intervals
	All data
Clock	k icon menu

Note: This same preference may also be set using the Preferences -> Display -> Default time grouping setting.

# 2.16 SQL Tables

The SQL tables folder in iDoctor is used to manage and work with the SQL tables generated by iDoctor analyses. This view organizes each type of SQL table into its own folder called "Analysis Output". This allows the user to more easily merge, graph and compare results from these tables by selecting the ones of the same type across different libraries and collections.

IBM i Connections iDoctor Message View 2	2 Idoc730: Job Watcher 🛛		
🕰 2 Idoc730: Job Watcher			
Job Watcher     Job Watcher     Libraries     Definitions	Analysis output	Description	Number of tables
<ul> <li>Data repository</li> <li>SQL tables</li> <li>Monitors</li> <li>FTP Definitions</li> <li>IBM i Explorer</li> </ul>	<ul> <li>Collection Summary</li> <li>Collection Summary - Threads/Tasks List</li> <li>Collection Summary - QRO hash</li> <li>Collection Summary - Workload capping</li> <li>Collection Summary - Actives and idles</li> <li>Collection Summary - Last active join file</li> <li>Collection Summary - Last active join file</li> <li>Collection Summary - Create Indexes</li> <li>Situational Analysis</li> <li>Thread Totals by Collection</li> <li>Job Totals by Collection</li> <li>Generic Job Totals by Collection</li> <li>Job Totals</li> <li>Generic Job Totals</li> <li>Generic Job Totals</li> <li>Call Stack Summary</li> <li>Lock Trace</li> <li>Clients and Workers</li> <li>Long Transactions</li> <li>Duplicated Graphs</li> <li>Collection Summary by TDE type</li> </ul>		9 6 1 6 143 6 2 2 2 2 2 2 2 2 2 2 38 2 4 1 5 1
	a modules waiting		

Some analyses such as the Collection Summary, generate more than one SQL table. In those cases, you may see an Analysis Output folder for each SQL table generated by the analysis.

The SQL tables interface is also available under each library shown, and under each collection. This filters down the SQL tables to only include those in the current library (and/or collection.)

## 2.16.1 Analysis Output

Within each analysis output folder will be a list of SQL tables found on the system that match the output folder you are working with.

•		·					
	IBM i Connections iDoctor Message View 2	Idoc730: Job Watcher	×				
	😼 2 Idoc730: Job Watcher						
1	🖃 😼 Job Watcher	Description	Collection	Collection	Summarized?	Collection status	Data ready
	Elbraries		library				
;	- Refinitions	Interval summary file	IBMPEX1	COPY	Yes	Ready	SUM, SIT, SQLA, IS
	Data repository	Interval summary file	TS136991BA	SPLIT	Yes	Ready	SUM, SIT, WLC, QRO, SQL, IS
	SQL tables	🖽 Interval summary file	IBMPEX1	IBMPEX01	Yes	Ready	SUM, SIT, SQLA, IS, CW
20	Collection Summary	🖽 Interval summary file	IBMPEX1	IBMPEX01	Yes	Ready	SUM, SIT, SQLA, IS, CW
	Collection Summary - Threads/Tasks List	Interval summary file	DEMO2	QUERYPERF	Yes	Ready	SUM, SIT, SQL, IS, CW
	Collection Summary - ORO hach	Interval summary file	DEMO2	QUERYPERF	Yes	Ready	SUM, SIT, SQL, IS, CW
ł.	Collection Summary - QRO hash	Interval summary file	DEMO2	QUERYPERF	Yes	Ready	SUM, SIT, SQL, IS, CW
	Collection Summary - Workload capping	Interval summary file	FLTEXAMPLE	IBMPEX01	Yes	Ready - Missing: SQL	SUM, SIT, IS
	Collection Summary - Actives and idles	🖽 Interval summary file	QJWDATA	Q020140150	Yes	Ready	SUM, SIT, PC, J9STK, AGP, J9, SQLA, SKTC, IS
s	Collection Summary - Last active join file						
	Collection Summary - Create Indexes						
10	Thread Totals by Collection						

Double-click a table to view it.

### 2.16.1.1 Menu Options

Right-clicking one or more SQL tables shows the following menu options:

	Open Table(s)
	Opens the desired SQL tables in the Data Viewer.
:	Record Quick View
•	Lists the information about the selected SQL tables vertically in a new window.
	Open merged table
	This option will be a report that combines all the selected table's data into 1 report. The data is simply
	UNIONed together and is not summarized.
	Create merged table
	This option allows you to build a new table from the contents of all selected tables. You will be prompted for
	the name and library for the new table.
$\times$	Delete
	This option lets the user delete the selected SQL table(s).
2	Properties
6	Displays property information for the SQL table.

## 2.16.2 Deleting

The SQL tables can be cleaned up (deleted) if desired by right clicking the selected analysis output folders and using the Delete... menu. You can also select multiple folders when doing this action if desired.

	Analysis output			Description
	Active Collectio	on Summary		Summarizes Jo
	📙 Active JVM ana	alysis		Access this from
	🔋 Call Stack Sum		Contains all un	
	📙 Change sensiti		Modifies custo	
	Collection Sum	Summarizes Jo		
	Collection Sur	es	Active (TDE file	
	🔒 Collection Sur	Explore	file	Identifies for ea
	🖪 Collection Sur	Tells the GUI if		
	🖪 Collection Sum	List	1 record per ta	
es i	📙 Collection Sum	mary - Workload cap	ping	Tells the GUI if

**Tip:** To delete all iDoctor created SQL tables on a system, right-click the SQL tables folder itself under the Root Folder and use the Delete... option. This deletes all SQL tables for the current component on that system.

# 2.17 Connection Status View

This interface displays information about \*most\* connections used by iDoctor excluding any SSH connections. The types of connections shown are those for QZDA\* (ODBC), QZRC\* (Remote commands and program calls) and QTFTP\* (File transfer jobs.

Connection Status 🗵								
System	Туре	Connection index	Description	Status	dof		Last used	Last command
√ <sup>®</sup> idoc730	RC	0	GUI	Active	QZRCSRVS QUSER	752587	2025-03-20-10.24.35.400	Program call QSYS/QLZARTV took (78 ms)
₽ <sup>®</sup> idoc730	RC	1	Component view	Active	QZRCSRVS QUSER	752591	2025-03-20-10.05.02.833	QSYS/CALL PGM(QIDRGUI/INITJOB) PARM('0'
/ idoc730	FTP - WININET (unsecure)		GUI	Active				
J idoc730	ODBC	0	GUI	Active	QZDASOINITQUSER	752589	2025-03-20-10.05.00.580	
₽ idoc730	ODBC	1	Component view	Active	QZDASOINITQUSER	752590	2025-03-20-10.05.03.074	
local_idoctor_jw	ODBC	0	GUI	Active			2025-03-20-10.05.00.581	SELECT * FROM PROCEDURES WHERE PROG
✓ local_idoctor_ui	ODBC	0	GUI	Active			2025-03-20-10.05.00.650	SELECT * FROM COLUMNDESCS ORDER BY
1								

# 2.17.1 Menu Options

Right-clicking a connection shows these options:

	Display Job Log
	Shows the job log for the selected connection. Only applies to IBM i connections with a Job value listed.
	Active job options
	These options let the user view or search job logs, end jobs and more.
	Copy Selected Commands to Clipboard
	Copies all selected "last command" values listed in the entries selected to the Windows Clipboard.
2	Properties
<i>(</i>	This shows the Connection Properties window.
	Tip: This is the default action if double-clicking a row.

## 2.17.2 Connection Properties

This interface is shown when double-clicking a connection in the Connection Status View.

It mostly exists to make it easier to see and/or copy and paste the last SQL statement or command executed.
Connection properties					×		
Type: RC	System: ic	doc730					
Index: 30	Job: Q	ZRCSRVS QUSER	758111				
ast command (or SQL statement):							
QSYS/CALL PGM(QIDRGUI/INITJOB) PARM('0')							
Copy			ĸ	Cancel			
Type Identifies the type of connectior	ו which can be these	possible val	ues:				
	SOI atatamanta If th	a avetam ia	on IDM	i thia maa	na a 07		runnin
to serve it or this is a local (mdt	o database) connection	on if system i	is name	d local_id	octor_*.	DA JUD IS I	umm
RC – A QZRCSRVS IBM i Acce	ess Client Solution re	mote comma	ands or	orogram o	alls.		
FTP – This is for file transfers.							
Note: SSH connections are not	listed in this interface	<mark>e.</mark>					
System							
Identifies the system associated	3 with this connection	I. IT THIS IS IO	cal_idoc	ctor_^, the	n the sys	stem is the	PC.
This is a number associated with	th the connection. Si	nce the GUI	offers m	nultithread	led view:	s, several	
connections are needed to avoi	d hanging while perfo	orming work.					
0 - Main GLII thread Anything	running in this conne	ction taking a	a lona ti	me will ha	na the G		
1, 101, 201, etc - Component v	iews	otion taking t	a long ti				
2 - Remote Command Status V	iew or Remote SQL	Statement St	tats Viev	N			
3, 103, 203, etc – Interval Deta	Is/Interval Summary	interface					
Job	i graph/table						
The name of the job servicing the	he connection (if syst	em is an IBN	/i.)				
Last command (or SQL state	nent)	tod by the		~			
	Statement execu	the by the CC	nnectio	11.			
This copies the data on the scre	een to the windows c	lipboard in te	ext form:	at			

# **3 Component Views**

Component views are the primary means of working with any of the iDoctor components. You can have as many component views open within a Main Window as desired.

IBM i Connections iDoctor	r Message View	2 Idoc730: Jok	Watch	er 🗙					
2 Idoc730: Job Watcher									
🐻 Job Watcher	Collection	Summarized?	Status	Ending	DB	Day	Start time	End time	LP/
🖶 🛄 Libraries				reason	VRM		V		
🖶 🛄 Abjw									
🖅 🏫 Demo2	SQL tables								
🕀 🏫 Filegen	JOD Summary	Voc	Roady	Ended by user	7 2	Thursday	2010-04-25-00 42 50 102000	2010-04-25-10 06 22 222000	cv.
🗉 🏫 Fltexample	QUERTPERF	res	Ready	Ended by user	7.5	mursuay	2019-04-25-09.42.50.102000	2019-04-25-10.06.23.223000	51
🗉 🏫 Fltex2									
🗉 🏫 Ibmdk2									
🗉 👬 Ibmjw									
🗉 🚮 Ibmpex1									
🗉 🏫 Ibmpex2									
🗉 🏫 Ibmpex3									
🗉 📗 Qidrdata									
🗉 🐌 Qjwdata									
🗉 👬 Ts059608ad									
🗉 🜗 Ts136991ba									
🗉 🚮 Ts6781142									
🗉 췕 Ts99ab									
🗄 🔁 Data repository									
🗄 📑 SQL tables									
🗄 📑 Monitors									
- 💇 FTP Definitions									
BM i Explorer									

Component views look and feel consistently across the various components. The tree represents the hierarchy of options available within the component you are using.

Under the libraries folder, you will find all libraries on the system that contain data for the component you are working with. Under libraries you can find collections, and the reporting options available within. Your current selection in the tree is always displayed in the list portion of the tree/list.

**Tip:** Because of the tendency to deal with large amounts of data and a desire to have the client perform optimally (reduce network traffic, etc.), refresh has been implemented in a way unlike most other

applications. The refresh toolbar button or menu will refresh only the contents of the selected tree branch. For example, if a library is selected in the tree, only the contents of the library will be refreshed, not the list of libraries in the tree. Refreshing the list of libraries would require selecting the folder above the list of libraries (typically the Libraries folder.)

# 3.1 Menu Options

The menu options when right-clicking the root folder in the tree for an IDoctor component are:

Open
This expands the component and shows the available options.
Active Data
The Active data menu provides the ability to access commonly used graphs or other functions for the
currently running Job Watcher monitor collection or Collection Services collection.
Open Knowledge Base
This opens the Knowledge Base component on whatever system in the list of IBM I connections defined as
the default system (with a checkmark icon next to it.) This is a repository for storing your notes about
performance data captured in iDoctor.

<del>.</del>	Open new Data Viewer
	Opens an empty Data Viewer.
0	Find Collections
	This option displays the Find Collections interface which provides the ability to look for collections matching
	user-defined characteristics. Example SQL statements are provided.
	The results of these queries are available under the IBM i Explorer -> Find collections results folder.
	Set User-Defined Reports Database
	This option allows a user to load/use another user's iDoctor user-defined reports/graphs that they have
	previously created. When saving user-defined reports these are saved into the specified database. This can
	either be an IBM i library or a local database on the PC (MDB file).
	To find the current user-defined reports DB settings, either use this menu option or see the application
	properties (Help -> About menu) and then look for the "User-defined reports DB" location.

-	
4	Clear GUI Cache
<b></b>	This option deletes most temporary data loaded in the GUI's memory. This includes things like preferences,
	column orderings, reports and graph definitions, stored procedure information and more.
C	Work with iDoctor scheduled jobs
U	This option will navigate to the Work management -> Scheduled jobs folder under IBM i Explorer.
	Collections Database
	These functions allow you to work with the <u>Collections Database</u> which is used to keep track of collections on
	the system.
2	Properties
<i>•</i>	Displays basic information about the component including build level information.

**Note:** Additional options will also appear but are discussed in the documentation for the component you are working with.

# 3.2 Active Data

These options allow you to work with the currently running Job Watcher collection **<u>if using STRJWMON</u>** to collect data or the current Collection Services collection **<u>if CS</u>** is active.

Note: These options will fail with an error if JW and/or CS is not running.

The **Active data** menu options will vary if currently using <u>Job Watcher</u> or <u>Collection Services Investigator</u> and shows the options for the current component being used first.

Job Watche	Idoc730	'n	Start time
🖃 🚮 Dem	Open		
🔤 🔤 🔤 🔤	Active Data	🕨 🔟 Collection overview ti	me signature
🗄 🖻 Data rep	🗹 Add Definition	Dispatched CPU ranki	ngs by thread
• Monitor	🔓 Start Collection	👫 Graph Job(s)	
👰 FTP Defi 🕯	🌮 Start Monitor	🔎 Search	
🗉 🔜 IBM i Ex	Prepare Library	🗓 Generate Reports	
C	Open Knowledge Base Open new Data Viewer Ctrl+N	Collection Services	•

If not using either, then Collection Services options are shown first.

⊡ · 🕞 Disk Wa	Open	tion	Start End	LPAR		Owner	Collectio
Defir	Active Data	10	Collection ove	erview	time sig	gnature	- 1
B SQL 🗹	Add Definition		Dispatched C	PU ran	kings b	y thread	
🗄 📑 Mon	Start Collection	ĸ	Graph Job(s).				
🔮 FTP l 💕	Start Monitor	$\left  \right\rangle$	Search				
	Prepare Library	1	Generate Rep	oorts			
	Open Knowledge Base		Job Watcher				•

**Tip:** These functions are described in more detail in the documentation for <u>Job Watcher</u> or <u>Collection</u> Services Investigator.

	Collection overview time signature
	This option will open the Collection overview time signature graph for the actively running collection in either
	JW or CSI.
	Dispatched CPU rankings by thread
	This option will graph the jobs in the currently active collection showing the ones using the most CPU first.
Š	Graph Job(s)
ilii	The Graph jobs function is used to select a job from the currently active collection and then pick and graph
	from any graph available the job's data over time. See the documentation for Job Watcher or Collection
	Services Investigator for more details.
	Search
<b>~</b>	The Search function is used to find something of interest in the currently active JW or CS collection.
	General reports
	This function is used to produce a report by choosing which graphs or reports to run against the active
	collection and then a single HTML or PDF output file is created.

# **3.3 Properties**

The Properties for the component have a similar interface for each of the iDoctor components. This interface contains high-level configuration settings such as: the build levels, configuring iDoctor job run priorities or listing any missing PTFs. Access this interface by right-clicking the component icon (root folder) and using the Properties menu.

## 3.3.1 General

An example of the General property page for Job Watcher is shown below:



The following information is supplied within the General tab of this window:

Client Version Information	Description
Client Cnnnnn	The client build number installed is listed near the top of this window.
Build timestamp	The date/time the build was produced.
IBM i access	The installed VRM and service pack level for IBM i Access Client Solutions with the windows application package!
.NET version	The version of .NET installed. If not updated to the required levels, then some of the FTP functions will not work.
Java version	Information about the level of Java installed. If not installed, then the user will be unable to use the SSH connections required in the Power Connections component.

iDoctor exe location	The directory and filename for the iDoctor GUI application.
iDoctor temp	The directory where temp files and some log files created by iDoctor are stored.
directory	
iDoctor application	Files needed by iDoctor are stored in this directory.
data directory	
User-defined	This value displays the location of the user-defined reports database.
reports DB	
Copy Info	This option will copy the data on this window to the clipboard as text.
System Info	This option will display the Windows System Information utility.
iDoctor GUI install	A list of all iDoctor builds installed on the PC. This can be used to tell which build
history	level was previously installed. This information is only removed if the user presses
	the Wipe install info button.
Wipe install info	This will remove information from the Windows registry that provides the iDoctor GUI
	install history.
Report problem	This will open the default email program on the PC to send an email to
	idoctor@us.ibm.com for support purposes. This provides debug information
	automatically in the email generated and is recommended!

Server Version	Description				
Information					
LPAR name	The system that the current component view is connected to.				
IBM i	The version and release of IBM i on the system.				
Type-model	The type and model of the system.				
Processor Group	The processor group of the system.				
Build	Build number of this component installed on the server side.				
	Note: We now prefer to reference server builds by date instead of build number when				
	contacting support.				
Build timestamp	The date/time the server build was produced. This value is shown in yyyy-mm-dd-				
	hh.mm.ss format.				
PEX access code	The last PEX Analyzer access code applied on this system.				
JW access code	The last Job Watcher access code applied on this system.				
PTF levels	This lists information about the JW PTFs installed (if working with Job Watcher), or				
	the PEX PTFs installed (if working with PEX Analyzer).				
Stored procedure	This provides a list of iDoctor stored procedures and their versions installed in the				
versions	QIDRGUI library.				

# 3.3.2 iDoctor Client Jobs

The following is an example of the iDoctor Client Jobs interface:

General <b>iDoctor client jobs</b> Se	General <b>iDoctor client jobs</b> Server configuration					
OK Canc	el					
The options below effect all established a CHGJOB comm	The options below effect all jobs created by the client for database and remote command/program access established a CHGJOB command will be issued with the appropriate settings.					
This can be very useful if you	are working on a critio	cal problem and need to make sure the client jobs are g				
Run priority:	*SAME	1-99, *SAME				
CPU time slice:	*SAME	1-9999999 milliseconds, *SAME				
CCSID:	37	1-65535, *SAME				
Log CL commands:	Log CL commands: SAME					
Remove libraries above QSYS in the library list (requires *ALLOBJ.)						

This page lets you set the run priority and CPU time slice of all iDoctor client jobs. You can increase the run priority of the jobs that execute SQL statements that perform real-time analysis using the iDoctor GUI. This should only be set by advanced users and does require that the user profile you are connecting to the system with has \*JOBCTL special authority. You must shut down the client and restart for any changes made on this screen to take effect.

	<b>Run priority</b> Effects the run priority of all QZDASOINIT and QZRCSRVS jobs created by the iDoctor GUI. After the connections are started, the client will attempt to issue a CHGJOB command to adjust its run priority.
	CPU time slice
•	Specifies the maximum amount of processor time (in milliseconds) given to each thread in the job before
	other jobs on the system are given an opportunity to run.
	CCSID
A.	The CCSID the job(s) should run under. Typically this should be set to 37 for best results.
	Log CL commands
-	Indicates if CL commands should be logged to the job log or not (when possible.)
	Pomovo librarios abovo OSVS in the library list
	Remove indices above QOTO in the indice instance of the indice of the in
	Use this option if you have other libraries above QSYS that have unexpected implementation of IBM I
	commands causing the GUI functions to fail. This option requires *ALLOBJ authority.

### 3.3.3 Server configuration

The following is an example of the Server configuration page.

General iDoctor client jobs Server configuration	
OK Cancel	
Subsystem: QSYS/QIDRJW	Properties Active
Job queue: QGPL/QIDRJW	Properties
Default job run priorities:	
Running collections (if applicable):	1 1-99
Analyzing collections (running in batch jobs only):	50 1-99

The subsystem and job queue used for batch jobs created by iDoctor is shown on this page.

If any of the required PTFs are not installed, they will be listed on this screen at the bottom. It's not recommended to run collections until these PTFs are installed.

The default run priorities used when running collections and analyzing collections are shown and may be modified if desired from this page.

**Note**: The analyzing collections value only applies when running the analyses in batch instead of a QZDASOINIT client job. Use the iDoctor client jobs tab to affect the priority of the analysis process at those releases.

## 3.4 Select Fields Window

The Select Fields Window is a generic way to work with the fields shown in the list portion of a tree/list view. This window is available via the 'Select fields...' menu from any objects that has Select Fields enabled. Not all folders in the tree have Select Fields enabled.



👔 Select fiel	ds for Libraries					X
To reorde field for e	r fields drag an ach view cannot	d drop to the desired po be reordered or hidder	osition. Only checked fields will be visible. n.	Note: The first	ОК	
					Cancel	
	Firs	t field: Library Name				
Additional	l fields:			Default	Toggle	
Show?	Field	Description				
	LIBSTATUS	Status	4			
	DESC	Description				
$\sim$	STARTTIME	Start time				
	ENDTIME	End time				
	SYSNAME	LPAR				
	SYSOSVRM	LPAR VRM				
	OWNER	Owner				
	COLCOUNT	Collections				
	TYPES	Collection types				
	COLDESC	Collection desc (max)				
	STATUS	Collection status (max)				

Any changes you make are saved to your PC's registry and reused the next time you open the view you are working with. To restore to the iDoctor-ship default ordering click the "Default" button. The "Toggle" button is a fast way to toggle the show checkbox for several selected fields in the list at once. To select multiples, hold down the ctrl or shift key while clicking your mouse on entries in the list.

	First field
	Lists the first field in the list. It cannot be removed or changed.
OK	Default
2	Discards all changes and reorders the list of fields to the IBM-shipped defaults.
OK	Toggle
OK	Hides or shows the selected fields in the list by toggling the checkbox.
	Additional fields list
	List of available fields to include. You can press the space bar or click the Toggle Selected button to
	check/uncheck the box for the selected fields.
	Use drag and drop to reorder the fields in the list.

# 3.5 Libraries Folder

Most components in iDoctor contain the Libraries folder. This folder displays all libraries on the system that contain applicable data for the component you are working with.

Use the <u>Filter Pane</u> at the top of the interface to control which libraries appear in the listing. Several options are available to filter by partition name, library name or library description.

Filter							Д.
System (IBM i): Idc Libraries: A Collection name: A	c730 L L De	sc *ALL	Component:	Job Watcher (JW) Freeze *ALL	✓ R ✓ Old d LPAR *ALL	eset Search ata New results	Create Report ) Verify procs
BM i Connections	Objects Active jobs 2 Idoc730: Job Watcher	Find	]				- U X
Job Watcher	Library Name Z	Status	Description	Start time		End time	LPAR LPAR O
Definitions     Data repository     SQL tables     Monitors     Monitors     Monitors     Monitors     Monitors     Monitors	لللله Abjw المراجع Demo2 المراجع Filegen المراجع Filex2 المراجع Filex2 المراجع Demok2 المراجع المراجع الم المراجع المراجع المراجع المراجع المراجع ا مراجع المراجع ال مراجع ا	Old Old Old Old Old Old Old	JW education slides - DO NO JW education slides - DO NO Created by QMGTOOLS	2024-09-1 T DELETE2 2019-04-2 2022-09-2 T DELETE 2020-06-1 2020-06-1 2018-01-3 2021-05-2 2023-06-2	1-15.51.37.455000 5-09.42.50.102000 9-12.04.27.698000 3-02.50.17.033000 3-02.50.17.033000 0-11.31.29.259000 5-07.08.50.088000 1-10.45.46.364000	2024-09-11-15.52.17.649000 2019-04-25-10.06.23.223000 2022-09-29-12.04.37.722000 2020-06-13-02.53.11.659000 2020-06-13-02.53.11.659000 2018-01-30-12.31.22.760000 2021-05-25-08.08.35.453000 2023-06-21-10.46.06.520000	IDOC730         730         F           0         SYSTNAME         730         N           0         IDOC730         730         F           0         IDOC730         730         F           0         SYSTNAME         730         N           0         SYSTNAME         730         N           0         SBMINDC2         730         N           0         LOC730         730         F           0         IDOC730         730         F

## 3.5.1 Menu Options

The Libraries folder (when right-clicked) provides the following menu options:

	Bookmarks
	If bookmarks have been defined for the Libraries folder they will appear under this option.
	Find Collections
	This option displays the Find Collections interface which provides the ability to look for collections matching
	user-defined characteristics. Example SQL statements are provided.
	The results of these queries are available under the IBM i Explorer -> Find collections results folder.
	Select fields
UNAU	This option allows you to modify the columns shown in this folder.
	Upload
	This allows data to be sent to the IBM i (typically a SAVF containing performance data.)
	Add Bookmark
X	This is used to bookmark the Library folder using whatever filters appear above in the Filter Pane.

### 3.5.2 Fields

This section discusses the columns shown within the Libraries folder.

The columns with a (\*) are shown by default. The other columns can be added by right-clicking the <u>Libraries</u> folder and using the <u>Select Fields...</u> menu.

**Tip:** If many fields are shown blank, then the collections database should be refreshed using the **Collections database -> Refresh all** menu from the root folder in the component view interface. This database is cleared after each reinstall of the server builds.

Field	Description
Library name (*)	Library that contains performance data matching the component you are using.
Description (*)	Library description
Owner (*)	Note: This is the owner of the table being searched (i.e. QAPMCONF for CS, or
	QAPYJWRUNI for JW) and not the library *LIB object in QSYS.
Collections (*)	Number of collections in the library (as of last refresh.)
Collection types (*)	This is a comma separated list of collection types found in the library.
	JW – Job Watcher
	CS – Collection Services
	DW – Disk Watcher
Partition collected on	The VRM of the system where the data was captured.
	The second of the second se
Partition collected on	I he name of the system where the data was captured. This is a max value and if
() Stort time (*)	The start time of the aldest collection in the library
Start time ()	The start time of the newsest collection in the library.
	The end time of the newest collection in the library.
Collection desc	The max collection description value from the list of collections in the library.
(max) ( )	The may status from the list of collections in the library. This indicates if any evidence
	The max status from the list of collections in the library. This indicates if any childan
(max) ()	uala is missing, and pulling your mouse of a value in this column will shown if any
Data ready (max) (*)	This column indicates which types of data has been cantured and in some cases it
	indicates which iDoctor analyses have been ran. For more information about the
	values shown, use a flyover which will translate the codes into a more meaningful
	description.
	Data ready (max) ASP
	STI, VP, FS, TL, PC, J9 T
	S FS SIT - Situational analysis
	VP VP - CPU -> Virtual processor graphs
	SU FS - Disk -> free space map
	TL - System -> TLBIEs
	PC - SQL plan cache
	J9 - JVMs
ASP (*)	This identifies the ASP information applicable for each library.
Created by	The user profile that originally created the library.

# 3.6 Library Folders

Each library folder in iDoctor has a set of common menu options available which are described in more detail in this section.

# 3.6.1 Menu Options

	Open
	Show the collections within the library.
0	Find Collections
	Displays the Find Collections interface and presets the library filter to match the current one.
	Select fields
	Displays the Select Fields Window. This allows you to configure and reorder the fields that are displayed
	when showing the list of collections within a library.
	Download
	This is used to save the selected library to a save file then download it to the PC.
	Upload
Т	This option is used to upload a save file to a library.
	Copy

9	Allows you to copy the library's contents into a new library or into an existing one.
8	<u>Save</u> This option lets you save the library's contents into a save file on the server.
	Transfer to an IBM i
	Allows a user to transfer one or more libraries to another IBM i

$\propto$	Clear This option clears a library (deletes all objects in the library).
	Clear Server Cache
	This option clears the iDoctor cache that keeps track of collections. It is sometimes helpful to use this if the
	collections show incorrect status information such as missing files or analyses data is not being displayed
	correctly.
$\mathbf{x}$	Delete
	Deletes the library.
-1	<u>Rename</u>
Ē'n	Renames the library.

	Locks
	This provides options to view the jobs locking the library or all object locks in the library.
Y	Properties
	Displays the property pages for the library.

Depending on the component, library folders may have additional options.

## 3.6.2 Find Collections

This option appears in Job Watcher, Collection Services Investigator, Disk Watcher and PEX Analyzer. Access it by right-clicking the component icon (or library) and choosing the Find Collections menu. It provides the ability to search a system or specific libraries for performance data of interest based on userdefined criteria. Example SQL statements are provided and cover the most needed scenarios.

This interface creates a single member SQL table in the Output library specified. These results are shown within the IBM i Explorer -> Find collections results folder and will be executed in the <u>Remote SQL</u> <u>Statement Status View</u>.

**Note:** Depending on the number of collections on the system, this option could run for several minutes or even hours.

E Find Collections			×
This option builds a table of data using the SQL SELECT statement provided but for all o system matching the library filter.	ollection	s on the	
Use the < <libname>&gt;, &lt;<mbrname>&gt; parameter markers for library, collection name</mbrname></libname>	S.		
Collections library filter:			
Examples: Collections created on LPAR X			$\sim$
SQL (SELECT statements only):			
SELECT CAST( '< <libname>&gt;' AS CHAR(10) CCSID 37) AS LIBNAME, CAST('&lt;<mbrname>&gt;' AS CHAR(10) CCSID 37) AS MBRNAME, CAST(TRIM(CHAR(S FROM QTEMP/QAPYJWRUNI_&lt;<libname>&gt;_&lt;<mbrname>&gt; WHERE CAST(TRIM(CHAR(SYSTNAME)) AS CHAR(8) CCSID 37) =  replace this string with your desired LPAR name 'IDOC720'</mbrname></libname></mbrname></libname>	SYSTNA	ME)) AS	сн
<			>
Output library: QIDRDATA			
Table description: Collections created on LPAR X OK		Cancel	

### 3.6.3 Download

The download option when used for the selected libraries will show the Transfer Data window.

ranster Dat	ta - Idoc	730							
		Destination:	PC						
		Target path:	C:\temp						
				🕑 Open	target direc	tory in File E	plorer when done		
ave option	s:								
		Target release:	*CURRENT	•	Data co	mpression:	*MEDIUM		
Data to tran	sfer fror	n Idoc730							
Library Name	Status	Description		Start time		End time		LPAR	LPAR VRM

×	<b>Destination</b> Indicates where the data will be sent. For a download operation, PC is assumed, although it could be changed here.
	<b>Target path</b> The location on the PC where the save file(s) will be sent. A save file will be created for each library name.
	Run in a command prompt window Indicates if the status of transfers should be visible in a command prompt window. Note: This only appears if the IBM i Connection's file transfer method is SSL or SSH.
	Indicates if Window's File Explorer should be opened and navigated to the path after the transfer is complete.

•	<b>Target release</b> Specifies the release of the operating system on which you intend to restore and use the object. See TGTRLS parameter for SAVLIB for more information.
•	Data compression Indicates the data compression level used. See DTACPR parameter for SAVLIB for more information.
	Data to transfer This is the list of selections made from the previous screen and indicates what will be transferred.

# 3.6.4 Upload

This option when used from a Library folder shows the Upload File(s) from PC window and fills in the target directory or library textbox with the library selected.

Press the Add button to add the files to transfer to the library and select them from the window that appears.

Upload File(s) from PC			$\times$
Target directory D (or library):	IEMO2		ок
Target lib file name: U	se first 10 characters.	-	Cancel
🗹 Binary mode	C Remember upload file list		
🗆 Run in a command prompt window			
Upload file list:	Remove All Remov	/e	Add
File C:\Users\mccar\Downloads\a.savf			

-	
	Target directory or library
	This window can be initiated from an IFS directory or IBM i library. Depending on the context the
	value will be one or the other.
	Target lib file name action
-	Only if data is being sent to a library and the file name is greater than 10 characters, then one of
	these actions will be taken to determine the file name to use:
	- Use the first 10 characters.
	- Use the last 10 characters.
	- Use the first 7 characters and a 3-digit unique number.
	Note: This only appears when sending data to a library.

<b>Binary mode</b> Check this box to have the data sent in binary mode, which should always be used unless transferring text files to an IFS directory.
<b>Remember upload file list</b> Use this option if you want the GUI to remember the list of files and repopulate the list again with the same set of files. This can be handy if sending the same files to multiple LPARs.
Run in a command prompt window Indicates if the status of transfers should be visible in a command prompt window. Note: This only appears if the IBM i Connection's file transfer method is SSL or SSH.

	Upload file list
	This is the list of files on the PC that will be transferred to the remote server.
OK	Add button
OR	Use this button to add files from the PC to the list.

### 3.6.5 Add Bookmark

Use this option to create a URL and copy it to the clipboard. This defines a bookmark within iDoctor to allow you to return to this library more easily later. The CTRL+D keyboard shortcut can be used to define a bookmark for the active folder, or popup menu option currently with focus.

The URL generated by this option starts with idoctor:// and tells your web browser to launch iDoctor and perform the desired action.

### 3.6.6 Copy

A library may have its contents copied into a new library or into an existing library by using the Copy... menu. The progress of the library being copied may be viewed using the <u>Remote Command Status</u> View.

Copy library	$\times$
This option lets you make a copy of a library into a new library. You can specify an existing library t objects into or type a new library name and it will be created. Only objects that can be copied using CRTDUPOBJ command will be copied.	o copy 🔺 g the
	v
From library: DEMO2	
To library:	
ОК Са	incel

	From library
	Displays the name of the library to be copied.
-	To library
•	The name of the library that will receive the contents of the from library.

#### 3.6.7 Save

A library's contents can be saved using the Save... menu. The progress of the library being saved may be viewed using the <u>Remote Command Status</u> View.

🔒 Save Library	×	
Library to save:	DEMO2	
Save file library:	MCCARGAR	
Save file name:	QYPPABLD	
Target release:	*CURRENT ~	
Data compression:	*MEDIUM ~	
Save	Cancel	

	Library to save
	The name of the library to be saved.
	Save file library
<b>A</b> *	The name of the library containing the save file. If the save file doesn't exist it is created. If the
	save file does exist, it will be cleared.
	Save file name
•	The name of the save file.
-	Target release
	Specifies the release of the operating system on which you intend to restore and use the object.
-	Data compression
	Specifies the data compression setting from the SAVLIB command.

## 3.6.8 Transfer to an IBM i

This option is used to save and send one or more libraries to another IBM i. When using this option, the Transfer Data window appears with the destination set as IBM i library.

ta - Idoc7	730							
	Destination:	IBM i library						•
	Target system:	Ctcdb75a - V7R5					•	
	Port:	Default	•	Secure c	onnection:	Default		-
s:								
	Target release:	*CURRENT	•	Data cor	mpression:	*MEDIUM		-
sfer from	n Idoc730							
Status	Description		Start time		End time		LPAR	LPAR VRM
Old	JW education slic	des - DO NOT DELETE2	2019-04-25-09.42.50.1	02000	2019-04-25	5-10.06.23.223000	SYSTNAN	1E 730
	s: sfer fron Status Old	a - Idoc730 Destination: Target system: Port: s: Target release: sfer from Idoc730 Status Description Old JW education slic	a - Idoc730 Destination: IBM i library Target system: Ctcdb75a - V7R5 Port: Default s: Target release: *CURRENT sfer from Idoc730 Status Description Old JW education slides - DO NOT DELETE2	a - Idoc730 Destination: IBM i library Target system: Ctcdb75a - V7R5 Port: Default Port: Default S: Target release: *CURRENT Sfer from Idoc730 Status Description Start time Old JW education slides - DO NOT DELETE2 2019-04-25-09.42.50.3	a - Idoc730  Destination: BM i library Target system: Ctcdb75a - V7R5  Port: Default  Port: Default Port: Default Port: CURRENT Data cor Ster from Idoc730  Status Description Start time Old JW education slides - DO NOT DELETE2 2019-04-25-09.42.50.102000	a - Idoc730  Destination: IBM i library Target system: Ctcdb75a - V7R5  Port: Default  Port: Default Port: Default Port: Ctcdb75a - V7R5  Secure connection: Starget release: *CURRENT Data compression: Sfer from Idoc730  Status Description Start time End time Old JW education slides - DO NOT DELETE2 2019-04-25-09.42.50.102000 2019-04-25	a - Idoc730  Destination: IBM i library Target system: Ctcdb75a - V7R5  Port: Default Port: Default Port: Default Port: Target release: *CURRENT Data compression: *MEDIUM sfer from Idoc730  Status Description Start time End time Old JW education slides - DO NOT DELETE2 2019-04-25-09.42.50.102000 2019-04-25-10.06.23.223000	a - Idoc730  Destination: BM I library  Target system: Ctcdb75a - V7R5  Port: Default  Port: Default  Secure connection: Default  Secure conne

+	Destination
	This indicates where you will be sending data to.
<b>-</b>	Target system
	The IBM i to save and restore the library(ies) to.
-	Port
	The FTP port to use for the transfer. (1-65535 are valid) Note: This is passed down to the PORT
	parameter on the FTP command on the IBM i.
	Default: 21, Secure: 990
-	Secure connection
	See the SECCNN parameter on the FTP command on the IBM i.
-	Target release
	Specifies the release of the operating system on which you intend to restore and use the object.
+	Data compression
	Specifies the data compression setting from the SAVLIB command.
	Data to transfer
	This is the list of libraries to transfer

# 3.6.9 Clear

A library's contents can be cleared using the Clear menu available by right-clicking on a library. You will be prompted to confirm in the Message bar.

ADVANCED - IDOCTOR C01770 [C:\I	DOCTOR/V2024/EXE/DEBU	32\IDOCTOR.EXE 2025-03-24-09.55	.15] CA 110-28 - [2 Idoc/30: Job	watcherj
Yes No Are you sure you wi	ish to clear the selected li	orary?		
File Edit View IBM i Wind	ow Help			
	· • • • • • • • •			
	3 📖 🖊   W 🖷 🗘 🗸			
Filter				
System (IRM i):		Compo	ant:	
Idoc/30	)	- Compo	Job Watcher (JW)	Reset Se
Librarian			_	
Libraries: *ALL		<u> </u>	Freeze	🗹 Old data 🛛 🗌 New re
	D			1919
Collection name: *ALL	Desc contains	*ALL OV	vner: *ALL	LPAR *ALL
Filter Tables / IFS / O	bjects [ 📲 Active Jobs [ 🖓	Find		
IBM i Connections 1 iDc	octor Update History 🦯 🤉	Idoc730: Job Watcher 🛛		
	Library Statu	Description	Start time	End time
	Name $\Delta$	Description		
Definitions	Abiw		2024-09-11-15 51 27 45	5000 2024-09-11-15 52 17 64900
	Demo2 Old	IW education slides - DO NOT D	ELETE2 2019-04-25-09 42 50 10	2000 2019-04-25-10.06.23.22300
	Filegen Old	str caacaton shacs borton b	2022-09-29-12.04.27.69	8000 2022-09-29-12.04.37.72200
SQL tables	Fitexample Old	JW education slides - DO NOT D	ELETE 2020-06-13-02.50.17.03	3000 2020-06-13-02.53.11.65900
Here in Monitors	Fltex2 Old		2020-06-13-02.50.17.03	3000 2020-06-13-02.53,11.65900
FTP Definitions	bmdk2 Old		2018-01-30-11.31.29.25	9000 2018-01-30-12.31.22.76000
IBM i Explorer	👔 Ibmjw 🛛 Old		2021-05-25-07.08.50.08	2021-05-25-08.08.35.45300
	Ibmpex1 Old	Created by QMGTOOLS	2023-06-21-10.45.46.36	2023-06-21-10.46.06.52000
	ስ lbmpex2 Old		2023-06-21-10.45.46.36	4000 2023-06-21-10.46.06.52000
	lbmpex3 Old		2023-06-21-10.45.46.36	4000 2023-06-21-10.46.06.52000
	11 m			

The progress of the library being cleared may be viewed using the <u>Remote Command Status</u> View.

### 3.6.10 Clear Server Cache

This option clears the Collection Database for the desired library. This data is stored in tables QUSRSYS/QAIDRLIBS and QUSRSYS/QAIDRCOLS.

It is sometimes (but rarely) necessary to use this option if the collections show incorrect status information such as missing files or analyses data is not being displayed correctly.

#### 3.6.11 Delete

A library may be deleted using the Delete menu available by right-clicking on a library. The progress of the library being deleted may be viewed using the <u>Remote Command Status</u> View.

Library Name	Status	Description	Start time	End time
) lbmpex1	N/A Old	Created by QMGTOOLS	2023-06-21-10.45.46.364000	2023-06-21-10.46.06.52000

## 3.6.12 Rename

A library may be renamed using the Rename... menu.

回) Rename Library		$\times$
	Current name: IBMPEX1	
	New name:	
	OK Cancel	

## 3.6.13 Locks -> Library

This opens the <u>Object lock info</u> folder to look for any locks on the selected library object (\*LIB object only)

## 3.6.14 Locks -> All objects

This option opens the <u>Object lock info</u> folder for the selected library showing the locks on any objects found in the library.

IBM iDoctor for IBM i

Object lock info														ņ
System (IBM i) Idoc730		•	0	bject	*ALL					Reset	Search Create Re	eport		
												port		
Object type *ALL		-	Li	orary	DEMO2				□ Nev	v results				
ASP device *			Me	mber										
Filter											Help			
🖻 Filter 📗 Tables 🥜 IFS 🌶 Objects 🍕 Ac	tive jobs 🦻 Find	🔒 Objec	t lock inf	•										
IBM i Connections 1 iDoctor Update H	listory 2 Idoc730	): Job Wa	atcher 🛛											-
	Job	Job	Job	Thread	Lock	Status	Scope	Lock	Lock	Object	Object name	Member	Member	SQL objec
BM i Explorer	name	user	number	ID				space	count	library		name	lock	type
🞰 ど System								ID					type	
Tables	OZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWTL_QUERYPERF			TABLE
Graphs	OZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWTL_QUERYPERF	QAIDR00002	MEMBER	TABLE
IF IFS /www/idoctor/htdocs/	OZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWTL_QUERYPERF	QAIDR00002	DATA	TABLE
Libraries	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWANL_DTL_QUERYPERF			TABLE
	OZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWANL_DTL_QUERYPERF	QAIDR00003	MEMBER	TABLE
	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWANL_DTL_QUERYPERF	QAIDR00003	DATA	TABLE
work management	OZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWSUM_QUERYPERF			TABLE
Active Jobs	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWSUM_QUERYPERF	QAIDR00023	MEMBER	TABLE
🗈 🍓 Server jobs	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAIDRJWSUM_QUERYPERF	QAIDR00023	DATA	TABLE
Scheduled jobs	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAPYJWINTI			
Active subsystems	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAPYJWINTI	QUERYPERF	MEMBER	
- 🗗 All subsystems	QZDASOINIT	QUSER	756980	0	*SHRRD	HELD	JOB		1	DEMO2	QAPYJWINTI	QUERYPERF	DATA	
🕀 🔓 Active JVM jobs	QZDASOINIT	QUSER	756975	0	*SHRRD	HELD	JOB		1	DEMO2	QAPYJWRUNI			
Active job queues	QZDASOINIT	QUSER	/569/5	0	*SHRRD	HELD	JOB		1	DEMO2	QAPYJWRUNI	QUERYPERF	MEMBER	
All job queues	QZDASOINI I	QUSER	/569/5	0	"SHRRD	HELD	JOB		1	DEMO2	QAPYJWRUNI	QUERYPERF	DAIA	
🕮 🚹 Output queues														
B- Spool files														
Diect lock info														

## 3.6.15 **Properties**

The library property pages are accessible by right-clicking on a library and choosing the Properties menu.

#### 3.6.15.1 General

This tab displays basic information about the library, including the type, owner and total size of all objects in the library.

eral   Cross check   Authorities   Re	port SQL   Report columns
Library name: DEMO2	Use SQL services
Description: JW educati	on slides - DO NOT DELETE2
Description	Value
Туре	PROD
Owner	MCCARGAR
Creation/Change Information-	
Created on	2019-04-30-15.39.53.000000
Created by	KEDWARDS on system IDOC730 ()
Object domain	System domain
Changed on	2025-03-19-05.17.51.000000
Storage Information	
ASP	1
Overflowed	No
Save/Restore	
Saved on	2024-05-31-09.25.45.000000
Restored on	2023-09-08-08.13.15.000000
Device type	Save File
Save command	SAVLIB
Save file	IDRDATA119
Save file library	DEMO2
Save sequence number	0
Last save size	248 bytes

Use SQL services
 This indicates if IBM i API calls (faster but less detail) should be used or SQL services to fill the list of information.

 Description
 An optional text description for the library. It can be changed by typing a new value and pressing OK.

 Data in list
 The data provided comes either from API <u>Retrieve Object Description</u> format OBJD0400 or SQL table function <u>LIBRARY\_INFO</u>. See the documentation for those functions if you require more information.

#### 3.6.15.2 Cross Check

This interface is used to validate that the physical files in the library match the same record formats as those in QSYS. This tab is only available in Job Watcher, Disk Watcher, Collection Services Investigator and PEX Analyzer.

**Tip:** If any files indicate NO in the first column, then new data should not be captured in this library.

	nondes   Report S	QL   Report columns			
OK					
Library name:	DEMO2				
his checks if the perform	iance data matche	s the files in QSYS.			
cross	Table name	Description	losys	Library	OSYS row
heck	(TABLE NAME)	(TABLE TEXT)	columns	columns	length
DK?	l	· - ·	(QSYS_COLUMNS)	(LIB_COLUMNS)	(QSYS_ROW_LENG
CROSSCHECKGOOD)					
YES	QAPYJWBKT	JOB WATCHER - JOB WAIT BUCKET MAPPING	5	5	
YES	QAPYJWIJVM	JOB WATCHER - IBM TECHNOLOGY FOR JAVA VM DATA	35	35	
YES	QAPYJWIJVS	JOB WATCHER - IBM TECHNOLOGY FOR JAVA STACK DATA	8	8	8
YES	QAPYJWIJVT	JOB WATCHER - IBM TECHNOLOGY FOR JAVA THREAD DATA	7	7	24
YES	QAPYJWINTI	JOB WATCHER - BASIC INTERVAL INFORMATION	10	10	
YES	QAPYJWJVM	JOB WATCHER - JAVA JVM SCOPED DATA	55	55	
YES	QAPYJWJVTH	JOB WATCHER - JAVA THREAD DATA	5	5	32
YES	QAPYJWPRC	JOB WATCHER - MAIN PROCESS SCOPED DATA	88	88	2
YES	QAPYJWPROC	JOB WATCHER - PROCEDURE INFORMATION	8	8	5
YES	QAPYJWRUNI	JOB WATCHER - BASIC COLLECTION & SYSTEM INFO	21	21	6
YES	QAPYJWSQL	JOB WATCHER - SQL STATEMENT INFO	18	18	32
YES	QAPYJWSQLH	JOB WATCHER - SQL HOST VARIABLE INFO	8	8	5
YES	QAPYJWSTK	JOB WATCHER - CALL STACK INFO	6	6	32
YES	QAPYJWSTS	JOB WATCHER - STATUS INFO	8	8	
YES	QAPYJWSYS	JOB WATCHER - SYSTEM DATA	23	23	
	OAPYJWTDF	JOB WATCHER - MAIN TDE SCOPED INFO	181	181	1

#### 3.6.15.3 Authorities

The Authorities tab shows a list of users that have authority to the library and each authority setting. This interface is like the DSPOBJAUT command and you should refer to that command for information if required.

Primary group: *NONE						
Data Data Delete Exec						
Yes Yes Yes Yes						
a late						

#### 3.6.15.4 Report SQL

This tab provides information about the last SQL statement ran for the component view this option was initiated from. This could be either the SQL statement to build the list of libraries or the collections within the library depending on the last action taken. This interface is mostly for IBM internal use.

If desired, there is an Open in Data Viewer button available, which allows you to view results and/or modify the SQL statement.

IBM i Connections	1 iDoctor Update History 2 Idoc730: Job Watcher	4 Job Watcher Collection Pr.,,	5 Idoc730: Library DEM 🗵	6 Idc
General Cross check A	uthorities Report SQL Report columns			
ОКС	ancel			
Description:	2 Idoc730: Job Watcher	Apply		
Details:	SQL built from iDoctor GUI			
		<b>T</b>		
SQL Statement(s):		Open in Data Viewer		
CALL QIDRGUI/QIDRJW	GRIA('DEMO2', 500, '', 0, 'STARTTOD DESC')			

#### 3.6.15.5 Report columns

This tab provides information about the columns found in the last SQL statement ran for the component view this option was initiated from. This data comes from the ODBC driver.

	IBM i Connectio	ns	1 iDoct	or Updat	te History	2 Idocī	30: Job Watcl	ner 🔰 6 Idoc730: il	Doctor Req	uests 🗡 8	ldoc730: Libr	ary DEN	102 Pro	×
Ge	eneral Cross ch	eck Au	ıthoritie	s Repor	t SQL Report	colum	15							
	01	·												
	UK													
	Description: 2 Idoc730: Job Watcher													
		·			Waterier									
	C	Details:	SQL	built from	n iDoctor GUI									
[	Column	Index	Table	Library	Base column	Base	Data type	C data type	Data type	SQL data	Description	Buffer	Display	
					name	table			(numeric)	type		length	size	
										(numeric)				
	LIB	0					CHAR	SQL_C_CHAR	1	1		11	10	
	DESC	1					CHAR	SQL_C_CHAR	1	1		51	50	
	OWNER	2					VARCHAR	SQL_C_CHAR	1	12		129	128	
	CREATEDBY	3					VARCHAR	SQL_C_CHAR	1	12		129	128	
	ASP	4					INTEGER	SQL_C_SLONG	-16	4		4	11	
	LIBSTATUS	5					VARCHAR	SQL_C_CHAR	1	12		4	3	
	AGE	6					INTEGER	SQL_C_SLONG	-16	4		4	11	
	COLCOUNT	7					INTEGER	SQL_C_SLONG	-16	4		4	11	
	TYPES	8					VARCHAR	SQL_C_CHAR	1	12		17	16	
	SYSNAME	9					VARCHAR	SQL_C_CHAR	1	12		11	10	
	SYSOSVRM	10					VARCHAR	SQL_C_CHAR	1	12		4	3	
	STARTTIME	11					TIMESTAMP	SQL_C_TIMESTAMP	11	9		16	26	
	ENDTIME	12					TIMESTAMP	SQL_C_TIMESTAMP	11	9		16	26	

# **3.7 Collections Folder**

This option no longer exists.

# **4** Collections

This section describes interface options for collections which are available for any of the components.

Collections exist under a Monitor or Library within iDoctor.

Below is an example of a list of collections in a library within Job Watcher:

IBM i Connections 1 iDoctor Update	Hi	story 2 Idoc73	0: Job Watche	r 🔺	6 Idoc730: iDoc	tor Re	quests		
- W Job Watcher		Collection	Summarized?	Status	Ending reason	DB VRM	Day	Start time	End time
<ul> <li>Abjw</li> <li>Demo2</li> <li>Filegen</li> <li>Filexample</li> <li>Filex2</li> <li>Ibmdk2</li> <li>Ibmjw</li> </ul>		3 SQL tables Job Summary QUERYPERF	Yes	Ready	Ended by user	7.3	Thursday	2019-04-25-09.42.50.102000	2019-04-25-10.06.23.2230

# 4.1 Menu Options

A collection in iDoctor has the following menu options available (right-click):

-	
	Bookmarks
	This menu may or may not appear to contain any bookmarks you have previously defined for collections of
	the type you are working with.
	Open
	Show the contents of the collection.
	Analyses -> Analyze Collection
	This shows the analyses available for the current collection. You can select one or more analyses to run.
	Also provides options for editing the situations if using CSI or Job Watcher.
	Analyses -> Run ALL default analyses
	This runs most analyses using the default options and no prompts.
	Analyses -> Run analysis
	Provides a list of all available analyses you can run against the selected collection(s.) By picking the desired
	one the analysis will run immediately (unless a prompt is required.)
	Tip: If you wish these to run in batch job rather than a QZDASOINIT job use the Preference -> Miscellaneous
	-> Always run analysis in a batch job. This requires a working FTP connection however.



<u>8</u>	Graph Job(s)
	Use this option to graph one or more jobs over time in Job Watcher or Collection Services Investigator.
	Search
	Some components allow a search capability. This typically will give you different types of data to look and a
	list of results that match the search. From the search results you will be able to drill down to retrieve more
	detail. See the CSI or Job Watcher documentation for more details.
=	Generate Reports
	This option can be used to build a report of the desired set of graphs or reports. The report consists of a
	screenshot of each graph along with its title and collection information. The reports are built into a HTML
	page and displayed in a web browser when completed.
1	Download
-	This is used to save the selected collection(s) to a save file then download it to the PC.
	Change Description
	This option is used to modify the description shown in the list for a single collection.

	Copy
	Allows you to copy the collection(s) to another location.
X	Delete
	Deletes the selected collection(s).
Ē	Rename
~	Rename the selected collection.
	Save
	This option lets you save the collection(s) into a save file on the server.
\$	Split
	Divides a large collection into 1 or more smaller collections based on time filtering you specify. This option is
	only available in the Job Watcher and PEX Analyzer components and is covered in the applicable
	documentation.
	Transfer to
	Allows a user to create a save file of the selected collection(s) and transfer it to another system, the PC or to
	IBM.

۲	Stop
	Some components will offer a function to stop an actively running collection.
	Locks
	Use this option to check for object locks against the collection files, either the OS QAPM* files if using CSI,
	QAPYJW* for Job Watcher, QAPYDW* for Disk Watcher or QAYPE* for PEX. Another option will check for
	locks against any QAIDR* in the collection library. Results are shown in the Object lock info view.
Ś	Properties
	Displays the property pages for the collection.
	Add Bookmark
	Creates a link to the component, library and collection that can be accessed later, or sent to another user.
	Use the Bookmarks Manager to customize behavior for these.

# 4.2 Graph Job(s)

This interface is found only in the Job Watcher and Collection Services Investigator and is used to graph the desired job in any collection over time. This allows a user to graph and compare 1 job with another job on the same system or any system and collection they wish.

An example follows:

👬 Graph Job(s)		×
This allows you to graph job(s) fro	om the specified collection(s).	
Job/Task/Thread #1		
System (IBM i):	Idoc730	•
Library:	DEMO2 Collection: QUERYPERF	-
Job or task contains:	Clear Browse Taskcount:	NOT SET
Graph:	Thread wait time signature for < <objdesc>&gt;</objdesc>	•
Job/Task/Thread #2 🗌		
	C Keep open Open Graph(s)	Close

-	System (IBM i)
	This is the system you are currently working with, but can be changed to another if desired.
+	Library
_	The library that contains the data you wish to graph.
-	Collection
	The name of the collection you wish to graph.

	Job or task contains
A.	This allows you to enter part of the job name to reduce results when pressing the Browse button which is
	recommended.
OK	Clear
	This just clears the text box.
OK	Browse
OR	This shows a list of jobs from the collection's data that matches the job or task filter provided (if any.)
	Taskcount
	The taskcount is the unique identifier for the job and/or task.
	It must be provided using the Browse option before using the Open Graph(s) button.

-	Graph
	This is the name of the selection over time graph to open. The parameters will be set at run-time.
	Keep open
_	Check this box if you wish to keep this interface open after pressing the Open Graph(s) button. This will let
	you open several different graphs at once into a Data Viewer more easily before reviewing them.



# 4.3 Generate Reports

This interface allows a user to generate an HTML report for the desired graphs or tables. The user can select the reports of interest, and the GUI will automatically open each report, capture a screenshot and then build an HTML page showing all the reports in a single window for review. This feature is intended to allow a user to easily save a series of graphs for comparison with other collections or for a consultant to present their findings to a client.

In most components this feature is accessible by right-clicking a collection and choosing the Generate Reports... menu option.

**Tip:** Within March 2025 builds or later users can view Generate Reports output within the GUI using the Reports component via the Filter pane.

An example of this interface is:

🗐 Generate Reports					
This allows you to build reports and sen	d them to the desired destination.		Configure	All	•
	Available: All folders		Select all	Deselect all	Add
Collections:	Description	Folder Type			
Library Collection DEMO2 QUERYPERF	rankings by generic job rankings by generic job   current user Job counts Pages allocated/deallocated Reads and writes rates Physical I/O activity rates Logical database I/O rates Job temporary storage allocations Superconsure rade and writes	Favorites Graph Favorites Graph Favorites Graph Favorites Graph Favorites Graph Favorites Graph Favorites Graph Favorites Graph			
	Synchronous reads and writes with avg/max/in-progress response times SQL statements executed SQL logical database I/O rates Included: Save	Favorites Graph Favorites Graph Favorites Graph Favorites Graph	Up Down	Remove all	Remove
	Description Folder Type No	data found.			
	Schedule Immediate			Submit	Cancel

To use this interface, select the desired reports from the list of available reports and press the "Add Selected" button to add them to the "Included reports" list. To save the list of included reports for future use, enter a name in the drop-down box next to the Save button and press the Save button.

The Configure button at the top of the screen will take you to the Preferences for the Report Generator window. These preferences control various aspect to how the reports will look and whether the resulting file generated is an HTML file or a PDF file.

After pressing Submit, each table or graph will be opened into the Data Viewer capturing a screenshot for each one. If you wish to cancel this process, close the Data Viewer while the Report Generator is running. After all reports are loaded, a file is built to show all the screenshots captured. This page will be opened with the default web browser installed on the PC. Depending on how many reports are selected this could take a long time. You can also use the Schedule button at the bottom of the window to have the graphs/reports be opened later.

OK	Configure
OK	This button opens the Preferences for the iDoctor Report Generator. This controls where the reports are
	generated and how they will look.
	This is also used to control if the reports will be emailed to someone else
-	Graph type
_	In the top right corner of the window is a drop-down list that allows the user to filter the graphs shown by type.
	The options are:
	- All
	- No rankings
	- Only rankings
	- No graphs
	Only graphs
+	Available (drop-down)
	This drop-down list provides a list of all primary folders that appear under a collection. By selecting one of
	these you will be able to filter the list of available reports to a smaller number.
	Description filter
	The textbox next to the Available drop-down allows the user to enter a text string to reduce results in the list.
OK	Select all
UK	Selects all reports in the Available list.
OK	Deselect all
OK	Unselects all reports in the Available list.
OK	Add
OK	Adds the selections to the Included list.
	Available (list)
	This is the list of available reports.
•	Included (drop-down)
•	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of
•	<b>Included (drop-down)</b> This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list.
•	<b>Included (drop-down)</b> This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists
•	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users.
•	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save
▼ OK	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop-
▼ OK	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using.
▼ OK	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete
• ОК	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list.
• ОК ОК	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down
• ОК ОК	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list.
<ul> <li>ОК</li> <li>ОК</li> <li>ОК</li> </ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all
<ul> <li>ОК</li> <li>ОК</li> <li>ОК</li> </ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list.
<ul> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> </ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Remove
	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Removes just the selected reports from the Included list.
<ul> <li>•</li> <li>•</li></ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Removes just the selected reports from the Included list. Included (list) This is the selected reports from the Included list.
	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Included (list) This is the list of reports to run when hitting Submit.
	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Remove Removes just the selected reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule
<ul> <li>▼</li> <li>○K</li> <li>○K</li> <li>○K</li> <li>○K</li> </ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule This option allows you to schedule the reports to be generated later using the Windows task scheduler.
<ul> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> </ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule This option allows you to schedule the reports to be generated later using the Windows task scheduler. Options are available to have this occur repeatedly.
	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule This option allows you to schedule the reports to be generated later using the Windows task scheduler. Options are available to have this occur repeatedly. The PC must be on, and the current user must be still logged in at the indicated date/time for this to work.
	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule This option allows you to schedule the reports to be generated later using the Windows task scheduler. Options are available to have this occur repeatedly. The PC must be on, and the current user must be still logged in at the indicated date/time for this to work. Use newest collection
	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Removes all reports from the Included list. Remove Removes just the selected reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule This option allows you to schedule the reports to be generated later using the Windows task scheduler. Options are available to have this occur repeatedly. The PC must be on, and the current user must be still logged in at the indicated date/time for this to work. Use newest collection This option appears only when the scheduling option is used. If this option is checked then when the report is
<ul> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> <li>ОК</li> </ul>	Included (drop-down) This is a list of saved lists of reports that are available. Selecting a name from the list will update the list of reports selected to the ones indicated in the list. You can define a new list by typing a name into the drop-down box and pressing the Save button. These lists are saved into the User-defined reports database which allows them to be reused by other users. Save Use this to save the list of reports in the Included drop down list for future reuse. Type a name in the drop- down list before using. Delete This removes the currently selected entry from the Included drop down list. Up/Down Use these options to move the selected reports from the Included list up/down in the list. Remove all Remove all Remove all Removes just the selected reports from the Included list. Included (list) This is the list of reports to run when hitting Submit. Schedule This option allows you to schedule the reports to be generated later using the Windows task scheduler. Options are available to have this occur repeatedly. The PC must be on, and the current user must be still logged in at the indicated date/time for this to work. Use the newest collection This option appears only when the scheduling option is used. If this option is checked then when the report is generated it will use the newest collection in the library rather than the one used to launch the <u>Report</u>

An example of a report generated by this interface follows:

D Do	ctorReport202	22-02-01-12	.24. ×	+																- 0
$\leftarrow \rightarrow$	C 0	File   C:	/iDoctor/	REPORTS	/iDoctor	Report2022-0	2-01-12.24	1.53.598.h	tml									to 1	∬≣ ( Mot sy	ncing
									Collec Idoc	ction Serv 720, Libr	ices Inv ary CSI	vestiga LABE2	tor X1							
Collection	Using Col Summ	llection ary		Status		Description	DB files VRM	Pa colle	rtition ected on /RM	Part	ition ted on	Int dur (min	erval ation nutes)	Total	collection time	Power type	Day	Start t	ime Er	d time
Q175102853	Yes	F	Ready - N FSM), L SYSPRC	Aissing: I PARH,	DISK	XYZ	7.2	7.2		IDOC7	20	5		00- 01.40.0	00.000000	<b>P</b> 7	Thursday	2016-06-23- 10.30.00.000	2016-06	-23- .000000
System inform	nation:																			
Collection	System name	Version	Type- Model	Serial number	Power type	• Marketing model	Energ managen mode	gy nent e P	ocessor ominal quency Hz via CRM)	Processon nominal frequency (GHz)	Process featur	sor de re pro	On emand ocessor cores active	On demand processo cores available for purchase	l On or demand processo e cores maximur e	Assigr process core	and processors count s phys mach	lled ssor t for ical ine	l Processor ors sharing/cappe	Processor variable speed
Q175102853	IDOC720	V7R2M0	9117- MMB	10- 2709P	<b>P</b> 7	770	nominal	3.5	000	3.501	4980	48		0	48	1	48	1	Yes/No	Yes
1600 1400 1200 (90 90 90 90 90 90 90 90 90 90 90 90 90 9					SLABE		2853/Col		vervi						100 90 80 70 Utilization (%) 30 20 10 0		orted on: IN ituations (Ba il situations) Jone 1) Other LPA 1) Situationa 1) Situation	TENDSTR ckground) R data not avai analysis not ra s) s) time (Collected s (Bars) PU (seconds) (1) uits (seconds) (2) (seconds) (1) uits (seconds) (1) uits (seconds) (1) uits (seconds) (1) uits (seconds) (1) i gate serializati on (seconds) (1) g ate serializati on (seconds) (1) s (seconds) (1) g ate serializati on (seconds) (1) s (seconds) (1) g ate serializati on (seconds) (1) s (seconds) (1) s (seconds) (1) g ate serializati on (seconds) (1) s (sec	lable interval size) (INTEN EAC2) IME01) (seconds) (TIME03) ond) (TIME03) 9) 01 (seconds) (TIME15) 01 (seconds) (TIME15) 01 (seconds) (TIME15) (titon (seconds) (TIME17) ds) (TIME17) ds) (TIME32)	DSTR) )) (6)

Report generator example - page 1



Report generator example - page 2

## 4.4 Download

This option will transfer one or more collections to the specified location on the PC.

Destination:       pc         Target path:       C\CrashDumps\         Run in a command prompt window         Popen target directory in File Explorer when done         Save options:         Target release:       *CURRENT         Data compression:         Data to transfer from Idoc730         Include all collections from library DEMO2         Collection       Summarized?         Status       Ending         PB       Pay         Start time       End time         LPAR         QUERVPERF       Yes         Ready       Ended by user         Target problem       2019-04-25-09.42.50.102000         2019-04-25-10.06.23.222000       SYSTH	Destination:       pc         Target path:       C:\CrashDumps\         Run in a command prompt window         @ Open target directory in File Explorer when done         Save options:         Target release:       •CURRENT         Data to transfer from Idoc730         Open target directors from library DEMO2         Collection       Summarized?         Status       Ending         Pay       Start time         End time       LPAR         @ QUERYPERF       Yes         Ready       Ended by user         7.3       Thursday 2019-04-25-09.42.50.102000         2019-04-25-10.06.23.223000       SYSTIN	Transfer Data - Id	loc730								×
Target path:       C:\CrashDumps\         Run in a command prompt window         Run in a command prompt window         Open target directory in File Explorer when done         Save options::         Target release:       *CURRENT         Data compression:         Data to transfer from Idoc730         Include all collections from library DEMO2         Collection       Summarized?         Status       Ending reason       DB VRM         Data       Collection         Summarized?       Status         Page       Start time         End time       LPAR         QUERYPERF       Yes         Ready       Ended by user         7.3       Thursday 2019-04-25-09.42.50.102000         2019-04-25-10.06.23.223000       SYSTH	Target path:       C:\CrashDumps\         Run in a command prompt window         @ Open target directory in File Explorer when done         Save options:         Target release:       •CURRENT         Data to transfer from Idoc730         Data to transfer from Idoc730         Collection         Summarized?         Status       Ending         DB       Day         Start time       End time         LPAR         QUERYPERF       Yes         Ready       Ended by user         7.3       Thursday 2019-04-25-09.42.50.102000         2019-04-25-10.06.23.223000       SYSTM		Destin	ation:	РС						•
□ Run in a command prompt window         ■ Open target directory in File Explorer when done         Save options:         Target release:       *CURRENT         ■ Data compression:       *MEDIUM         Data to transfer from Idoc730       □ Include all collections from library DEMO2         Collection       Summarized?       Status       Ending reason       DB VRM       Day       Start time       End time       LPAR         Image: QUERYPERF       Yes       Ready       Ended by user       7.3       Thursday       2019-04-25-09.42.50.102000       2019-04-25-10.06.23.223000       SYSTH	□ Run in a command prompt window         ☑ Open target directory in File Explorer when done         Save options:         □ Target release:         PCURRENT         ☑ Data compression:         MEDIUM         Data to transfer from Idoc730         □ Include all collections from library DEMO2         Collection       Summarized?         Status       Ending reason         ☑ VRM       Day         Start time       End time         ☑ QUERYPERF       Yes         Ready       Ended by user         7.3       Thursday 2019-04-25-09.42.50.102000         2019-04-25-10.06.23.223000       SYSTN		Target	path:	C:\CrashDumps\						
Image: Comparison of the second system of	Save options:       Target release: *CURRENT       Data compression: *MEDIUM         Data to transfer from Idoc730       Include all collections from library DEMO2         Collection       Summarized?       Status       Ending reason       DB VRM       Day       Start time       End time       LPAR         Weburger       Yes       Ready       Ended by user       7.3       Thursday       2019-04-25-09.42.50.102000       2019-04-25-10.06.23.223000       SYSTN						C	]Run in a command prompt wir	ndow		
Save options:         Target release: *CURRENT <ul> <li>Data compression: *MEDIUM</li> <li>*MEDIUM</li> <li>Totat to transfer from Idoc730</li> <li>Include all collections from library DEMO2</li> <li>Collection</li> <li>Summarized?</li> <li>Status</li> <li>Ending reason</li> <li>VRM</li> <li>Day</li> <li>Start time</li> <li>End time</li> <li>LPAR</li> <li>QUERYPERF</li> <li>Yes</li> <li>Ready</li> <li>Ended by user</li> <li>Thursday</li> <li>2019-04-25-10.06.23.223000</li> <li>SYSTN</li> <li>Start time</li> <li>Start time</li></ul>	Save options: Target release: *CURRENT   Data compression: *MEDIUM  Data compression: *MEDIUM  Data compression: *MEDIUM  Collection Idoc730  Include all collections from library DEMO2  Collection Summarized? Status Ending reason DB VRM Day Start time End time LPAR  WRM Pay Start time End time LPAR  Collection Summarized? Yes Ready Ended by user 7.3 Thursday 2019-04-25-09.42.50.102000 2019-04-25-10.06.23.223000 SYSTN						C	Open target directory in File E	xplorer when done		
Data to transfer from Idoc730       Include all collections from library DEMO2         Collection       Summarized?       Status       Ending reason       Day VRM       Start time       End time       LPAR         QUERYPERF       Yes       Ready       Ended by user       7.3       Thursday       2019-04-25-09.42.50.102000       2019-04-25-10.06.23.223000       SYSTN	Data to transfer from Idoc730       Include all collections from library DEMO2         Collection       Summarized?       Status       Ending reason       DB VRM       Day       Start time       End time       LPAR         Image: Collection       VPA       Page: Collection status       Page: Collection status       Collection status       Collection status       Collection status       End time       LPAR         Image: Collection status       VPA       Page: Collection status       Collection stat	Save options:	Target re	lease:	*CURRENT		•	Data compression:	*MEDIUM		•
Collection       Summarized?       Status       Ending reason       DB VRM       Day       Start time       End time       LPAR         QUERYPERF       Yes       Ready       Ended by user       7.3       Thursday       2019-04-25-09.42.50.102000       2019-04-25-10.06.23.223000       SYSTN	Collection       Summarized?       Status       Ending reason       DB VRM       Day VRM       Start time       End time       LPAR         QUERYPERF       Yes       Ready       Ended by user       7.3       Thursday       2019-04-25-09.42.50.102000       2019-04-25-10.06.23.223000       SYSTN	Data to transfer f	rom Idoc730				C	Include all collections from lib	ary DEMO2		
QUERYPERF Yes Ready Ended by user 7.3 Thursday 2019-04-25-09.42.50.102000 2019-04-25-10.06.23.223000 SYSTN	GUERYPERF Yes Ready Ended by user 7.3 Thursday 2019-04-25-09.42.50.102000 2019-04-25-10.06.23.223000 SYSTN	Collection	Summarized?	Status	Ending reason	DB VRM	Day	Start time	End time	LPAR	
		QUERYPERF	Yes	Ready	Ended by user	7.3	Thursday	2019-04-25-09.42.50.102000	2019-04-25-10.06.23.22300	0 SYST	T
	Transfer Cancel						Transfei	Cancel			

-	Destination
_	This defines where the selected collections will be transferred to.
	Target path
	The directory on the PC to send the collection(s) to. If a filename is not provided, then a random
	IDRDATAnnn.savf name is generated. Multiple collections are saved into a single save file.

	Run in a command prompt							
_	This option appears only if the File transfer method setting on the IBM i connection is not set to Wininet. A							
	command prompt window will appear showing the status of the transfer when checked.							
	Open target directory in File Explorer							
_	After transfer has finished, this option will open the File Explorer to show the newly transferred save file.							

	-	Target release									
ľ	_	Specifies the release of the operating system on which you intend to restore and use the object. See									
		TGTRLS parameter for SAVLIB for more information.									
I	-	Data compression									
1	_	Indicates the data compression level used. See DTACPR parameter for SAVLIB for more information.									
I		Include all collections from library XYZ									
	_	This option lets you include ALL collections from the library of the collection you opened this interface from.									
		Data to transfer list									
		This lists the collections selected from the previous screen and indicates what wil be transferred. It cannot be									
I		changed here.									

# 4.5 Add Bookmark

Use this option to copy to clipboard a URL identifying the location of the current collection. It also creates a bookmark that can be reused later when right-clicking a collection, and will appear under the Bookmarks menu.

Using this option from a collection, will bring up the iDoctor GUI on the PC and open the component, library and collection that was being viewed when this option was taken. The URL generated by this option starts with idoctor:// and tells your web browser to launch iDoctor and perform the desired action.

An example URL to open a CSI collection is:

idoctor:///viewinfo1[type=CFolderCollection,sys=Idoc720,lib=CSLABEX1,comp=CS,col=Q175102853]

# 4.6 Copy

A collection can be copied by using the Copy... menu found by right clicking on a collection within the component view.

This option will execute the appropriate iDoctor collection copy command depending on the type of collection selected. Copying a collection that is still running is not allowed. Multiple collections can be copied at the same time if desired to another library.

Copy Collection(s	i) - Idoc730							×
The collection(s)	will be copied to	o the de	sired location.					
	Copy to libra	ry:		•		New collection name:	QUERYPERF	
Collections to co	ру:							
Collection	Summarized?	Status	Ending reason	DB VRM	Day	Start time	End time	
QUERYPERF	Yes	Ready	Ended by user	7.3	Thursday	2019-04-25-09.42.50.102000	2019-04-25-10.06.23.223	Ċ
						С	opy Cancel	

-	Copy to library						
_	The library to copy the collection to. It can be the same as the current one.						
	Note: Be sure to only copy a collection to a library with existing performance data of the same OS version. If						
	not sure, it's best to copy the collection to a new library.						
	New collection name						
	The name to give the new collection.						
	Collections to copy						
	This lists the collections selected from the previous screen. It cannot be changed here.						

# 4.7 Delete

A collection can be deleted by using the Delete... menu found by right clicking on a collection within the component view.

This option will execute the appropriate iDoctor delete collection command depending on the type of collection selected. This option is not allowed if the collection is running.
The following	) objects will be d	eleted.					
Collection	Summarized?	Status	Ending reason	DB VRM	Day	Start time	
📕 СОРҮ	Yes	Ready	Ended by user	7.3	Wednesday	2023-06-21-10.45.46.364000	
			_				
						Delete Cancel	1

## 4.8 Rename

This interface allows a user to rename a single collection.

≡Į Rename Collection	$\times$
Current name: COPY	
New name:	
OK Cancel	

# 4.9 Save

One or more collections can be saved to a save file by using the Save... menu found on the collection.

	Save file library	: мо	CARGAR			
	Save file name	: A				
	Target release	: <b>*</b> CU	JRRENT	T		
	Data compression	: <b>*</b> ME	EDIUM	T		
Collections to save:						
Collection Summarized? Statu	s Ending reason	DB VRM	Day	Start time	End time	
COPY Yes Rea	dy Ended by user	7.3	Wednesday	2023-06-21-10.45.46.364000	2023-06-21-10.46.06	
□ Include all collections from library	IBMPEX1			Save	Cancel	

	Save file library
	The name of the library containing the save file. If the save file doesn't exist it is created. If the save file does
	exist, it will be cleared.
	Save file name
	The name of the save file.
-	Target release
	Specifies the release of the operating system on which you intend to restore and use the object.
-	Data compression
	Specifies the data compression setting from the SAVLIB command.
	Collections to save
	This lists the collections selected from the previous screen. It cannot be changed here.
	Include all collections from library XYZ
_	This option lets you include ALL collections from the library of the collection you opened this interface from.

# 4.10 Transfer to...

A collection can be transferred to another system by using the Transfer to... menu found by right clicking on a collection within the component view. Use the Download menu option instead to send the data to the PC. This option is only available for collections that are no longer running.

The transfer options for collections consists of the following choices:

>		Another IBM i
>		FTP server
		IBM - Testcase (Boulder, CO USA)
	-	IBM - ECUREP (Mainz, Germany)
jo		IBM - Blue Diamond Lab (San Jose, CA: IM-IES server)
_		IBM - Blue Diamond Lab (San Jose, CA: SVL server)

Picking one of these will take you to a Transfer window.

After reviewing the Transfer window and pressing the Transfer button, a validation step takes place to help detect any problems before continuing. Any errors that occur will be shown to the user. Afterwards commands will be issued on the local and remote servers to save, send and restore the data. These commands will be shown in the <u>Remote Command Status</u> View.

In the <u>Remote Command Status</u> View, if an error occurs during the FTP part you can right-click the failing part and use the Show Job Log or Show History Log options. Another option for debugging is to open an SQL Editor (either in iDoctor or STRSQL) and issue the following query:

```
SELECT * FROM QIDRGUI/FTPLOG
```

#### 4.10.1 Transfer to another IBM i

Idoc730							
Dest	ination:	IBM i library					
Target	system:	Ctcdb75a - V7f	R5			•	
Target	library:	mccargar			ASP:	1 Sele	ct ASP
		Clear remote	e library	/			
	Port:	Default		•	Secure connection:	Default	
Target i	release:	*CURRENT		•	Data compression:	*MEDIUM	
from Idoc730				C	Include all collections from libr	ary IBMPEX1	
Summarized?	Status	Ending reason	DB VRM	Day	Start time	End time	LPAR
Yes	Ready	Ended by user	7.3	Wednesday	2023-06-21-10.45.46.364000	2023-06-21-10.46.06.520000	IDOC
			ſ	Transfor	Cancel		
	Idoc730 Dest Target Target I Target I from Idoc730 Summarized? Yes	Idoc730 Destination: Target system: Target library: Port: Target release: from Idoc730 Summarized? Status Yes Ready	Idoc730  Destination: IBM i library Target system: Ctcdb75a - V71 Target library: mccargar Clear remote Port: Clear remote Target release: *CURRENT from Idoc730  Summarized? Status Ending reason Yes Ready Ended by user	Idoc730  Destination: IBM i library  Target system: Ctcdb75a - V7R5  Target library: mccargar  Clear remote library  Port: Clear remote library  Port: Target release: *CURRENT  from Idoc730  Summarized? Status Ending DB VRM Yes Ready Ended by user 7.3	Idoc730 Destination: IBM i library Target system: Ctcdb75a - V7R5 Target library: mccargar Clear remote library Port: Default Target release: *CURRENT from Idoc730 Summarized? Status Ending DB VRM Day Yes Ready Ended by user 7.3 Wednesday	Idoc730  Destination: <mark>IBM i library  Target system: Ctcdb75a - V7R5  Target library: mccargar ASP: Clear remote library  Port: Default ▼ Secure connection:  Target release: *CURRENT ▼ Data compression: from Idoc730  Include all collections from libr  Summarized? Status Ending DB VRM Day Start time Yes Ready Ended by user 7.3 Wednesday 2023-06-21-10.45.46.364000  Transfer Consol</mark>	Idoc730  Destination: IBM i library  Target system: Ctcdb75a · V7R5  Target library: mccargar Clear remote library  Port: Default  Target release:  CURRENT  Data compression:  MEDIUM  from Idoc730  Include all collections from library IBMPEX1  Summarized? Status Ending DB Day Start time End time Yes Ready Ended by user 7.3 Wednesday 2023-06-21-10.45.46.364000 2023-06-21-10.46.06.520000  Transfer

This option allows you to transfer one or more collections to another IBM i.

Destination
This indicates where the data will be transferred to. In this example this value will be "IBM i library".
Target system
This indicates which system the data will be sent to.
Target library
The library on the target system to send data to.
I he ASP of the target library. Only applies if the library does not exist and you want to create a new one an
specify this ASP on the CRTLIB command.
Select ASP
dees NOT already eviet
Indicators if the remote library should be cleared before restoring the data. Sometimes this is necessary if
evisting library contains existing performance data of the same type
existing ibrary contains existing performance data of the same type.
Port
The FTP port to use for the transfer. (1-65535 are valid) <b>Note:</b> This is passed down to the PORT parameter
on the FTP command on the IBM i.
Default: 21, Secure: 990
Secure connection
See the <b>SECCNN</b> parameter on the FTP command on the IBM i.
Target release
This indicates the release of the IBM i you intend to transfer the data to.
Data compression
Specifies whether data compression is used. If the save is running while other jobs on the system are active
and software compression is used, the overall syste performance may be affected.
Include all collections from library XYZ
This option lets you include ALL collections from the library of the collection you opened this option from.
Data to transfer
This lists the collections selected from the previous screen. It cannot be changed here.
Transfer

# 4.10.2 Transfer to FTP server

This option allows you to transfer one or more collections to a directory on another system. The collection(s) are combined into a single save file and sent to the target path specified.

Transfer Data -	Idoc730								
	Dest	ination:	FTP server						Ŧ
	Target	system:	testcase.bould	er.ibm.	com			Use IP a	ddr
	Targ	et path:	/toibm/os400/	TS1234	456789.idr.JW	savf			
			🗹 Create subdi	rectory	,				
	Use	ername:	anonymous						
	Pas	ssword:							
		Port:	Default		•	Secure connection:	Default		•
Save options:									
	Target i	release:	*CURRENT		•	Data compression:	*MEDIUM		-
Data to transfe	r from Idoc730					Include all collections from lib	rary IBMPEX1		
Collection	Summarized?	Status	Ending reason	DB VRM	Day	Start time	End time	L	.PAR
IBMPEX01	Yes	Ready	Ended by user	7.3	Wednesday	2023-06-21-10.45.46.364000	2023-06-21-10.46	5.06.520000	IDOC
					Transfer	Cancel			

-	Destination
	This indicates where the data will be transferred to. In this example, it would be "FTP server".
	Target system
	The system to transfer data to.
OK	Use IP addr
OK	This button will attempt to determine the IP address of the specified system and update the target system
	value.
	Target path
	The location and filename of where to send the data.
	Create subdirectory
	This option (if checked) will create on the target system any subdirectories required by using the target path
	specified. Otherwise the transfer will fail if the location does not already exist or the user lacks the ability to
	create directories.

**Username** The user profile to use to make this transfer.

#### Password

The password to use to make this transfer.

•	<b>Port</b> The FTP port to use for the transfer. (1-65535 are valid) <b>Note:</b> This is passed down to the PORT parameter on the FTP command on the IBM i. <b>Default:</b> 21, <b>Secure:</b> 990
_	Secure connection
•	See the <b>SECCNN</b> parameter on the FTP command on the IBM i.
+	Target release
	This indicates the release of the IBM i you intend to transfer the data to.
-	Data compression
	Specifies whether data compression is used. If the save is running while other jobs on the system are active
	and software compression is used, the overall system performance may be affected.
	Include all collections from library XYZ
0	This option lets you include ALL collections from the library of the collection you opened this option from.

	Data to transfer
	This lists the collections selected from the previous screen. It cannot be changed here.
OK	Transfer
OK	Saves and sends the data.

### 4.10.3 Transfer to IBM

These options are used to send your data to IBM for analysis. Typically, you will need a case # to associate this data with.

The options for these modes are the same as the previous section (Transfer to FTP server), except there is also an option to transfer using <u>QMGTOOLS</u>. Command FTP2IBMCMD is used. If using that then the interface looks like this instead and most of the settings are controlled through preferences.

**Tip:** In order for the \*IBMSDDUU option to be successful, your password must have been previously set on the IBM I using the GO MG menu option 25 (STORFTPPWD command.) Also, within the Send to IBM Preferences the IBM ID/password fields should be set to \*STORED and blank.

IBM	iDoctor	for	IBM i	
-----	---------	-----	-------	--

anster Data - Idoc/30							
Destination	IBM - ECUREP	(Mainz,	Germany)				
Target system	ftp.ecurep.ibm	.com					
Support Case #:	TS123456789						
Use QMGTOOLS	Туре:		*	IBMSDDUU 💌	(	Prefere	nces
ave options:							
Target release	*CURRENT		•	Data compression:	*MEDIUM		
ata to transfer from Idoc730			C	Include all collections from libra	ary IBMPEX1		
Collection Summarized? Status	Ending reason	DB VRM	Day	Start time	End time		LPAR
BIMPEX01 Yes Read	/ Ended by user	7.3	Wednesday	2023-06-21-10.45.46.364000	2023-06-21-10.46.06	.520000	IDO

-	Destination
	This indicates where the data will be transferred to. In this example, it would be one of the IBM options.
	Target system
	The system to transfer data to.
	Support Case #
	This value is copied from Preferences -> Send to IBM when the interface is opened.

	Use QMGTOOLS This indicates if the QMGTOOLS/FTP2IBMCMD is used to send the data to IBM or QIDRGUI/FTPFILE. The QMGTOOLS option is recommended.
•	<b>Type</b> These options are from command QMGTOOLS/FTP2IBMCMD and have not been well tested. *IBMSDDUU is the only option that has been tested by iDoctor support.
	Preferences
	This button allows you to visit the <u>Preferences -&gt; Send to IBM</u> interface.

-	Target release
	This indicates the release of the IBM i you intend to transfer the data to.
-	Data compression
	Specifies whether data compression is used. If the save is running while other jobs on the system are active
	and software compression is used, the overall system performance may be affected.
	Include all collections from library XYZ
)	This option lets you include ALL collections from the library of the collection you opened this option from.
	Data to transfer
	This lists the collections selected from the previous screen. It cannot be changed here.
OK	Transfer
CA	Saves and sends the data.

## 4.11 Server-side output files

Most collections provide a folder called Server-side output files. This provides access to a list of tables applicable to the current collection. This list contains both iDoctor created files and files created by IBM i performance data collection mechanisms.

You can right-click this folder and use the <u>Select fields...</u> menu to configure the list of fields shown in this list.

**Tip:** The number of records found in each table is also shown, which if 0 can help indicate a problem in some situations. This view is also used to tell if certain expected tables do not exist (and presumably did not get transferred successfully)

**Note:** For performance data like QAPYJW\* files in Job Watcher, this information applies to the member name in the file matching the collection name.

IBM i Connections 1 iDoctor Update	e His	story 🔰 2 Idoc730: Job Watcher 🛽 🛛		
		Output file	▲ Description	Records
🖨 🏫 Demo2		🖽 Qaidrjwstkjvaproci2_queryperf		0
🗉 📑 SQL tables		Qaidrjwstkjvastack2_queryperf		0
	Ш	Qaidrjwstksumkeys2_queryperf	Call stack keys	618
	Ш	🖽 Qaidrjwstksumstats2_queryperf	Call stack stats	618
B SOL tables	Ш	Qaidrjwstksumtmp2_queryperf		7,694
E Eavorites	Ш	Qaidrjwstksum2_queryperf	Call stack summary file	7,694
Waits	Ш	Qaidrjwsts_queryperf	STS file join to TDE	1,171,292
	Ш	🖽 Qaidrjwsum_queryperf	Interval summary file	281
	Ш	Qaidrjwsumcltc_queryperf	Interval summary file	0
	Ш	Qaidrjwsumcltw_queryperf	Interval summary file	0
I I I I I I I I I I I I I I I I I I I	Ш	🖽 Qaidrjwtl_queryperf	List of identified taskcounts	6,287
🕀 🗄 Page allocations	Ш	III Qaidrot	Object Type Descriptions	306
🗎 🕀 🗄 I/O	Ш	III Qaidrpcrm	Performance Capabilities Refere	348
🖶 📑 Logical I/O	Ш	III Qaidrst	Segment Type Descriptions	361
🗄 🗄 IFS	Ш	I Qapgmdescs		5,209
Image: Image	Ш	III Qapyjwbkt	JOB WATCHER - JOB WAIT BUCK	500
	Ш	H Qapyjwijvm	JOB WATCHER - IBM TECHNOLO	0
H-B SOL		H Qapyjwijvs	JOB WATCHER - IBM TECHNOLO	0
Other metrics		I Qapyjwijvt	JOB WATCHER - IBM TECHNOLO	0
			JOB WATCHER - BASIC INTERVAL	281
		III Qapyjwprc	JOB WATCHER - MAIN PROCESS	36,559
Server side output files		Gapyjwproc	JOB WATCHER - PROCEDURE INF	1,816
User defined reports			JOB WATCHER - BASIC COLLECTI	210
🖉 🕀 🖬 Filegen			JOB WATCHER - SQL STATEMENT	210
🗄 🇌 Fltexample			JOB WATCHER - SQL HOST VARI	3,190
- 🕀 🏫 Fltex2			JOB WATCHER - CALL STACK INFO	81,909
🗄 🏢 Ibmdk2				1,171,292
🖶 🏫 🚹 Ibmjw	_			201 92.250
		m Qapyjwide	JOB WATCHER - WAIN THE SCOP	02,230

# **4.12 User-Defined Reports**

When viewing collections in most iDoctor components an option called "User-defined reports" will be shown. This option allows you to show reports from your user-defined reports database but applied to the current collection. This folder contains both graph and table views.

Note: Before using this feature some graphs and/or table reports must be created first. This is typically done by modifying features of an iDoctor graph/table (either SQL statement, columns shown, labels and/or colors) and using the Graph Definition -> Save As... menu for graphs or Query Definition -> Save As... menu for tables.

🗄 📑 User-defined reports	^	Folder	Description
🕂 🖥 Graphs		🖥 Graphs	User-defined graphs
		🗄 Tables	User-defined table reports
		📙 Column settings overrides	When columns are modified their changes are saved here.
🖮 📙 Other repositories on Idoc730		B Other repositories on Idoc730	User-defined report repositories on Idoc730
D en			

#### Creating a user-defined graph 4.12.1

In CSI to create a user-defined graph showing only the QSQ\* server jobs, a user could follow these steps:

- 1. Open the Waits -> Dispatched CPU rankings by thread graph.
- 2. Right-click in the legend on the X-axis label field Job name/user/number: Thread ID (OBJNAME) and choose Add Filter...

X-axis (Lab	els)
Job name/	user/number: thread ID (OBJNAME)
Tips (P/S-	Alternate views
Primary Y	Sort
Dispatche	Edit
CPU quei	Add filter
Disk page	B 1 - 100

- 3. Type in the value **QSQ** into the box and change the Operator to **Starts with**.
- 4. Click the Add Filter button then Apply button.

5. Right-click on the graph and use the Graph -> Save As option

🖬 Sav	ve Graph Definition		×
Thi	s lets you reopen this graph later usin	g the 'User-defined reports' folder.	
	Component:	Job Watcher	-
		Replace existing	
	Description:	Dispatched CPU rankings by thread	•
		Save Cancel	

6. Update the description if desired then press the Save button

### 4.12.2 Creating a user-defined report

In Job Watcher a user-defined report showing only QAPYJWTDE file records with page fault time could be created by following these steps:

- 1. In Job Watcher, expand the server-side output files folder and open the QAPYJWTDE file.
- 2. Click the SQL button on the toolbar to view the SQL statement.

	BOL	≣ === ≣ ===	ltui	ġ.	$\sim$	9		810		
DE S	SOL	SQ	L Edi	itor					-	
		W	ork w	/ith th	e SQ	L beh	ind th	e vie	w (u	ini
	_			CTDEC		<b>E</b> 41	1.1			

3. Modify the SQL statement to include a where clause such as WHERE QTIME05 > 0 and include QTIME05 near the front for the list of columns displayed.

				1 -	1	1 1
Idoc730	/DEMO2/QUERYPERF/JC	OB WATCHER -	MAIN TDE SCOPED INFO - #1 🛛 🗙			
SELECT QT where qtim ORDER BY	TIME05, CHAR(HEX(TR ne05 > 0 QTIME05 DESC	ESERVE13)) A	S QRO_HASH, X.* FROM QTEN	/IP/QAPYJWTDE	E_DEMO2_QUERYPERF	x
Disk page faults (µs) (QTIME05)	QRO hash (QRO_HASH)	Interval number (INTERVAL)	Time of day at ending snapshot start (STARTOD)	Reserved (TRESERVE1)	Task count (uniquely identifies a task/thread) (TASKCOUNT)	Elapsed interval time in microseconds (TDEUSECS)
4455094	000000000000000000000000000000000000000	224	2019-04-25-10.01.36.547000		8370980	503004
4355912	0000000000000000	201	2019-04-25-09.59.40.877000		1787	503020
4329492	0000000000000000	220	2019-04-25-10.01.16.440000		8370980	502712
4319983	00000000000000000	219	2019-04-25-10.01.11.413000		8370980	503005
4268509	000000000000000000000000000000000000000	201	2019-04-25-09.59.40.870000		8370980	503012
4267475	0000000000000000	203	2019-04-25-09.59.50.931000		8370980	503008
4264233	000000000000000000000000000000000000000	221	2019-04-25-10.01.21.457000		8370980	501701

- 4. Press F4 to rerun the SQL statement
- 5. Right-click the report and use the Query Definition -> Save As... option

💯 Save Query Definition		×
This lets you reopen this report later usi	ng the 'User-defined reports' folder.	
Component:	Job Watcher	~
Description:	Jobs with the most page fault time.	
	Save Cancel	v

### 4.12.3 Graphs

This folder contains all user-defined graphs that are applicable to the current collection.

Double-click a graph to open it. You may also right-click the graph and use the Properties option to view and change some of the settings for the graph such as the SQL statement used.

User-defined reports	^	Report description	Modified by	Modified on	Minimum VRM	Maximum VRM
Graphs			57			-
		Collection overview time signature31	MCCARGAR	2023-08-22-07.22.45.153872	710	0
		Collection overview time signature30	MCCARGAR	2023-08-22-07.22.39.923072	710	0
🗄 📲 Other repositories on Idoc730		Collection overview time signature29	MCCARGAR	2023-08-22-07.22.34.239955	710	0
Filegen		Collection overview time signature28	MCCARGAR	2023-08-22-07.22.28.889435	710	0
Eltavampla		Collection overview time signature27	MCCARGAR	2023-08-22-07.22.22.994475	710	0
ritexample		Collection overview time signature26	MCCARGAR	2023-08-22-07.22.17.891640	710	0
Fltex2		Collection overview time signature25	MCCARGAR	2023-08-22-07.22.12.724153	710	0
Ibmdk2		Collection overview time signature24	MCCARGAR	2023-08-22-07.22.05.686865	710	0
Ibmiw		🔲 🥽 a - 11 - 12 - 12 - 12 - 12 - 12 - 12 -	MICCARCAR	2022 00 22 07 24 50 027554	710	•

#### 4.12.3.1 Properties

User-defined graphs have properties pages that let you change several settings with how the graph looks. **Tip:** You can also change these same settings by opening the graph and saving the user-defined graph there instead.

These properties for user-defined graphs are mostly identical to those for iDoctor supplied graph definition properties. The main differences are you can edit user-defined graph definitions and the SQL statement and your changes will be saved.

Graph Definiti	on					×
General X-a	axis   Primary Y-axis   S	econdary Y-axis	Flyover SQL			
ок	Cancel					
	Description:	Collection over	view time signati	ıre		
	Graph type:	Vertical stacked	bar 🔽			
Ba	ars per page override:		]			
	Minimum VRM:	710	Maximum	0	0 = no max	
Location:					Open	
User-defi table JW 3	ned C:\Users\mccar\Ap SUM 3 SREFNO 3 Min	pData∖Roaming∖ VRM 710 Max VI	IBM\iDoctor\iDo RM 0	octorUserDe	fined.mdb QAIDRGPH	

This interface is covered in the Data Viewer documentation.

### 4.12.4 Tables

This folder contains all user-defined table-based reports that are applicable to the current collection.

🗄 🗄 User-defined reports	^	Report description	Modified	Modified on	Minimum	Maximum
			by		VRM	VRM
		III Jobs with the most page fault time	MCCARGAR	2023-08-22-07.06.38.939580	710	0
		III JW SQL file ODBC test	MCCARGAR	2023-05-24-12.16.01.471122	710	0
🖮 📙 Other repositories on Idoc730						
S						

#### 4.12.4.1 Properties

User-defined reports have properties that are covered in this section.

#### 4.12.4.1.1 Details

The details page lets you change the title for the report or modify the IBM i VRM levels that the report should apply to.

User-defined Report Propertie	25	×
Details SQL		
OK Cancel		
Description:	OB WATCHER - MAIN TDE SCOPED INFO	
Minimum VRM: 7	Maximum VRM: 0 = no max	
Location: U \i Q	lser-defined C:\Users\mccar\AppData\Roaming\IBM\iDoctor DoctorUserDefined.mdb QAIDRSQL table JW DTL APYJWTDE SREFNO 2 Min VRM 710 Max VRM 0	Open

	Description
	The name to give the user-defined report.
	Minimum VRM
	The minimum IBM i release in nnn format such as 610, 710, 720, 730, etc.
	The minimum release currently functions at is V6R1 (i.e. 610)
	Maximum VRM
	The maximum IBM I release in nnn format this report should appear at.
	Use a value of 0 if no max.
	Location
	Identifies where this report exists in the user-defined reports database.
	User-defined reports are located within the database (either the .mdb file or IBM I library) in table QAIDRSQL.
	Within table QAIDRSQL the following columns are used in the example in the screenshot above:
	SIDCOMP = JW (component identifier)
	SQRYCAT = DTL (folder identifier – also see table QAIDRCATS)
	SREFNO = 2 (unique report identifier within this component and folder)
OK	Open
	Opens the user-defined reports database.

#### 4.12.4.1.2 SQL

The SQL statement tab lets you change the parameterized SQL statement behind the report.

User-defined Report Properties		×
Details SQL		
ОК		
Parameterized SQL statement:	Find: ch Next Pre	vious
SELECT CHAR(HEX(TRESERVE13)) AS QR < <mbrname>&gt; X ORDER BY INTERVAL</mbrname>	C_HASH, X.* FROM QTEMP/QAPYJWTDE_< <libname>&gt;_ L, TASKCOUNT</libname>	
Find Lets you find the entered text within	the SQL statement by pressing the Next or Previous b	utton.
Parameterized SQL statement		

This is the SQL statement including parameters such as:

<<LIBNAME>> = library name

<<MBRNAME>> = collection/member name

**Tip:** If parameters are included in the SQL statement but are not known to iDoctor then you will be prompted to enter a value when running the report by the <u>Change SQL Parameters</u> window.

# 4.12.5 Menu Options

Each user-defined graph or report in these folders has the following menu options when right-clicked:

	Open Graph / Table
	Opens the selected report in a new or existing data viewer depending on the sub-menu option taken.
	Edit
	Opens the selected report into the SQL Editor. The SQL statement will not be ran until requested by the
	user.
	This is most useful if the queries are long running, and you wish to modify them before execution.
×	Delete
	Removes the selected user-defined reports from the user-defined reports database.
6	Properties
	Displays details about the current user-defined graph definition or query definition that can be modified such
	as the SQL statement or fields shown on the graph.

### 4.12.6 Column settings overrides

This folder contains each column that has been modified in iDoctor by any user using the currently defined user-defined reports database. Whenever a user modifies a graph or table column using the Edit column interface they will be saved here. These overrides apply to iDoctor supplied reports and user-defined reports for any where the column short name in the SQL statement matches the values in this list.

If you delete a column from this view, then the iDoctor-defined settings for this column (colors and description) are used instead (assuming the same column name exists in the iDoctor reports.) **Tip:** After deleting column overrides you may need to Clear the iDoctor cache from the component icon popup menu in order for the changes to take effect.

### 4.12.7 Other repositories

This option allows you to work with any other repositories (libraries) found on the current IBM i you are using. Only libraries will appear that contain the iDoctor repository SQL tables such as QAIDRGPH or QAIDRSQL.

# **5** Analyses

Analyses in iDoctor are used to process performance data to either summarize the data in some manner or dig deeper and look for specific information for a given performance problem.

Analyses can be found in the main iDoctor components: Job Watcher, PEX Analyzer, Disk Watcher and CSI (Collection Services Investigator).

Analyses are initiated by right-clicking collection(s) and using the Analyses menu and picking either the Analyze Collection... menu (which shows a window to pick and choose from any available analyses) or pick one of the available "fast path" analysis options such as "Run Collection Summary", "Run Situational Analysis", etc.

- 📙 SQL tables
- 📙 Job Summary

<b>SSS</b>	Yes	Ready		SUM, SIT, SQL	Split	Ended by user	
QUER		Poody	test2	SUM, SIT, SQL, CHS	Default	Ended by user	25
	Explore						
	Analyses	>	Analyz	e Collection			
	Refresh Status		Run Al	L Default Analyses			
	Favorites	>	Schedu	ile Run ALL Default Analyse	S		
	Waits	>	Run Ao	tive Collection Summary			
	CPU	>	Run Ca	II Stack Summary			
	Job counts	>	Run Cł	nange sensitive user data			
	Temporary storage	>	Run Co	ollection Summary			
	Page allocations	>	Run Co	ollection Summary by TDE t	ype (must r	un Collection Summa	ry first
	I/O	>	Run De	stroy all host variable data	in QAPYJWS	SQLH	
	Logical I/O	>	Run Ho	older Chase			
	IFS	>	Run Ho	older Chase 15 levels			
	Top consumers	>	Run Jo	b Summary			
	Holder chase	>	Run Lo	ck Trace			
	Opens	>	Run Lo	ng Transactions			
	SQL	>	Run M	odules Waiting			
	Other metrics	>	Run Sit	uational Analysis			
		- F					_

A list of available analyses for a collection in Job Watcher.

# **Tip:** The Analyses menu is also available if you select multiple collections and right-click. This will run the desired analyses on all the selected collections.

Analyses in iDoctor are SQL stored procedures. When an analysis runs it runs in the <u>Remote SQL</u> <u>Statement Status View</u> at the bottom of the main window. This window shows the progress of the analysis and from there completion or error messages will be shown. If an error is shown, you should right-click the error and use the Display job log menu to view the job log and try to determine the error. If you are unable to determine the reason for the error, send the job log and related information about the component, collection you are trying to analyze to iDoctor@us.ibm.com.

IBM i Connection	s Ido	c720: Job Watcher - #1 Remote SQL Statement Status 🛛	
Time	System	Status	SQL Statement
10/22/18 12:25:32	Idoc720	10/22/18 12:25:52: Situation #9 (High synchronous write response time) executed successfully (.235 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:52: Situation #10 (Concurrent write support not enabled) executed successfully (.313 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:53: Situation #11 (Journal cache could help performance) executed successfully (.313 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:53: Situation #12 (Jobs ineligible to run) executed successfully (.235 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:53: Situation #13 (Holder job delaying other work) executed successfully (.250 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:54: Situation #14 (CPU queueing may be less than what is reported by JW) executed successfully (.234 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:54: Situation #15 (Potentially large number of locks) executed successfully (.297 seconds)	CALL QIDRGUI/QIDRJWAU ('AAAAQ', 'B
10/22/18 12:25:32	Idoc720	10/22/18 12:25:54: Situation #16 (Deadlock due to DB record locks) executed successfully (.265 seconds)	CALL OIDRGUI/OIDRJWAU ('AAAAO'. 'B

After an Analysis is complete, the tables it creates can be accessed under the SQL Tables folder found in iDoctor under the component icon or under each library within the Libraries folder. Reports are often available from the SQL tables generated by the analysis. In many cases additional reporting options are also available under the collection, by right-clicking the collection and accessing a new menu option applicable to the new analysis.

### 5.1 Analyze Collection(s) Window

Use this option to be presented with a list of possible analyses to run against the selected collections. You can select one or more analyses to run by checking the checkbox next to each. In the Job Watcher and Collection Services Investigator components, a Situations button will exist that allows you to configure options related to the Situational Analysis.

If you want the analyses to run in a batch job instead of a QZDASOINIT job, then check the checkbox called "Submit this request to a batch job...". Doing so is usually desired if the collections have large amounts of data or if the analyses are expected to take a long time to run as this will free up the <u>Remote</u> <u>SQL Statement Status View</u> for other actions you may wish to take.

scription	Used by						
Collection Summary	Favorites, Waits, CPU, Job counts, I/O, IFS and other graphs						
Situational Analysis	Favorites, Waits, Job counts, Physical Disk I/Os						
Job Summary	SQL tables -> Thread/Job totals						
Call Stack Summary	Call stack summary						
Lock Trace	SQL tables -> Lock trace						
Clients and Workers (run Collection Summary first)	Waits -> Clients + Workers Overview, Waits -> Clients + Workers rankings						
Holder Chase	Holder chase						
Holder Chase 15 levels	Holder chase						
Long Transactions	Long transactions						
Active Collection Summary	Favorites, Waits, CPU, Job counts, I/O, IFS and other graphs						
Collection Summary by TDE type (run Collection Summary firs	SQL tables -> Collection Summary by TDE type						
Modules Waiting	SQL tables -> Modules waiting						
Destroy all host variable data in QAPYJWSQLH							
Change sensitive user data							

ОК	Situations This button opens the interface to work with the situations found in the Job Watcher or Collection Services
	Investigator components
225	- Clear
OK	This button will uncheck all selections in the list.
je.	Togale
OK	The selected analyses will either be checked/unchecked (i.e. toggled) from their current values
	Analyses available
	This is the list of possible analyses to run. It contains these columns:
	<b>Description:</b> The name of the analysis. Typically, under the <u>SQL Tables</u> folder you will find folder of the same name which allows you to work with the data generated by these analyses.
	<b>Used by:</b> This describes where in the GUI the data created by this analysis is used.
	<b>Program:</b> The name of the program object in the QIDRGUI library. This is the SQL stored procedure that behind each analysis. These programs all have a text description which is a number such 005. This is the version number of the program.
	Run all default: If this value is set to a 1 then the analysis will be executed when using the Run ALL default analyses menu option found when right-clicking a collection.
	Submit to batch
U	This option will run the desired analyses in a batch job on the IBM i using a file sent to the IBM i's IFS with the SQL statements to run and the RUNSQLSTM command.
	The job name used will be one of the following depending on the component identifier:
	Collection Services: QIDRCSSUM
	DEX Applyzer: OIDREASLIM
	Ftc
	Note: This option requires a valid FTP connection to the IBM i. Your FTP connection settings can be
	configured in the IBM I Connections View.
	This will submit the batch job to run the SQL statements at priority 1.
	Note: You probably do not want to use this option on production systems as in some cases the SQL can be
12	Intensive.
OK	Schedule This button is used to specify in the analysis should run new or later
10	This button is used to specify in the analysis should run now of later.
	Alwaya www.iw.a.hatah.iah
	Always run in a batch job
	Always run in a batch job This option effects the same preference on the Misc tab. If checked then the next time this screen is used

After pressing OK, the <u>Remote SQL Statement Status View</u> window will show calls to several stored procedures that are used to create the analysis tables. These tables will appear under the <u>SQL Tables</u> folder under the library and collection.

After the analyses are complete it's important to refresh (F5) the library to ensure that all new data is recognized by the GUI and it used in the reports shown. If a Collection Summary analysis was ran the "Using iDoctor collection summary" flag may also change from "No" to "Yes." This will typically cause additional reports to shown as well.

IBM i Connections	Idoc7	20: Job Watcher - #1	Idoc720: Col	llection Services Investigator - #1	oc720: Disk Watcher - #1							
Job Watcher	^	Collection	Using Collection Summary	Status	Description	Collection type	Ending reason	Collection size	DB files VRM	Partition collected	Partition collected	Last coll
🗄 🚹 Bsmenges								(MB)		on VRM	on	
Bsmenges2		🔒 SQL tables										
🕀 📗 Dfljwc		📕 Job Summary										
		ALL	Yes	Ready		Default	Time limit	31.12	7.2	7.2	IDOC720	
		Q342130838	Yes	Ready - Missing: SQL, AIGP, IJVM	10 second intervals, Call stac	ks Default	Ended by user	58.67	7.2	7.2	IDOC720	
		e SP4	Yes	Ready - Missing: SQL, AIGP, IJVM		Split	Ended by user	1.09	7.2	7.2	IDOC720	
Dfliw2		0010070045	NO	Ready - Missing: SQL, AIGP, IJVM	A second intervals. Call starts	Split	Ended by user	155.00	7.2	7.2	IDOC720	
Dfliw3		Q216073945	Yes	Ready - Missing: SQL, AIGP, IJVM	1 second intervals, Call stacks	s abc Default	Ended by user	155.80	7.2	7.2	IDOC720	
B brijws		Q210062149	NO	Ready - Missing: SQL, AIGP, DVM Roady - Missing: SQL, AIGP, DVM	O214	S Default	Timo limit	221.83	7.2	7.2	IDOC720	
In the second se		00 Q514121033	NU	Ready - Missing, SQL, AIGP, DVM	Q514	Delault	Time intit	97.20	1.2	1.2	1000720	
m in mexz												
wain												
Jwmontest												
🗄 📗 Locktracej												
🗄 📗 Mccargar												
🖽 🏢 Mccargar3												
🕀 📗 Mccargar33	8											
🗄 📙 Mccargar5												
🗄 🌗 Mccdwtest												
🗄 🜗 Pexlabdtaq												1
Dovlahov1	. * I	1				_						
•												
Remote SQL Statement	Statu	s 🗙										
Time Sy	/stem	Status			SQL	. Statement						
✓ 02/01/22 05:51:26 Id	doc72	20 Default analyse	s created successf	ully (22.328 seconds)	CAL	LL QIDRGUI/QIDF	RUNDFU ('MCCA	RGAR', 'ALL'	'*JW')			
☑ 02/01/22 06:01:52 Id	doc72	20 Collection Sumr	mary created succe	essfully (28.016 seconds)	CAL	LL QIDRGUI/QIDF	JWSUM1 ('MCCA	RGAR', 'Q34	2130838		, ", ", 'Colle	ction
☑ 02/01/22 06:01:52 Id	doc72	20 Collections data	abase refreshed su	ccessfully (.078 seconds)	CAI	LL QIDRGUI/QIDF	CNBA1 ('N', 'JW',	'MCCARGAR	R', 'Q342'	130838')		

Using iDoctor collection summary flag changed to Yes after analyses complete

### **5.1.1 Situations Window**

The Situations Window allows the user to control parameters used by the IBM defined situations or you may also create new user-defined situations to run against the data in your collections. Using this interface, you may also control which situations should be ran.

An example of this interface is:

ecreas	e the likeliho	od of	a situation occurring.						
S	ituation: Po	orly	written/performing SQL			IBM-defined			Update
	Minimum	asyo	hronous reads rate per second - Default = 100			]	Color:		Change
uation	s Available:				New	Edit	Delete	Default	Toggle
how	Changed	ID	Situation	Filter	Filter d	escription			
2		1	Seize/lock table large						
		2	Starting/ending commitment control						
		3	Poorly written/performing SQL	100	Minim	um asychronous	reads rate per	second - Defa	ult = 100
		4	Missed jobs	.05	Minim	um percentage	of missed jobs/t	asks - Default	= 5%
		5	Seize contention due to data forced to disk						
1		6	Fixed length of varchar or blob too small						
		7	High number of opens/closes						
1		8	Contention on user profile						
1		9	High synchronous write response time	3	Minim	um synchronous	s writes response	e time - Defaul	t = 3 ms
		10	Concurrent write support not enabled						
		11	Journal cache could help performance						
		12	Jobs ineligible to run						
		13	Holder job delaying other work	3	Minim	um number of t	hreads held up -	Default = 3	
		14	CPU queueing may be less than what is reported by JW	1					
		15	Potentially large number of locks						
		16	Deadlock due to DB record locks						

	Situation
	This field allows the user to modify the name of the situation.
OK	Update
1	This button will save any changes made within the Selected situation quick edit options frame to the selected
	situation in the list. These changes are saved in the windows registry.
	Filter value
_	The filter value text box lets you modify the filter's value to use. The filter value replaces the < <fitler>&gt;</fitler>
	parameter marker within the SQL statement.
OK	Color Change
121	Changes the situations color shown as the background color when graphed.
	If multiple situations occur in a time period, then the color is always red.
	Situations available list
	This list contains all the IBM-defined and user-defined situations.
	The following columns are provided:
	Oberny The above she althou (ashing a set he used to sucid muching setting situations if desired
	<b>Show:</b> The show checkbox/column can be used to avoid running certain situations if desired.
	<b>Changed:</b> If the user has made changes to a situation this column will contain "Yes .
	City of the second control of the second control of the second situation.
	Situation: Name of the situation.
	<b>Filter:</b> Some situations have a < <filter>&gt; parameter in the SQL statement. This is the value to use for</filter>
	Filter description: Describes the (entional) filter used by this situation
	<b>Color:</b> Identifies the color of the situation in PCP format (0.255.0.255)
	<b>IPM defined:</b> This column indicates if the situation is IPM defined or user defined. Typically, the situation ID
	will be $>-50$ for user-defined situations
	Solve Shows the SOL statement for the situation. It may be modified by pressing the Edit button
100	
OK	The new button displays the Situations Editor window which allows you to create your own situation
Sec.	Edit
OK	The edit button displays the Situations Editor window and fills in the information for the current situation
Se.	Delete
OK	This button lets you delete the currently selected user-defined situations. IBM-defined situations cannot be
· · · ·	removed
50	Default
OK	This button removes all changes made to the IBM-defined situations, remove all user-defined situations and
	restores them to their original (shinned-default) state
Se.	
OK	This button changes the checked state of all selected items in the list
	Situations Available
	The list of situations defined in the current component. You can uncheck the ones you don't want to include
1	the next time the Situational Analysis runs
L	

## **5.1.2 Situations Editor Window**

The Situations Editor window is used to create a new situation or modify advanced settings of an existing one. It allows the user to modify a situation to suit their individual needs. Situations are built from a special SQL statement that meets certain characteristics.

An example of this window looks like this:

Situations Editor					
ID:	1 - C	(50 - 99 allowed for user-defin	ed)	Color:	Change
Description:	Poorly written/perform	ing SQL			
Filter:	100	Filter desc:	Minimum asychronous reads rate pe	r second - Default = 100	
Example:	Seize/lock table large				~
SQL Statement:	Note: Use < <filter>&gt;</filter>	within the SQL			
This situation checks for This could mean a poorly SELECT 3 AS ID, INTERVAL, FROM < <libname>&gt;/QAP WHERE LICWO IN('SFP') AND SQLINTHRD AND (ASYDBRD /</libname>	a 'nign' rate of asyc read y implemented SQL state TASKCOUNT, 1 AS TOTAI YJWTDE = 1 (TDEUSECS * .000001)) :	as per second with page faulting ement is running. L	y while running SQL statements.		•
Results:		🕑 Include job na	ime		Test
		No data :	Found.		
				ОК	Cancel

	ID
	The situation ID must be unique and needs to be between 50-99 for user-defined situations.
OK	Color change
OK	Changes the situations color shown as the background color when graphed.
	If multiple situations occur in a time period, then the color is always red.
	Description
	This field allows the user to modify the name of the situation.

The filter value text box lets you modify the filter's value to use. The filter value replaces the < <fitler>&gt; parameter marker within the SQL statement. Note: This field is optional and can be blank.</fitler>
Filter desc The filter description describes the filter that has been included in the SQL statement.

•	Examples
	The SQL statement examples drop down box contains a list of all IBM-defined situations. Selecting one of
	these situations replaces the current SQL statement shown. These examples contain comments and should
 	help you get a better idea on how to create your own situation to suit your needs.
	SQL Statement
	The SQL statement that performs the testing to see if the situation has been satisfied in the data. The tables should be referred to using < <libname>&gt;/QAPYJWTDE syntax where &lt;<libname>&gt; is a parameter marker replaced at runtime with the current library and QAPYJWTDE is the desired file.</libname></libname>
	Note: Aliases will be automatically created for you to point to the current collection member and do not need
	to be referred to here.
	The outer select must contain the following 4 fields (in this order):
	1. ID = situation ID (User-defined situations are numbered 50+. IBM-defined situations are 1-49.)
	2. INTERVAL = interval number when the situation occurred
	3. TASKCOUNT = unique identifier for the job/task. Use a value of 0 if the situation applies to the entire collection and not a specific job or task.
	TOTAL = The number of occurrences of this situation for this job/task and interval. If the situation does not apply to any specific job or task, then a value of 1 should be used.
	Include job name in results
-	This option will modify the SQL statement slightly under the covers to display the Job name and thread ID

	This option will modify the SQL statement slightly under the covers to display the Job name and thread ID associated with each taskcount found. Because Job name and thread ID are not returned in the situation analysis table they are only shown here for test purposes.
ОК	<b>Test</b> This button executes the current SQL statement shown above against the current collection. If any results are found, they will be shown in the SQL Statement results list.
	For testing purposes, use the Test SQL button and the "Include job name in results checkbox" to see the jobs in your test collection that match your situation before using. In this way you can modify the SQL Statement to control verbosity to best suit your needs.
	Results This list contains the result set returned by running the SQL Statement shown above.
ОК	<b>OK</b> Accepts all changes made and closes the window, returning to the Situations Window.

# 5.2 Run ALL Default Analyses

In some of the components this will run the "default" set of analyses on the selected collections.

Job Summary				
C Q175102853	Yer	Roady		SUM, SIT, VP, XCS, XSTGD, TL,
		Explore		
		Refresh Status		
		Analyses	>	Analyze Collection
		Favorites	>	Run ALL Default Analyses

Collection menu -> Analyses -> Run ALL Default Analyses

This list of "default" analyses varies by component and can be viewed by using the menu option "<u>Analyses -> Analyze Collection</u>" and looking for the "Run All Default" column in the list of analyses.

	Situations Clear Toge	gle	
escription	Used by	Program	Run A Defau
Collection Summary	Favorites, Waits, CPU, Job counts, I/O, IFS and other graphs	QIDRJWSUN 3	1
Situational Analysis	Favorites, Waits, Job counts, Physical Disk I/Os	QIDRJWA3	1
Active Collection Summary	Favorites, Waits, CPU, Job counts, I/O, IFS and other graphs	QIDRJWSUNR	1
Clients and Workers (run Collection Summary first)	Waits -> Clients + Workers Overview, Waits -> Clients + Workers rankings	QIDRJWCLT	0
Change sensitive user data		QIDRJWXRF1	
Destroy all host variable data in QAPYJWSQLH		QIDRJWHSTD	
Lock Trace	SQL tables -> Lock trace	QIDRJWLCK1	
Holder Chase	Holder chase	QIDRJWCHS	
Collection Summary by TDE type (run Collection Summary first)	SQL tables -> Collection Summary by TDE type	QIDRJWTSUM	
Holder Chase 15 levels	Holder chase	QIDRJWCHS2	
Dong Transactions	Long transactions	QIDRJWS4	
Job Summary	SQL tables -> Thread/Job totals	QIDRJWCJS	
Call Stack Summary	Call stack summary	QIDRJWSTKA	
Modules Waiting	SQL tables -> Modules waiting	QIDRJWMOD1	

Tip: On the green screen these default analyses are ran when using the QIDRGUI/STRIDRSUM and QIDRGUI/RSTIDRDTA SUM(\*YES) commands.

## 5.3 Analyses -> Run analysis menu

This option (by default) when used on a collection, will kick off the desired analysis in the <u>Remote SQL</u> <u>Statement Status View</u>. If the submit to batch preference is used instead, then you must wait until the batch job created finishes.

When complete additional reports will become available (after refreshing the component view).

### 5.4 Change sensitive user data

Most components include this analysis which can be ran to **modify** the performance collection in order to hide/rename potentially sensitive data such as system names, job names, user profiles, etc. The data modified varies by component.

It is a good idea to create a backup of the collection before using this feature since the changes are permanent except when using **PEX Analyzer**.

**Note:** This analysis does NOT modify existing iDoctor-created QAIDR\* SQL tables. If you want that data to be sanitized as well, you should run this analysis first and then run the desired analyses after.

After running this analysis, the collection status should indicate **SANITIZED** which means the original data has been changed by this analysis.

IBM i Connections Idoc730: Job W	Vatcher - #1 🛛 🛛 Idoc730	): iDoctor Requests -	#1	
🖃 🛺 Job Watcher	Collection	Using Collection	Status	Descrip
Libraries: M*		Summary		
🗄 🕒 Mccargar				
🕀 🕒 Mccargarab	📙 SQL tables: M*			
Mccargar1	📙 Job Summary			
	ALL3	No	Ready	
Herein Mccargar3	Q143130138	No	Ready - Missing: SQL	5 seco
H	Q075094227	Yes	Ready - Missing: SQL	5 seco
Mecargar7c	ALL 🖉	Yes	Ready	
	🛛 🍓 Q349104037	Yes	Ready	
🕀 🌗 Mccargar72	🛛 🍓 Q138120421	Yes	Ready - Missing: SQL	10 sec
🖶 🜗 Mccdeb	Q279134058	Yes	SANITIZED - Ready - Missing: SQL	
III III Manaaa				

In PEX, a Restore sensitive user data analysis also exists that can be used to restore the data back.

# 5.5 Restore sensitive user data

This analysis appears **ONLY in PEX Analyzer** and can be used to restore the data that was sanitized back to the original contents. This only works if the QAIDR\* tables that were originally created by the **Change sensitive user data** analysis still exists in the same library and the collection has not been renamed.

# 6 Monitors

All components provide an option to start and work with monitors. Monitors allow the user to continuously collect Job Watcher, Disk Watcher and/or PEX data.

**Tip:** Data in monitors can be optionally sent to another LPAR using an FTP definition.

**Note:** For Collection Services, a monitor of that type allows data to be sent to another LPAR automatically after each cycle is completed. Only 1 CS monitor can be started at a time. Multiple JW, DW or PEX monitors can be running at the same time if desired.

Monitors run continuously storing only the desired number of collections. Monitors will run until ended manually by the user or when ended via a scheduled job. Monitors can be held and released if the user wishes to stop collecting data, and then continue collection again later. Monitors can also be scheduled to start and end at the desired times.

Once a monitor has been completed, it must be restarted using the Restart Monitor option.

IBM i Connections 1 iDo	octor Update Histo	ry 2 Ido	c730: Job Watcher	×							
Job Watcher     Libraries: DEMO2	Monitor name	Library name	Collection type	Status	FTP Definition	Definition	Collection duration (minutes)	Last active collection	Maximum historical collections	Description F	Pi C(
Detarrepository     Data repository     Data repository     SQL tables: DEMO2     Monitors     Monitors     For STRCSMON     For STRCSMON     For Definitions     Bernitions     Bernitions     Bernitions	PSTRCSMON TEST NEWTEST	QPFRDATA QIDRDATA QIDRDATA	Collection Services Job Watcher Job Watcher	Ended Ended Ended	*NONE *NONE	*STANDARDP Q5SEC Q5SEC	1,440 1 2	Q084010004 TEST006 NEWTEST003	10 5 5		
Monitors Folder											

# 6.1 Commands

The green screen commands related to monitors (and the collections they contain) in the QIDRWCH library are:

Addftpdfn - Create a definition for sending data

Cpycscol - Copy a Collection Services Collection

Cpydwcol - Copy a Disk Watcher Collection

Cpyjwcol - Copy a Job Watcher Collection

Dltcscol - Delete a Collection Services collection

Dltdwcol - Delete a Disk Watcher Collection

Dltdwmon - Delete a Disk Watcher Monitor

Dltjwcol - Delete a Job Watcher Collection

Dltjwmon - Delete a Job Watcher Monitor

Dltpamon - Delete a PEX Analyzer Monitor

Endcsmon - End the Collection Services monitor (if active)

Enddwcol - End a Disk Watcher Collection

Enddwmon - End a Disk Watcher Monitor

Endjwcol - End a Job Watcher Collection

Endjwmon - End a Job Watcher Monitor

Endpamon - End a PEX Analyzer Monitor

Ftpcol - Transfer perf collection to another system

Hlddwmon - Hold a Disk Watcher Monitor

Hldjwmon - Hold a Job Watcher Monitor

Hldpamon - Hold a PEX Analyzer Monitor

RIsdwmon - Release a Disk Watcher Monitor

Rlsjwmon - Release a Job Watcher Monitor

RIspamon - Release a PEX Analyzer Monitor

Rmvftpdfn - Remove a definition for sending data

Strcsmon - Start a Collection Services Monitor

Strdwmon - Start a Disk Watcher Monitor

Strjwmon - Start a Job Watcher Monitor

Strpamon - Start a PEX Analyzer Monitor

**Tip:** Many of these commands contain help text. See the command help text for more details on usage.

**Note:** When using a FTP definition, the QIDRGUI/FTPFILE command is used to send performance data to other LPARs. This creates a script and uses the IBM i FTP command.

# 6.2 Menu Options

The menu options found when right-clicking on one or more monitors in the list are:

Onen
This option will expand the monitor and view the collections it contains
Explore data on remote LPAR
If this monitor has an FTP definition set, this option will open a new component view to the remote LPAR of
the applicable component to view the data there.
Edit FTP definition
Use this option to change the FTP definition behind the monitor.
Changes can be made while the monitor is still running if desired.
View definition
This option will display the definition used when creating the monitor.
Note: This is not applicable to CS monitors.
Edit definition
This option displays the interface to modify the definition used when creating the monitor.
Note: This is not applicable to CS monitors.
Select fields…
This is used to control which fields are shown in the list of collections found by double-clicking or using the
Explore menu.

<b>a</b> 2	Start New Monitor
	Opens the Monitor Wizard to create a new monitor.
	Restart Monitor
	Opens the Monitor Wizard to restart the selected monitor. This option is only enabled if 1 monitor is selected.
	Copy Monitor Record
	This is used to copy the record in the file that that builds this list to another library/monitor. No data is copied
	Hold/Release
	This option allows the selected monitor to be held. If held the active collection will be ended immediately and
	no more collections will be started until the monitor is released.
	End immediately
	This option will end the monitor and all active collections defined within immediately.
	End after current collection
	This option will end the monitor once the current collection running completes.

	Clear Server Cache		
	This will clear the collections cache for the library and type matching the selected monitor.		
×	Delete		
	Removes the monitor and all collections within it from the system.		
	Note: This does not remove collections on the remote LPAR if an FTP definition has been set.		
B	Save		
	Creates a save file containing all collections within the monitor.		
	Transfer to		
	Use these options to send data to another LPAR or the PC.		

# 6.3 Fields

All columns are shown by default. You can hide or rearrange columns using the <u>Select Fields...</u> menu by right-clicking the Monitors folder.

Field	Description
Monitor name	The name of the monitor. Monitor names cannot be greater than 7 characters. The collections within the monitor use the monitor name concatenated with 001 through 999.
	Note: Collection Services monitors are always named STRCSMON and there is only
	<mark>1 on a system.</mark>
Library name	The name of the library containing the performance data collected by the monitor.
Collection type	Either Job Watcher, Disk Watcher, PEX Analyzer or Collection Services.

Status	This is either Ended or Active. If Active it will include the current job status for the job running the monitor.
FTP Definition	This is optionally used to send data in the monitor to a remote LPAR.
	In the case of Collection Services, this is required.
Definition	This is the name of the definition used when creating the monitor.
	Note: For Collection Services this is the default collection profile setting on the
	CFGPFRCOL command.
Collection duration	This is the elapsed time that each collection should contain.
(minutes)	

Last active	The name of the last active or currently running collection.
collection	
Maximum historical	This is the number of collections to retain.
collections	
Description	An optional description to give the monitor.
	Note: Does not apply to Collection Services monitors.
Partitions count	If the monitor is collecting data simultaneously over multiple partitions this field indicates the number of partitions data is being collected for.

Start time	The date and time when the monitor started.			
	<b>Note:</b> For Collection Services this is the time when the currently running collection			
	started.			
Maximum collection	This option indicates the maximum collection size for each collection created within			
size (megabytes)	the monitor. This value only applies to Disk Watcher and Job Watcher.			
	Tip: If this maximum size is reached before the collection duration has elapsed, then			
	NO DATA is captured.			
Monitor job	That job that is running or ran the monitor.			
ENDPEX data	This option applies only to PEX monitors and can be one of the following:			
option				
	1) Create DB files - The data is dumped into the PEX DB files when each collection			
	ends			
	2) Create *MGTCOL - The PEX data is dumped into a PEX *MGTCOL object when			
	each collection ends			
	3) <b>Suspend</b> - The PEX data is not dumped and the collection will move to			
	suspended status. After the desired maximum historical collections have been			
	created, the PEX monitor will end. At that point the data must be dumped to			
	database files or *MGTCOL objects manually using either the ENDPEX command or			
	the Active collections folder within PEX Analyzer.			

## 6.4 Monitor Wizard

This section describes the interface used when starting (or restarting) an iDoctor monitor. Monitors for all types can be started at the same time using this interface if desired. A separate job is used to collect data for each type.

#### **Tip:** Data can be optionally sent to another system using an FTP definition.

When restarting a monitor, the parameters that were used to last start the monitor are preloaded into this interface.

### 6.4.1 Welcome

The Welcome page introduces the user to the Monitor. Selecting Yes on this screen will allow you to pick the partitions to collect data on.

Welcome	< Back Next > Cancel	
	<ul> <li>Welcome to the Monitor Wizard.</li> <li>This wizard will guide you through the process of starting (or restarting) an iDoctor Monitor on the desired partitions.</li> <li>An iDoctor Monitor is a set of collections under a common name that are continuously collecting data over a system. A monitor runs until ended by the user. As it runs the oldest collections are deleted as new collections are created.</li> <li>Monitors can collect either Job Watcher, Disk Watcher and/or PEX data. Monitors require the use of a definition. The definition defines the parameters to use during collection.</li> </ul>	•
	Collect over multiple partitions?	
	⊖ Yes O No	

**Collect over multiple partitions?** Choose Yes to visit the Partition Selection screen, otherwise the FTP Definition screen will be shown.

### 6.4.2 Partition Selection

 $\cap$ 

The Partition Selection screen lets the user configure the list of partitions to collect data on.

**Tip:** In order to make it easier to analyze the data, the system clocks on the partitions used should be in sync.

Partition Selection		< <u>B</u> ack <u>N</u>	lext > Cance	el	
	Indicate below Use Browse to list using the S Note: The mo in sync. This H Data will be cu library name u	ndicate below the partitions the monitor should be started on. Jse Browse to select from systems defined within iDoctor or create your own text file ist using the Save / Load buttons. Note: The monitors will be scheduled to start at the desired time in order to keep them in sync. This however assumes that all system clocks are also in sync. Data will be created in unique libraries on each LPAR to avoid DB2M conflicts. The ibrary name used will match the current LPAR name			
	LPAR:	IDOC740		Add	Browse
			Remove	Load	Save
<del>,,,,,,</del>	System	1			
	Idoc730	1			
	IDOC740				
LPAR Name of the syste	m to add to the l	lict			
LPAR Name of the syste	m to add to the l	list.			
LPAR Name of the syste     Add Adds the partition	m to add to the I	list.	the list.		
LPAR         Name of the syste         ok         Add         Adds the partition         ok         Browse	m to add to the I name or IP addr	list. ress in the text box to	o the list.		
LPAR         Name of the syste         Add         Adds the partition         OK         Browse         Shows a list of IBN	m to add to the I name or IP addr I i connections t	list. ress in the text box to to select from.	the list.		
LPAR         Name of the syste         Add         Adds the partition         OK         Browse         Shows a list of IBN         OK         Remove	m to add to the I name or IP addr / i connections t	list. ress in the text box to to select from.	the list.		
LPAR         Name of the syste         OK         Add         Adds the partition         OK         Browse         Shows a list of IBN         OK         Remove         Removes the sele	m to add to the I name or IP addr I i connections t cted partitions fr	list. ress in the text box to to select from. om the list	the list.		
LPAR         Name of the syste         ok         Add         Adds the partition         ok         Browse         Shows a list of IBN         ok         Remove         Removes the sele         ok	m to add to the I name or IP addr I i connections t cted partitions fr	list. ress in the text box to to select from. om the list	the list.		
LPAR         Name of the syste         Add         Adds the partition         K         Browse         Shows a list of IBN         K         Remove         Removes the sele         K         Load         Loads a list of part	m to add to the I name or IP addr / i connections t cted partitions fron	list. ress in the text box to to select from. om the list n a text file. The file s	the list.	n name or IP	P address per line.
LPAR Name of the syste Add Adds the partition Browse Shows a list of IBM Remove Removes the seler Load Loads a list of part ok	m to add to the I name or IP addr <u>A i connections t</u> cted partitions fron	list. ress in the text box to to select from. om the list n a text file. The file s	the list.	n name or IP	address per line.
LPAR Name of the syste Add Adds the partition Browse Shows a list of IBM Kemove Removes the sele Kemoves the sele Load Loads a list of part Save Save Save	m to add to the I name or IP addr I i connections t cted partitions fron tition names fron list of partitions f	list. ress in the text box to to select from. om the list n a text file. The file s to a text file that can b	the list. should 1 partitio	n name or IP a the Load op	address per line.
LPAR   Name of the syste   Add   Adds the partition   K   Browse   Shows a list of IBN   K   Remove   Removes the sele   K   Load   Loads a list of part   K   Save   Saves the current   System list	m to add to the I name or IP addr I i connections t cted partitions fron tition names fron list of partitions t	list. ress in the text box to to select from. om the list n a text file. The file s to a text file that can list	the list. should 1 partitio	n name or IP a the Load op	address per line.

### 6.4.3 FTP Definition

This screen is used to optionally send data collected by the monitor to another LPAR.

For Collection Services, additional options exist to control how the data is sent.

FTP Definition	< <u>B</u> ack <u>N</u> ext > Cancel	
	Collections in a monitor can be sent to another LPAR using an FTP definition. The oldest collection in each monitor will also be removed. This wizard can also start a Collection Services Monitor (STRCSMON) to handle the transfer of data to another partition after each cycle completes. Data is removed from the remote LPAR based on the current LPAR's rentention settings. Transfer data to another LPAR:	

•	FTP definition
•	The name of the definition to use or *NONE.
	Tip: Only 1 FTP definition can be used at a time. If you wish to use a different FTP definition for each type of
	collection, then you will need to use this interface multiple times.
OK	Actions
1	This button shows menu options that can be used against the selected FTP definition.
	These options are View, Change, New and Delete.
_	Include Collection Services
$\cup$	This indicates that collection services data should be sent to another LPAR based on the FTP definition.
	Only CS
_	If this is checked, then none of the additional panels except <b>Finish</b> will appear and only a CS monitor will be
	started.
	Transfer *MGTCOL object only
-	This indicates that only the *MGTCOL object for the CS collection will be sent.
	Note: This should only be used if the target system is at the same OS VRM or newer.
_	Run CRTPFRDTA on *MGTCOL
$\cup$	If the previous checkbox is checked, this indicates if the data should be automatically created as QAPM* files
	from the *MGTCOL object.

# 6.4.4 Basic Options

This page allows the user to enter the parameters like the monitor name, library, and the type(s) of monitors to create.

None of these settings apply to Collection Services monitors.

Options	< Back	Next >	Cancel
	Monitor name: Library name: Max duration: Max size: Max collections: Run JW active summary Resubmit JW on failure	TEST QIDRDATA 60 4096 5 C Run analyses auto	ASP limit: 90 % 1.00 - 1440.00 minutes 1 - 9999999 megabytes 2 - 999 matically
	Collection overlap: Description:	30	10-600 seconds
	Job Watcher ☑ Disk Watcher □ PEX Analyzer □	Definition:	Actions

# Monitor name

The name of the monitor. Monitor names cannot be greater than 7 characters. The collections within the monitor use the monitor name plus 001 through 999.

#### Library

The library name the monitor's collections should reside in.

#### ASP limit

This value indicates the maximum allowed ASP percentage used. If while the monitor is running this value is exceeded the monitor will end.

**Note:** The ASP checked is the same as the ASP that the library resides in.

_	
	Max duration Indicates how long each collection should run for (in minutes).
	<b>Tip:</b> Ensure that the definitions specified would allow the collection to run for at least this long to avoid having gaps in the monitor data where no data is being collected.
	Max size This parameter indicates the maximum size to allow for each collection in the monitor. If the size is exceeded, then the collection will stop and there will be a gap in the collection data until the monitor starts the next collection in the sequence. Note: This parameter only applies to Job Watcher and Disk Watcher Monitors. For PEX monitors you will need to change this value in the PEX definition instead
	<b>Max collections</b> This parameter indicates how many collections the monitor should contain at 1 time. As time progresses and this maximum is reached, the oldest collections are replaced as new collections are added.

#### Run JW active collection summary

If starting a Job Watcher monitor, this option indicates that data should be summarized as it is being collected.

Tip: This is used for the Active Data menu options found under the Job Watcher component popup menu. Run analyses automatically

If checked, the <u>Run ALL default analyses</u> option will be used. All default analyses will be executed for each collection after it completes. This is NOT all analyses but only a select few that are most commonly needed.

**WARNING:** In some situations, this can be very resource intensive and typically should not be used on production systems.

<b>Resubmit JW on failure</b> This optional parameter indicates if the Job Watcher monitor should attempt to submit a new collection if it's detected that the current collection has ended prematurely (for any reason). If this option is enabled, a new collection will be submitted up to the maximum specified by the max resubmits parameter if the current collection has stopped running. Use caution when using this option; your collection may have ended early
because of disk space limits.
Max resubmits The parameter indicates the number of times collections will be resubmitted if the previous field is enabled.
<b>Collection overlap</b> This value indicates how many additional seconds the current collection will run while a new collection is starting up. The default is 30 seconds, but in some cases (busy/slow system) it may take longer than that to begin collecting data.
Description A description given to the monitor.

$\square$	Collection types to start					
)	The user can collect Job Watcher, Disk Watcher and/or PEX. If multiple choices are selected a different					
	monitor job is started one for each collection type.					
-	Definition					
	This list provides the definitions available on the current system to pick from of the applicable type.					
ОК	Actions					
· · · ·	View – Displays the Properties interface for the selected definition.					
	Change – Displays the Add Definition Wizard with the selected definition's parameters filled into the					
	interface.					
	<b>New</b> – Displays the Add Definition Wizard in order to create a new definition.					
	<b>Reload IBM-supplied definitions</b> – Runs a stored procedure to ensure that the IBM-supplied definitions are					
	loaded and up to date.					
-	ENDPEX option					
	The ENDPEX option is only applicable to PEX Analyzer monitors. It indicates how the collections generated					
	by the monitor should be handled by providing 3 options:					
	1) <b>Create DB files</b> - The data is dumped into the PEX DB files when each collection ends					
	2) <b>Create *MGTCOL</b> - The PEX data is dumped into a PEX *MGTCOL object when each collection ends					
	3) <b>Suspend</b> - The PEX data is not dumped and the collection will move to suspended status. After the					
	desired maximum historical collections have been created, the PEX monitor will end. At that point the data					
	must be dumped to database files or *MGTCOL objects manually using either the ENDPEX command or the					
	Active collections folder within PEX Analyzer.					

### 6.4.5 Scheduling

This page allows the user to determine how to when the monitor should be started/ended, held or released.

#### **Note:** This interface does not apply to Collection Services monitors.

To run the monitor right away, click Next.

Scheduling	cheduling < Back Next > Cancel					
	You may optionally sch are not used the monit When a monitor is held more data will be collec collecting data at certai	edule the start and en or will start now and r I, the current collection cted until it is released in times of the day.	d times of the monitor. If these options un until manually stopped. n the monitor is running will end and no l. You could use these options to avoid	•		
	Start:	Configure	Immediate			
	End:	Configure	None			
Hold: Configure None						
Release: Configure None						
Start Use this option to s	schedule the monitor	to start later.				
End Use this option to s	schedule the monitor	to end at a desire	d date and time.			
Hold Use this option to h	Hold Use this option to hold the monitor at the desired date and time.					
Release Use this option to r	elease the monitor (a	ssuming it's in a h	neld state) at the desired date and	d time.		

### 6.4.6 Finish

This screen provides a summary of the monitor that will be started/restart on the current system.

For your convenience the remote commands that will be executed to start the monitor(s) are listed at the bottom of this page.

Finish	< Back Finish Cancel
Finish	<ul> <li>&lt; Back Finish Cancel</li> <li>Here is a summary of your selections. Submit job options</li> <li>You have selected to start a monitor with the following options:</li> <li>Partition list: Idoc730</li> <li>Monitor name: TEST Library: QIDRDATA Maximum collection duration: 60 minutes Maximum collection size: 4096 megabytes Maximum collection size: 4096 megabytes Maximum historical collection: 5 Collection overlap: 30 seconds</li> <li>Collection types to include: Job Watcher - Definition: ALL</li> </ul>
<b>1</b>	Maximum collection size: 4096 megabytes Maximum historical collection: 5 Collection overlap: 30 seconds Collection types to include: Job Watcher - Definition: ALL Job Watcher Remote Command String: QSYS/SBMJOB CMD(QIDRWCH/STRJWMON MONITOR(TEST) COLLIB(QIDRDATA) DFNNAME (ALL) MAXSIZE(4096) COLNS(5) STRGAP(60) OVRLAP(30) ) JOB(QSTRJWMON) RTGDTA(*JOBD) JOBD(QIDRGU/QIDRBCH) JOBQ(QGPL/QIDRJW) OUTQ(*CURRENT) MSGQ(*NONE) USER (*CURRENT) SYSLIBL(*CURRENT) CURLIB(*CURRENT) INLLIBL(*CURRENT) SPLFACN(*CURRENT) ALWMLTTHD(*NO)



Submit job options

This button allows you to change parameters on the SMBJOB command(s) used to start the monitor(s).

Summary of selections This section lists the information provided as well as the command string that will be used to start the Monitor.

# **7 FTP Definitions**

An FTP definition is used to send performance data to another LPAR. It is used in the monitor commands found in the QIDRWCH library.

FTP Definitions are stored in file QUSRSYS/QAIDRXDFN.

These can be created or removed using commands QIDRWCH/ADDFTPDFN and QIDRWCH/RMVFTPDFN.

The FTP Definitions folder shows the FTP definitions found on the current system.

IBM i Connections Idoc730: Job Watch	ner - #1									
Job Watcher     Libraries     Definitions	Definition	Description	Remote system	Port	Secure connection	Target release	Target library	Remote collection delete offset	Delete local collection after restore?	Data compressio
Data repository	Å IDOC740		IDOC740	*DFT	*DFT	*CUR	IDOC730	0	*YES	*LOW
JVM analysis     JVM analysis     SQL tables     Monitors     Monitors     IM i Explorer	යි IDOC720	this sends data to idoc720	IDOC720	*DFT	*DFT	V7R2M0	IDOC730	3	*YES	*LOW

# 7.1 Menu Options

The menu options found when right-clicking on one or more definitions in the list are:

	Edit			
	This option shows the interface used to modify the definition.			
	Tip: You can also double-click to open this.			
	Add FTP definition			
	Use this option to create a new FTP definition.			
$\mathbf{x}$	× Delete			
This option removes the selected FTP definition(s) from the system.				
يكر	Properties			
F	This option displays a read-only version of the FTP Definition window.			

# 7.2 Fields

All columns are shown by default. You can hide or rearrange columns using the Select Fields... menu

Field	Description		
Definition	The name of the FTP definition.		
	This doesn't necessarily need to match the remote system name.		
Description	An optional description to give the FTP definition.		
Remote system	This is the remote LPAR name or IP address where data will be sent.		
Port	The FTP port to use for the transfer. (1-65535 are valid) Note: This is passed down		
--	--	--	--
	to the PORT parameter on the FTP command on the IBM i.		
	Default: 21, Secure: 990		
Secure connection	See the SECCNN parameter on the FTP command on the IBM i.		
Target release	This indicates the release of the IBM i you intend to transfer the data to.		
Targe library	This is the library on the remote LPAR where data will be sent.		
Remote collection	This is a positive or negative number indicating which collection to delete on the		
delete offset	remote system in relation to the current one beyond the current system's number of		
	collections to retain. Does not apply to Collection Services, only JW/DW/PEX.		
	For example. if normally 5 collections are retained, make this value 3 to retain 8		
	instead on the remote system, or -3 to retain 2.		
Delete local	This value indicates if the collection on the local system should be deleted after it has		
collection after	been successfully transferred and restored.		
restore?	Does not apply to Collection Services, only JW/DW/PEX.		
	<b>Note:</b> If this is set to <b>*YES</b> , this option requires that another collection already exists		
	in the library where data is being collected NOT matching the monitor. Otherwise,		
	when the local collection is deleted the performance database files will be deleted as		
	well, and future save/restores will fail on the target system saying the files where from		
Dete communication	a different version.		
Data compression	Specifies whether data compression is used. If the save is running while other jobs		
	on the system are active and software compression is used, the overall system		
Change timestomp	This is the time when the ETD definition was lest changed		
	It is apparized than the remeta is hnome used to do the transfer will be seved to		
Log output III Y is specified, then the remote job name used to do the transfer Will b			
	OIDPGUI/OIDPGET IPL ovists on the remote system		
Function	Should always be R. (*PUT aption on OIDPGUU/ETPEUE)		
	The name of the user profile to use when doing the transfer		
	Specifies the name of the application identifier to use when using Secure Seckets		
Арр ID	Specifies the name of the application identifier to use when using Secure Sockets		
	Digital Certificate Manager (DCM) application database		
	bigital bertindate Manager (bow) application database.		
	*DFT		
	The system supplied default client application		
	identifier QIBM QTMF FTP CLIENT is used.		
	character-value		
	Specify the DCM configured client application ID. The		
	first character of the application identifier must be		
	an uppercase character ('A' to 'Z'); the remaining		
	characters can be alphanumeric (uppercase 'A' to 'Z'		
	or digits '0' to '9'). You can also use a period		
	('.') or underscore ('_').		
Pre-transfer	These are additional commands that will be ran on the remote system <b>before</b> the		
command 8-10	transfer occurs.		
	Note: commands 1-7 are reserved for iDoctor use.		
Post-transfer	These are additional commands that will be ran on the remote system after the		
commands 18-20	transfer occurs.		
	Note: commands 11-17 are reserved for iDoctor use.		

### 7.3 FTP Definition Window

This interface is used to create a new FTP definition or modify/view an existing one.

This is an interface over the QIDRWCH/ADDFTPDFN command.

**Regarding delete local collection after restore option:** STRPAMON/STRDWMON/STRJWMON with an FTP definition using DLTLOCAL(\*YES) will only work properly if the source system has an existing collection in the library being used (not named the same as the monitor). Otherwise, when the local data is deleted after the 1st collection is transferred/restored, DLTPFRCOL will delete the perf files and the next recreated collection will be unable to be restored on the target system due to a possible bug in RSTPFRCOL.

Job log says the source and target are not at the same code level. Using RSTOBJ with ALWOBJDIF(\*ALL) will copy / replace certain files which obviously won't work for this so best to avoid deleting the source collection files if you want to use DLTLOCAL(\*YES). (i.e.) It won't work on a clean library with nothing in it to start with.

The password must be reentered each time changes are made using this interface.

See the previous section for more information about the data to supply on this interface.

FTP Definition 'IDOC720' Properties - Idoc730

Х

The FTP definition's settings are shown below. The password must be re-entered in order to make changes.					
Definition last changed 202	23-08-03-10.33.40.69527	1			
Definition:	IDOC720				
Description:	this sends data to idoo	c720			
Remote system or IP:	IDOC720			Match definition name	
Port:	*DFT ~	Secure connection:	*DFT ~		
Target release:	V7R2M0 ~	Data compression:	*LOW ~		
Target library:	IDOC730 ~	Remote collection delete	3	Use a positive/negative number	
Delete local collection after restore?	*YES ~	Applies to JW/DW/PEX or	ıly	on remote system	
User on remote system:	mccargar	Password:			
App ID:	*DFT				
Pre-transfer cmd 8:					
Pre-transfer cmd 9:					
Pre-transfer cmd 10:					
Post-transfer cmd 18:					
Post-transfer cmd 19:					
Post-transfer cmd 20:					
			[	OK Cancel	

### **8** Preferences

The Preferences window allows a user to work with the customizable options in the GUI. Several different categories of options are available.

The Preferences window is accessible via the Edit -> Preferences menu in the Data Viewer or from the Main Window.

### 8.1 Display

The Display page on the Preferences window lets the user work with options that effect the visible presentation of table or graph views in the GUI.

An example of this interface is shown below:

Data Viewer   Misc.   Ser Display   Display - Advanced	nd to IBM   Terminal sessions   Power   Tips   MDI tabs   Generate Reports   KB   Graph Flyovers   Resize   Fonts/Colors   Copy/Export   Scheduling   Confirm   SQL
OK Cancel	
Tab/report titles:	<pre><system>/<library>/<collection> CR[<collection system="">]/<report name=""></report></collection></collection></library></system></pre>
Column labels:	Descriptions (Names) 🗨 🗆 Apply to Main Window
🗹 Tab previews (%)	20  V Old at N months
Tables:	
Thousands separators	s 🕝 Gradients 🔍 Right-click header menu options
Double-click shows ca	Il stack (if availabl Max column width (% of list) 95 💌
Graphs:	
Overview titles:	<system>/<library>/<collection> CR[<collection system="">: <collection start=""> to 💌</collection></collection></collection></library></system>
Rankings titles:	<pre><system>/<library>/<collection> CR[<collection system="">]/<report name=""></report></collection></collection></library></system></pre>
Selection titles:	<system>/<library>/<collection> CR[<collection system="">: <collection start=""> to &lt;</collection></collection></collection></library></system>
Default time grouping:	Collected interval size
Vertical bars	Berline Horizontal bars 25 ▼
X-axis:	✓ Dates
Label limit vert	30  Label limit horz 50
Y1-axis:	Automatic scalin:  Patterns
Selection border width	3  Border limit (bars) 300
Y2-axis:	✓ Widgets Widget size 12 ▼
Situations	□ Contrast Max per bar 1 🔽
	✓ Freeze legend Legend width % 25 ▼

The options available on this page apply to either table views or graph views and each have their own section.

**Titles options**: Use these options to identify how the titles of iDoctor reports should be named. A different format can be used based on the type of graph or report. The dropdown list contains several different possible name formats. Other possible titles are available by modifying the value in the list and including any of the tabs listed below in <>.

<system> - The current system the data resides on <collection system> - The name of the system the collection was created on (if known). <library> - Library name for the collection <library desc> - Description for the library <collection> - Collection name <collection start> - time the collection started (if known) <collection end> - time the collection ended (if known) <report name> - The report description.

•	Tab/report titles
	This value is used to control the format for tabs shown in the GUI built for reports/graphs.
-	Column labels
_	This drop down lets the user determine if field descriptions or short (SQL generated) field names or both
	should be displayed in the column headings for of all table views and the graph legend.
	The choices are:
	- Names
	- Descriptions
	- Descriptions (Names)
	- Name – Descriptions
	Note: Field names will be displayed if the descriptions are not available within the report being viewed.
	Apply to Main Window
	If checked, then the column labels setting also applies to Component list views found in the Main Window if
	the folder contents were created using an SQL statement.

r	
Sec.	Tab previews
-	Mouse over a tab to show a mini screenshot of what's behind it.
	Drop-down list
	This is the percentage of the original screenshot to show in the tab preview.
-	Old at N months
	This lets you decide the number of months to consider a collection as 'Old' which uess a different icon.
0	Thousands separators
•	This option will display thousands separators (as commas) for numeric fields in the table views. (i.e. 1000
	will be displayed as 1,000)
0	Gradients
•	When checked, percentage gradients are drawn in table view cells.
0	Right-click header menu options
•	If checked, right-clicking columns headers in tables shows a menu with options instead of sorting the table in
	descending sequence.
	Double-click shows call stack
_	In JW/PEX, when double-clicking a row in a table, the call stack will be shown if available. Otherwise, the 1st
	graph in the popup menu is shown (if any exist).
-	Max column width
	This determines the maximum column width to use when resizing column widths as a percentage of the total
	list's width.

-	Overview titles
	This is used to control how the title in overview graphs appear.
-	Rankings titles
	This is used to control how the title in ranking graphs appear.
-	Selection titles
	This is used to control how the title in selection over time graphs appear.
•	Default time grouping
_	This option controls the default time grouping to use when opening graphs that show data over time.

# Vertical bars The maximum bars per page for vertical bar graphs Horizontal bars

The maximum bars per page for horizontal bar graphs.

	Dates
	If checked, then the collected interval size x-axis labels will include dates.
	Milliseconds
-	If checked, then the collected interval size x-axis labels will include millisecond granularity.
	Tips
-	If checked, then the X-axis labels will include tips to indicate the data behind the bar such as H for holder in
	Job Watcher.

-	Label limit vert
	This is the maximum number of characters to display on X-axis labels for vertical bar graphs.
-	Label limit horz
	This is the maximum number of characters to display on X-axis labels for horizontal bar graphs.

-	Automatic scaling
_	If checked the graph Y-axis scaling will be adjusted each time the graph is scrolled, and new data is loaded.
	If unchecked, the Y-axis scaling will be set based on the values provided in the 1st page of the graph and not
	changed when scrolling to other data.
$\square$	Patterns
0	If checked, various shapes or lines will be drawn into graph bars instead of using solid colors. Helps if
	colorblind.
-	Selection border width
_	(2-10) This effects how selected columns in the graph legend will appear on the graph. This is the number of
	pixels to draw the black border for bars that are selected.
-	Border limit (bars)
	(100+) This is the maximum bars where a black border will still be drawn around bars. Once this is
	exceeded, the border will disappear to avoid showing too much black on the graph.

	Widgets If checked, widgets will be displayed on graphs. Widgets are shapes (cirlces, triangles, squares, etc) that display at Y2 points on the graphs for certain fields.
•	Widget size This indicates how big widgets will appear by default on graphs. This roughly equates to the number of pixels to give the widget but this will vary based on windows scaling settings. You must clear the GUI's cache or restart the GUI for changes to this value to take effect.
•	Situations If checked, Situations will be displayed on graph backgrounds. Run the Collection Summary and Situtional Analysis analyses to enable.

$\square$	Contrast
0	If checked, Situations will be displayed on the graph as the opposite of the Y1 setting for patterns. If patterns
	are in use, then solid background colors are used for situations.
•	Max per bar
	The is the maximum number of situations to draw per bar.
	Freeze legend
0	This option will prevent a user from resizing a graph's legend beyond a certain size (width) but provides the
	benefit of forcing the legend to remain at a certain percentage of the total graph window's size.
-	Legend width %
	(0-50%) This is the percentage of the graph window that the legend will occupy horizontally.

# 8.2 Display – Advanced

This page contains less frequently used options for graphs and to determine which Panes to show by default.

Terminal s	essions		Power		Tips	MDI	tabs
Display	Display -	Advanced	Graph Flyover	s Resize	Fonts/Colors	Copy/Export	Scheduling
ок		Cancel					
Graph Vi	ews:						
🖂 Sho	w table po	sition					
		Font	size: Auto	•			
	Bars r	required to zo	oom: 5	Mous	e wheel scroll %	5	
Use	variable-w	idth bars					
🗌 Sor	t CSI Graph	i History data	in ascending ti	me sequence.			
Main Wi	ndow Pane	s shown:			Autohic	de mode	
🗌 Gra	phs	🕑 IFS	C	Active jobs	All	None	
🔽 Obj	ects	Outp	ut queues 🗌	) Spool files			
		🗌 Obje	ct lock info	) User profiles			
Data Vie	wer Panes :	shown:			Autohic	de mode	
C Find	I	🗌 Data	C	Active jobs	Alterna	te views	

$\sim$	Show table position
_	This shows lines on the graph to indicate where the table below the graph is positioned.
•	Font size
	Specifies the font size for the graph. Use 'Auto' to have the size automatically adjusted based on the graph window size.
	Bars required to zoom
	This option can be used to change how many bars are needed to perform a zoom operation. If this value is
	set to a small number, then it will be more likely that the user will accidentally perform a zoom.
	Mouse-wheel scroll %
	This value indicates what percentage of all bars in the entire data set each click of the mouse wheel will move
	the graph. For example, if you have 1000 bars and this value is 10, then each movement of the mouse wheel
	will scroll the graph 100 bars or 10% of 1000.
	llee veriekte kere
	Use variable-width bars
_	in checked, then all time-based graphs that support it will be automatically opened in variable-width bar graph
	Sort CSI Granh History data
$\Box$	If checked, then CSI graph history graphs will show the oldest data first
0	Main Window - Autohide mode
$\cup$	If checked, then the autohide pushpin in the top right corner of Main Window panes will be enabled by
	default.
	Main Window - Graphs – User profiles checkboxes
$\cup$	These control which Panes are shown in the Main Window or use the All/None buttons.
$\square$	Data Viewer - Autohide mode
0	If checked, then the autohide pushpin in the top right corner of Data Viewer panes will be enabled by default.
$\square$	Data Viewer - Find – Alternate views checkboxes
0	These control which Panes are shown in the Data Viewer.

# 8.3 Graph Flyovers

These options control which additional fields are shown in graph flyovers for Job Watcher, CSI, PEX or all other iDoctor components

Terminal s	sessions	Power		Tips	1	VIDI tak	)5		Gene	rate Rei
Display	Display - Advanced	<b>Graph Flyovers</b>	Resize	Fonts/Col	ors Copy/Exp	port	Scheduling	Con	firm	SQL
ок	Cancel									
These o Note: Th	ptions control the additi nese ONLY appear if the	ional fields to appea y exist in the SQL sta	ar in graph atement.	n flyovers.						
lab Wat										
JOD Wat	cher:									
TOTTD	es, totact, totidl, tde	JOBNAME, CURRUP	, JOBSBS,	POOL, WOOBJ	NAM <mark>, HT</mark> ASKNAI	ME, SQ	LJOBNAME, (	QRO_H4		
JOBS, T	THREADS, CSCOL, DWCC	dl, Pacol, Interval	.s, mindt	etim, maxdte	TIM,					
									¥	
Collectio	on Services Investigator:									
TOTTDE	ES, TOTACT, TOTIDLE, JBO	CUSR, JBSSYS, JBPOO	DL, SUBMI	TTER, JWCOL,	DWCOL, PACOL,	INTER	/ALS, MINDTE	TIM, M	•	
PEX Ana	lyzer:									
TOTTO	ES INTERVALS MINDTE	TIM MAXDTETIM								
		,,								
									Ŧ	
All other	r components:									
INTERV	ALS, MINDTETIM, MAXE	DTETIM,							A	
									_	
	h Watahar									
	o vvatcner	mn names for	flyovo	r fielde to	add to Job	\//	chor area	he		
	lection Service	s investigat	or			vval	uner yrap	113.		
Th	ese are the colu	mn names for	· flvove	r fields to	add to Coll	ectio	n Service	es Inv	estid	nator
			inyove			0000			oout	Jaior

### PEX Analyzer

These are the column names for flyover fields to add to PEX Analyzer graphs.

These are the column names for flyover fields to add to all other components.

### 8.4 Resize

This page controls settings relating to graph resizing as well as behaviors when using the Full screen mode.

Terminal sessions	Power		Tips	MDI ta	bs	Gen
Display Display - Advanced	Graph Flyovers	Resize	Fonts/Colors	Copy/Export	Scheduling	Confirm
OK Cancel						
Resize contro	ols 🗹 Minimally				•	
Visible drop-down list it	ems: 30	•				
Minimally override	(%): 20	•				
Compact override	(%): 33	•				
Standard override	(%): 50	•				
Full screen options:						
Show menu						
Show toolbar						
🗹 Autohide panes						

-	Resize controls
_	This enables/disables automatic resizing of interfaces in the GUI.
	Drop-down list
	This controls how much of the resizable area the resized controls should consume. Minimally requires a font
	size of 12 or less. Compact requires 14 or less. Standard requires 16 or less.
-	Visible drop-down list items
	This option controls how many items should appear in a combo box when the list is opened.
-	Override %
	Use this to customize the percentage of the desktop controls will use when resizing. A smaller value makes
	controls appear closer together, a larger value uses more space to handle larger fonts better.

	Full screen options (use F11 to activate)
-	Show menu / toolbar
	Uncheck this to have the menu / toolbar hidden while using Full screen mode.
	Autohide panes
	Uncheck this to leave panes alone while using Full screen mode.

# 8.5 Fonts/Colors

This screen allows customization of the font used in the GUI as well as color options for various types of UI.

Terminal sessions		Power		Tips	, I	MDI tab	s	
Display Displa	y - Advanced	Graph Flyovers	Resize	Fonts/Colors	Copy/Exp	port	Scheduling	Con
ОК	Cancel							
🕑 Customize foi	nts/colors							
	Font: Segoe	e UI, 10			Ch	ange		
Fixed	width font: Couri	er New, 10			Ch	ange		
		Reset						
Wi	ndow	Change	W	indow text	Ch	ange		
Active hig	hlight	Change	Hig	ghlight text	Ch	ange		
Inactive hig	hlight	Change						
	Тір	Change		Tip text	Ch	ange		
	Find	Change	c	urrent find	Ch	ange		
Active ta	b text	Change	Inacti	ve tab text	Ch	ange		

# 8.6 Copy/Export

This screen contains settings relating to Copy to Clipboard and Export functions in the GUI.

IBM i Connections 1 iDoct	or Update History	2 Idoc730: Job Watcher	4 Idoc730: M	onitor Wizard	6 Preferences
Terminal sessions	Power	Tips	MDI ta	bş	Generate Re
Display Display - Advanced OK Cancel	Graph Flyovers	Resize Fonts/Colors	Copy/Export	Scheduling	Confirm SQL
🗸 Use CSV text format 🗸	Add quotes aroun	d text values			
🕑 Include field headings 🛛 🔽	Use multiple lines				
Сору:		Export:			
Copy visible columns only		🕑 Expo	ort all data		
🕑 Copy all data	Copy tree				
HTML options:		HTML c	options:		
Table border	1		Table bo	order 1	]
Table cellpadding	1		Table cellpad	Iding 1	
Table cellspacing	1		Table cellspa	acing 1	
Use CSV text format If checked, then CSV ar	nd HTML forma	ats will be used when c	opying data v	when using th	ne CTRL+C or
Selection menu options format.	. Note: The Co	ppy Window option alw	ays uses TS	/ format (tab	-separated) and
Add quotes around te	<b>xt values</b> alue will contai	n single quotes (') arou	ind them for c	columns that	are not numeri
using Copy or Export fu	inctions.				
Include field headings	<b>6</b>				
Export functions. The t	ames and/or de ype of heading	data included will mate	ded in the firs	t line data wh t table's heac	nen using Copy ling.
Use multiple lines	e lines are crea	ted for headers (if nee	ded), when c	opyina/expor	ting text format
If checked, then multiple					<b>U</b>
If checked, then multiple This only applies to table	les built using S	SQL.			
If checked, then multipl This only applies to tabl	les built using S	SQL.			

	in one offering the original are included when eopying data. Note: when pacing into outlook of
	Word having too many columns will cause unusable results.
	Copy all data
0	If checked, then all rows are included up to a max of 100K rows, when using the Copy Window function. This
	could potentially cause long delays and extra trips to the server to get more data.
	Copy tree
)	If checked, the Copy Window function for component views will include the visible tree data.
	HTML options
	When copying table data to HTML format, this defines attributes used on the <table> tag.</table>



# 8.7 Scheduling

The scheduling page allows you to define the default start time when scheduling collections in iDoctor. The default is 1 hour from the current date and time.

Terminal s	essions	Pow	er	1	Tips		VDI tabs		Gener
Display	Display - Advanced	Graph	Flyovers	Resize	Fonts/Colors	Copy/Exp	port Sch	heduling	Confirm
ОК	Cancel								
These in	dicate how much beyor	nd the cur	rrent date a	nd time th	e default will be.				
	Default scheduled	I date:	+ 5		day(s)				
	Derdale Senedaled	, auter	·		uuy(s)				
	Default scheduled	l time: ·	+ 1		hour(s)				

# 8.8 Confirm

This page contains a set of preferences to control whether you are prompted for confirmation before performing various actions in the GUI.

	Misc.	Senu	TO IRIM	Termina	al sessions	Power	Tips	MDI tabs	Genera	te Reports	I KB
Display C	Display - Advan	ced 🛛	Graph Fly	overs	Resize	Fonts/Colors	Copy/E	xport	Scheduling	Confirm	SQL
ок	Can	cel									
Check f	or new builds			Check	for .NET						
Prompt	when closing D	ata Vie	wers	Prom	pt on exit						
				< Confir	m ASP select	tions					
				🗹 Confir	m before en	nailing reports					
< Prompt	before graphir	ng multi	iple collecti	ions							
✓ Select s	ystem when op	ening S	QL editor								
Confirm	use of query d	lefinitio	n if SQL co	mments	will be lost						
Show o	ptions when rur	nning Pl	EX analyses	5							
Confirm	n before running	a Chanc	ae sensitive	user dat	ta analysis						
					,						
Check This o promp Promp Indicat	tor .NET ption will ch ted to instal pt when clo	<u>s.</u> ieck fo II it.	or the re	quired	level of .	NET when a	starting t	he GUI.	lf not fou	und, then	you will
closed Prom Indicat applica them a	tes if the us all views w pt on exit tes if the us ation is end are shut dow	er sho vithin i er sho ed (cl vn wit	Data Vi ould be it are sh ould be lose mai thout co	warned warned warned n wind nfirmat	d before c n without d before c ow or Use ion.	losing a Da confirmatic losing the i e File ->Exi	nta Viewe n. Doctor a t menu)	pplication	checked a on. If unc Data Viev	and a Data hecked ar vers and v	a Viewe
closed Prom Indicat applicat them a	tes if the us <u>I all views w</u> pt on exit tes if the us ation is end are shut dov rm ASP sel cked, you w	er sho vithin i er sho ed (cl vn wit ectio ill be j	Data Vi ould be ould be ose mai thout co ns prompte	warned warned warned n wind nfirmat	d before c n without d before c ow or Use ion.	losing a Da confirmatic losing the i e File ->Exi SP when o	nta Viewe n. Doctor a t menu)	er. If un pplicatio then all isk grap	checked a on. If unc Data Viev hs in CSI	and a Data hecked ar vers and v and Disk	a Viewe nd the views w Watche
Closed Prom Indicat applica them a Confin If chec the co	tes if the us d all views w pt on exit tes if the us ation is end are shut dow rm ASP sel cked, you w llection has	er sho vithin i er sho ed (cl vn wit ectio ill be j data	Data Vi ould be it are sh ould be lose mai thout co ns prompte from mu	warnec warnec warnec n wind nfirmat d to se ultiple A	d before c n without d before c ow or Use ion. elect an A ASPs. Th	losing a Da confirmatio losing the i e File ->Exi SP when of is action wi	ta Viewe on. Doctor a t menu) pening d	er. If un pplicatio then all isk grap e data b	checked a on. If unc Data Viev hs in CSI by the des	and a Data hecked ar vers and v and Disk sired ASP(	a Viewe nd the views w Watche
closed Prom Indicat applicat them a Confin If chec the co Confin If chec is enal	tes if the us all views w pt on exit tes if the us ation is end- are shut dow rm ASP sel cked, you w llection has rm before e cked, you w bled.	er sho er sho ed (cl wn wit ectio ill be p data maili ill be p	Data Vi ould be it are sh ould be lose mai thout col ns prompte from mu ing repo prompte	warnec ut dow warnec n wind nfirmat d to se ultiple A orts d befor	d before c n without d before c ow or Use ion. elect an At ASPs. Th re using th	losing a Da confirmation losing the i e File ->Exi SP when on is action with he Generat	ta Viewe on. Doctor a t menu) pening d <u>Il filter th</u> e Repor	er. If un pplicatio then all isk grap e data t	checked a on. If unc Data Viev hs in CSI by the des on if the E	and a Data hecked ar vers and v and Disk sired ASP(	a Viewe nd the views w Watche (s).
Closed Prom Indicat applicat them a Confin If chec is enal Prom	tes if the us d all views w pt on exit tes if the us ation is end are shut dow rm ASP sel cked, you w llection has rm before e cked, you w bled. pt before g	er sho er sho ed (cl wn wit ectio ill be   data maili ill be   raphi	Data Vi ould be it are sh ould be ose mai thout con ns prompte from mu ing repo prompte	warned warned warned n wind nfirmat d to se ultiple A orts d befor	d before c n without d before c ow or Use ion. elect an As ASPs. Th re using the billections	losing a Da confirmatic losing the i e File ->Exi SP when o is action wi he Generat	ta Viewe on. Doctor a t menu) pening d Il filter th e Repor	er. If un pplicatio then all isk grap e data t ts functi	checked a on. If unc Data Viev hs in CSI oy the des on if the E	and a Data hecked ar vers and v and Disk sired ASP( Email repo	a Viewe nd the views w Watche <u>(s).</u> rts to c
Closed Prom Indicat applicat them a Confin If chec is enal Prom If chec	tes if the us all views w pt on exit tes if the us ation is end- are shut dow rm ASP sel cked, you w llection has rm before e cked, you w bled. pt before g cked, you w	er sho vithin i er sho ed (cl wn wit ectio ill be   data maili ill be   raphi ill be	Data Vi ould be it are sh ould be lose mai thout col ns prompte from mu ing repo prompte ng mult	warnec ut dow warnec n wind nfirmat d to se ultiple A orts d befor	d before c n without d before c ow or Use ion. delect an A ASPs. Th re using the pllections re graphir editor	losing a Da confirmation losing the i e File ->Exi SP when on is action with he Generat	ta Viewe on. Doctor a t menu) pening d Il filter th e Report	er. If un pplicatio then all isk grap e data t ts functi ns.	checked a on. If unc Data View hs in CSI by the des on if the E	and a Data hecked ar vers and v and Disk ired ASP(	a Viewe nd the views w Watche (s).

	Confirm use of query definition if SQL comments will be lost
_	If checked, you will be prompted when opening the query definition interface if the SQL statement contains
	comments. All comments will be lost when using this interface. Use the SQL editor instead if you need to
	preserve these or require full SQL functionality.
$\sim$	Show options when running PEX analyses
-	If checked, you will be prompted when running most of the PEX Analyzer trace analyses to specify a desired
	time range to filter by.
$\sim$	Confirm before running Change sensitive user data analysis
_	If checked, you will be prompted before running the Change sensitive user data analysis in Job Watcher or
	Collection Services Investigator.

# 8.9 SQL

This page contains a set of preferences related to the ODBC driver, SQL statement processing, field and row limits and CHGQRYA defaults on the IBM i to use.

Data Viewer Misc.	Send to IBM	Terminal sess	ions Pow	er	Tips	MDI tak	os	Generate	Reports	КВ
Display Display - Ad	vanced Graph Fl	overs Resiz	ze Fonts/	Colors	Copy/E	xport	Schee	duling	Confirm	SQL
ОК Са	ncel									
				_						
	Maximu	m text field byte	es to retrieve:	265	265	- 32768				
Maximum rows	per fetch: 200		Access:	500						
Minimum rows	per fetch: 200	Maximum	rows cached:	2000						
🗹 Display create store	d procedure progres	s at startup								
Override client code	page setting with:			0						
Enable ODBC - EXTO	COLINFO setting to g	et field labels								
Show all ODBC calls	in iDoctor Messages	View (SLOW!)								
Change Query Attrib	utes Options (require	s *JOBCTL)								
Pi	rocessing time limit:	Default	▼ sec	onds						
	Temp storage limit:	Default	👻 meg	gabytes						
Parallel	processing degree:	Default	-							
Options file:	Library:	Default	•							

	Maximum text field bytes to retrieve This value represents the maximum number of bytes to retrieve for any text field in an SQL statement (32K max). Keep in mind that specifying a very large number for this value can result in more fetches being required and slower responses from the GUI. Note: This value * max row set size preference cannot exceed 512K bytes.
	<b>Note:</b> It certain functions, this limit is exceeded automatically for usability reasons. In other functions like viewing data within a table, data will be <b>truncated</b> when this limit is exceeded. In table views a <b>blue column heading</b> indicates that the data in that column has been truncated.
	Maximum rows per fetch This value is the maximum number of rows to load per ODBC fetch. This is also used to indicate how many rows are skipped/jumped when using the Previous Row Set or Next Row Set buttons on the toolbar to navigate through data. Note: This value * max text field bytes preference cannot exceed 512K bytes.
	Note: Due to problems in the ACS ODBC driver this value should not exceed 200
	Minimum rows per fetch This value is the minimum number of rows to load per ODBC fetch. It should generally match the same value as maximum rows per fetch and different settings has not been well tested.
	Maximum rows cached When scrolling tables, indicates how many rows of data to save in memory before the cache is cleared (per table.) If the Find Pane is visible, then no limit applies.
	<b>Display create stored procedure progress at startup</b> Indicates if the user should be able to view the progress of stored procedures being created when connecting to a system.
	Override client codepage setting with In some DBCS environments it may be necessary to change this value to 1252 (Windows English code page). GUI must be restarted.
	Enable ODBC – EXTCOLINFO setting Uncheck this option to improve performance when running queries but this will mean some reports, especially if opening tables under server-side output files, will not show field descriptions for some fields.
$\sim$	Show all ODBC calls This includes all ODBC API calls in Messages View. This results in worse performance
•	CHGQRYA options Each QZDASOINIT job that iDoctor starts will run command CHGQRYA with any options specified that are not the defaults. This requires *JOBCTL authority.

	That booton starts will fall command of logit 17t with any options specified that are
not the defaults. This	requires *JOBCTL authority.

# 8.10 Data Viewer

The Data Viewer tab in the Preferences window lets the user work with options only related to the Data Viewer window within iDoctor.

An example of this interface is shown below:

OK Car	col		
OK Can	icei		
🗹 Open reports into an	existing Data Viewer		
Segregate reports			
<ul> <li>Never</li> </ul>	⊖ By LPAR names	O By LPAR names / library name	
Maximize reports	🗌 Maximize Data Vie	wers	
Auto-refresh reports	even N seconds (5 - 100	10	
	every in seconds (5 100	10	
Scroll to new data	ata		
Use collected interval	l size groupings on thread	/job selection over time graphs.	
Use collected interval Sort disk rankings gra	aphs SORTY1FIELDS	/job selection over time graphs.	
Use collected interval Sort disk rankings gra Show situations inform	I size groupings on thread aphs SORTY1FIELDS mation before opening gra	/job selection over time graphs.	
Use collected interval Sort disk rankings gra Show situations infor Name length for	I size groupings on thread aphs SORTY1FIELDS mation before opening gra generic name graphs: 6	/job selection over time graphs. aphs Start position: 1 -	
<ul> <li>Use collected interval</li> <li>Sort disk rankings gra</li> <li>Show situations inform</li> <li>Name length for</li> </ul>	I size groupings on thread aphs SORTY1FIELDS mation before opening gra generic name graphs: 6 Tree table max rows 30	/job selection over time graphs.	
<ul> <li>Use collected interval</li> <li>Sort disk rankings gra</li> <li>Show situations inform</li> <li>Name length for</li> <li>Tr</li> </ul>	I size groupings on thread, aphs SORTY1FIELDS mation before opening gra generic name graphs: 6 Tree table max rows 30 ree table warning rows 11	/job selection over time graphs.	

2	Open new reports into an existing Data Viewer					
_	If checked and opening iDoctor tables/graphs, an existing Data Viewer will be used if one is available.					
0	Segregate reports					
•	3 options are provided to control which Data Viewer a newly opened report will go into (if not otherwise					
	specified):					
	<ul> <li>Never - Use this option if you do not wish to group your reports by LPAR names.</li> </ul>					
	- By LPAR names - Use this option if you wish to group your reports by LPAR names. Two LPAR					
	names will be shown in this format [current system / collected on system].					
	- By LPAR names / library name - Use this option if you wish to group your reports by LPAR name					
	and library name. Two LPAR names will be shown in this format [current system / collected on					
	system]. The library name on the current system where the data resides will also be shown.					
$\sim$	Maximize reports					
_	When checked every view opened into a Data Viewer is maximized. <b>Tip:</b> This only applies if the MDI tabbed					
	style is set to None.					
$\sim$	Maximize Data Viewers					
_	This option indicates if Data Viewers should be automatically maximized when they are opened.					
	Auto refresh reports every N seconds					
-	This lets the user specify how often to auto refresh reports in the Data Viewer that are over currently active					
	collections. Note: only the report with the current mouse pointer focus will get refreshed every N seconds.					
	Scroll to new data					
_	This indicates that after an auto refresh occurs the scrollbar should be adjusted to scroll to the end of the					
	table or graph. This can be useful if new data is consistently being added to the end of the report.					

<ul> <li></li> </ul>	Use collected interval size groupings on thread/job selection over time graphs. Normally the overtime graphs will honor the default time range size preference. However, if this option is checked, when opening a graph showing a single job/thread over time, the time range will always be set to the collected interval size. This option is checked by default. Sort disk rankings by This option controls how disk graphs are sorted in CSI, PEX and Disk Watcher. Tip: The SORTY!FIELDS special value indicates that the sort order is the summation of all Y1 fields in descending sequence
L	
	Show situations information before opening graphs This indicates if the Situations found in a collection are displayed in the graph background as a graph is loaded in both CSI and JW.
•	Name length This option can be used to indicate how many characters of the name to use for the generic name graphs shown in iDoctor and also the start position within the name to use. This option can apply to job names, disk resource names, etc. Start position This value indicates the starting character within the generic name (typically 1). For example: If you have
	names that commonly end in a certain set of characters starting at position 4 you may want to change this setting.
	<b>Tree table max rows</b> This is the maximum allowed rows for tree tables. Beyond that the tree table report can't be created.
	Tree table warning rows This is the limit for tree table reports where a warning is shown if exceeded.

### 8.11 Misc.

This page contains a set of preferences to control some miscellaneous features.

ips	M	DI tabs			Gen	erate Reports			
isplay Display - Advanced	Graph Flyovers	Resize	Fonts/Colors	Copy/Expo	rt Scheduli	ng Confirm	SQL	Data Viewer	Misc.
OK Cancel									
Exclude system names in titles									
🗹 Display update history		🗹 Display	splash screen						
Always run analyses in batch		Reoper	component at s	tartup					
□ Keep connections alive		15	minutes						
Recreate stale connections		60	minutes						
□ Verify IBM i connections (DB, C	DBC, RmtCmd)								
Developer mode		🗌 Maximi	ze the Main Wind	dow					
Set QIDRGUI library owner to	QSECOFR								
Enable debug logging in Appl	Data	Open a	ppdata						
Log SQL statements	Log .MDB S	QL							
□ Sort analyses by name									
Copy crash dumps to C:\Crash	nDumps\iDoctor	3	dumps kept						
Maximum collections/objects:									
JW: 500 CSI:	500 PEX	500	DW: 500	Other:	5000				

	Exclude system names in titles
0	This option is used to remove system names from the window titles shown in iDoctor.
<	Display update history
_	Indicates if the iDoctor Update History screen should be shown when starting the iDoctor client. This panel
	lists the most recent changes made to iDoctor.
<	Display splash screen
-	Indicates if the iDoctor splash screen with copyright notice is shown when iDoctor is started.

Always run analyses in batch This option will cause the Analyses -> Run Analysis XYZ menu options to always run the analysis in a batch job instead of the <u>Remote SQL Statement Status View</u> . If you are working with large collections this may be
Reopen component at startup If checked, the splash and update history screens are skipped when starting and the last used component/system is reopened using the Filter pane search function.

	Keep connections alive
-	If checked, then all IBM i QZRC* and QZDA* connections will issue commands to keep them active every N
	mins (where N is specified in the text box next to this option.) NOTE: If this is NOT checked, and the QZDA*
	connection is older than the number of minutes specified when a fetch is attempted, the SQL statement will
	be reran instead to avoid a potential hang.
	Recreate stale connections
0	If checked, then QZRC* and QZDA* connections will be automatically destroyed and recreated after N
	minutes of inactivity without trying to disconnect them first (which would hang). This is useful on systems
	where CHGTCPA is set to too high and the socket connections within the jobs are timing out. The minimum
	value allowed is 30 minutes.
	Verify IBM i connections
0	If checked, then when making IBM i connections, extra checks are made to ensure that Database, ODBC and
	Remote Command host servers are ready for use. Enabling this option is better for error handling to tell you
	if a system is not setup properly but this will slow you down a bit.

		Developer mode
	0	Check this option to enable features useful to iDoctor developers or to modify the reports shown in iDoctor
		using the MS Access .mdb files.
	$\square$	Maximize the Main Window
	0	Check this option if you wish to have the Main Window maximized at iDoctor startup.
ĺ	$\square$	Set QIDRGUI library owner to QSECOFR
	0	In some environments, this may be necessary to avoid problems when trying to analyze nmon data.
ĺ	$\square$	Enable debug logging in AppData
	0	If checked, this will create a log file in the user's AppData environment variable under the \\IBM\\iDoctor
		subdirectory. An iDrDebug*.log is created each time the GUI runs to help aid debugging issues.
		Log SQL Statements
		If checked, all SQL statements (except for internal ones to local iDoctor databases) will be captured. Use
		caution when using this option because running multiple graphs/queries at the same time could crash the
		GUI.
		Log MDB SQL
		If checked and logging SQL statements, then even the SQL statements used by iDoctor to local databases
		(such as iDocJW.mdb) will be logged.
1	_	Cart analysis by name

	Sort analyses by name
)	If checked then analyses listed in the Analyses menu will be sorted by analysis name instead of popularity.
	Copy crash dumps to C:\CrashDumps\iDoctor If checked then any iDoctor crash dumps found on the PC will be copied to C:\\CrashDumps\\iDoctor. This occurs at the next startup after a crash previously occurred. Specify how many dumps to keep in the
	textbox.
	Maximum collections/objects
	These options are used to control how many collections are returned when displaying a list of collections in a
	library or other type of containing folder. This is most useful in cases where you have performance delays
	building lists of collections and only need to see the top N collections.
	Note: With the redesigned collections database, the maximum collections any library can display is now 500.

### 8.12 Send to IBM

This page contains a set of preferences to control how data will be sent to IBM. These settings apply to the Transfer to IBM functions.

**Tip:** In order for the Use QMGTOOLS FTP2IBMCMD \*IBMSDDUU option to be successful, your password must have been previously set on the IBM I using the GO MG menu option 25 (STORFTPPWD)

command.) Afterwards, within this interface the IBM ID/password fields should be set to **\*STORED** and blank

Display   Display - Advanced	Graph Flyovers Resize	Fonts/Colors	Copy/Export	Scheduling	Confirm	SQL
Data Viewer Misc. Send to	• IBM Terminal sessions	Power Tips	s MDI tabs	Generate F	Reports	KB
OK Cancel Case	TS123456789					
IBM ID / password	*STORED					

<b>Case</b> This should contain the desired case number. This value will be prefilled on the Transfer Data window.
<b>IBM ID/password</b> If using QMGTOOLS/FTP2IBMCMD to send data to IBM, the IBM ID value should be <b>*STORED</b> and password should be blank. If not using QMGTOOLS, then these values are used to make the connection to IBM using QIDRGUI/FTPFILE command.

# 8.13 Terminal Sessions

This tab contains a set of preferences related to IBM Personal Communications (PCOMM) as well as IBM i Access Client Solutions terminal (green screen) sessions.

Display Display - Advanced (	Graph Flyovers Resize	Fonts/Color	S Copy/Expo	rt Scheduling	Confirm	SQL Data Viewer
Misc. Send to IBM	Terminal sessions	Power	Tips	MDI tabs	Generate Repo	rts KB
OK Cancel						
Sessions directory (*.ws):	C:\Green Screen Sessions\					
PCOMM directory:	C:\Program Files (x86)\IBM	\Personal Comm	unications\			
ACS launch string:						

	Sessions directory
	This is the location where .ws files are stored that iDoctor should utilize.
	PCOMM directory
<b>A</b> *	This is the directory where IBM Personal Communications is installed.
	ACS launch string
	This is a copy of the ACS launch string used when starting green screen sessions.
	It is stored in the Windows registry but listed here to your awareness. Be careful with changing this value.

### 8.14 Power

The Power page on the Preferences window lets the user work with options that only apply to non IBM i systems (HMC or VIOS.)

Since the Power Connections function has been removed, these options mostly no longer apply to anything but still listed here for the time being. In the future, some of these options will be removed.

Display	Display - Advanced	Graph Flyovers	Resize	Fonts/Colors	Copy/Expo	ort	Scheduling	Confir
Misc.	Send to IBM	Terminal sessio	ns	Power	Tips	MDI	tabs	Generat
ОК	Cancel							
🗌 Displa	y hidden files and direct	ories						
Show	Java (debug) windows							
	Java options:	-Djava.net.preferIP	/4Stack=tr	ue -Dcom.ibm.jss	e2.disableSSLv3=	=false	]	
	Putty install directory:	C:\putty\			Bro	wse	]	
🗹 Hide i	nactive disks in the VIOS	disk mapping						
	e debug messages in job	log when creating	a disk map	oping				
	le ASP filtering options (if	f used only includes	the disks i	n the disk mappi	ng)			
	Disk name filter:	Exclude EMC/Powe	rpath			•	]	
	Script directory:	/tmp/idoctor/					]	
	Data directory:	/tmp/idoctor/data/	'				]	

### 8.15 Tips

The Tips tab lets the user work with preferences related to tooltips that appear in dialogs, wizards and property pages.

**Note:** Tables and lists use tracking tooltips by design that are shown immediately when needed and these settings do not apply to them.

Misc.	Send to IBM	Termina						
OK		1	al sessions		Power	Tips	MDI tabs	
OK	Cancel							
	Initial d	lelay time:	1000	1	00 - 999999 ms			
	Vis	sible time:	10000	00 100 - 999999 ms				
	Res	how time:	400	1	00 - 999999 ms			
	Maximum o	characters	2500	1	00 - 5000 charac	ters		
	Maxim	um width	50	5	5 - 100 % of desk	top		
🗹 Include all r	non-zero Y2 fields in	i graph flyo	vers					
🗹 Only includ	e numbered flyover	fields that i	match the cu	irrent s	election (ends wi	th _NN)		
🕑 Include det	ailed job descriptior	ns in graph	flyovers if av	vailable	2			
Disable too	🗆 Disable tr	ree tips	5					
Disable table tips			Disable graph tips					
🗹 Disable MD	)I tab tips		Disable graph legend tips					
🗌 Disable GU	I tips		Disable s	tatus b	ar tips			

	Initial delay time
•	The amount of time (in milliseconds) the mouse pointer must remain stationary before showing a
	tooltip/flyover in a window for the first time.
	Visible time
••	The amount of time (in milliseconds) the tooltip window will remain visible if the mouse pointer remains
	stationary.
	Reshow time
<b>A</b> *	The amount of delay time (in milliseconds) before showing subsequent tooltips.
	Maximum characters
•	This is the maximum number of characters that should be displayed in an iDoctor tooltip.
	Maximum width
	Maximum number of pixels wide for tooltins

	Include all non-zero Y2 fields in graph flyovers
•	If checked, when viewing graph tooltips, then all Y2 fields (that are > 0) will be displayed. Otherwise only the
	Y2 field that has current focus will be shown in the tooltip/flyover.
0	Only include numbered flyover fields that match the current selection
•	Include only numbered flyover fields (fields that are named XYZ_01, XYZ_02, etc) that match the current
	selection in graph flyovers. i.e. If enabled and field ABC_02 is selected, then XYZ_02 is shown and not
	XYZ_03.
	Include detailed job descriptions
•	This controls whether details about the job name is included in tooltips in Job rankings graphs.
	Disable tips options
$\cup$	These options allow the user to customize if tooltips should be disabled for different parts of the GUI.

# 8.16 MDI Tabs

The MDI Tabs page on the Preferences window lets the user work with preferences related to the MDI Tabs style interface.

Display	Display - Advanced	Graph Flyovers	Resize Fonts/Cold	rs Copy/E	(port	Scheduling	Confirm	SQL	Data View
Misc.	Send to IBM	Terminal sessions	Power	Tips	MDI	tabs	Generate Re	ports	КВ
ОК	Cancel								
MDI Tabl	bed Style								
		○ Standard	<ul> <li>Grouped</li> </ul>						
Show cl	ose button on label o	f the active tab.							
Use col	ors on the MDI tabs.								
🗹 Use a d	own arrow (popup m	enu) to navigate tabs							
🗹 Allow ta	b swapping via drag	and drop.							
🗆 Display	icons on MDI tabs.								
Display tab labels at the bottom.									
□ Add new tabs on the left									
Move N	lessage and Status Vi	ews to bottom of Main	Window						
Minimum tab width (%) 5									
	Max tabs to tile: 4								

0	MDI Tabbed Style
	Use this option to change the current MDI tabbed style being used.
	<ul> <li>Standard – allows users to tile and cascade but you <u>cannot</u> create groups of MDI tabs to compare with</li> </ul>
	other tabs.
	<ul> <li>Grouped – Tabs cannot be tiled or cascaded but you can create groups of MDI tabs in order to make</li> </ul>
	comparisons.
	Tip: This can also be set under the View menu -> MDI Tabbed Style.
$\sim$	Show close button on label of the active tab
-	If checked, then the close button will be visible on the active tab. If unchecked, then the close button will be
	placed at the far right-side of the tabbed group.
$\square$	Use colors on the MDI tabs
$\sim$	If checked, then automatically assign a color to each tab opened.
-	Use a down arrow (nonun menu) to navigate tabs
$\leq$	If checked, then a nonun menu to show all opened views in the tabled group will be available on the right-
	ride of each tabled group. If unchecked, then a left and right arrow buttons can be used to pavigate through
	the open viewe
ļ	
	Allow tab swapping via drag and drop
$\leq$	If checked, then allow tabs to be reorganized within a tabbed group via drag and drop.
	Display icons on MDI tabs
$\cup$	If checked, then icons will be displayed on each tab.
	Display tab labels at the bottom
	If checked, then the tabs will be displayed at the bottom of each tabbed group rather than at the top.
	Add new tabs on the left
	If checked, new tabs are added on the left instead of on the right.
$\sim$	Move Message and Status Views
-	If checked and in MDI grouped mode, then the Remote Command Status View and Remote SQL Statement
	Status View will be moved to a new horizontal tabbed group at the bottom of the Main Window.
	Minimum tab width %
	This is the minimum allowed tab size (as a percentage of the available frame window width).
	May taka ta tila
-	IMAX TADS TO THE
	I his lets you control the maximum number of tabs that will be used when using the Tile Horizontally or Tile
	Vertically functions in Standard MDI mode. The default is 4.

### 8.17 Generate Reports

This tab is used to control preferences related to the Generate Reports function. You can access this function by right-clicking on most types of collections in iDoctor and using the Generate Reports menu.

Display     Display - Advanced     Graph Flyov       Misc.     Send to IBM     Terminal set       OK     Cancel	ers Resize Fon essions Power	ts/Colors Copy/Expor	rt Scheduling MDI tabs	Confirm SQL Generate Reports	Data Viewer KB
Report directory: C:\iDoctor\reports		Browse.	Clear		
IFS directory: /QIBM/UserData/iDoct	or/reports	🗹 Upload	to IFS		
Save As PDF Debug mode	Test DTL				
Email reports to:					
Pages to capture (per re	port): 1				
Run report N	times: 1				
Graph Views:					
Default time grouping Collected in	terval size		]		
Vertical bars (1 - 5000) 300	Horizont	al bars (1 - 300) 20			
1 graph per ASP     Patterns					
□ Situations					
Always show legend Width (0 to	50)% 30				
Graph 1st default drill-down	Graph 2nd def	ault drill-down			
Multiple collections graphed individually					

	<b>Report directory</b> This indicates the location where iDoctor Report Generator files should be generated.
ОК	Browse Use this to change the report directory.
ОК	Clear This deletes everything in the directory listed.
	<b>IFS directory</b> This is the directory where iDoctor reports are copied to on the IBM i. This requires a working FTP connection.
	Upload to IFS The files will only be sent if this option is checked.

Save as PDF
This shows the report as a PDF instead of as an HTML file.
Debug mode
If checked, this option will only show reports that failed with an SQL error.
Test DTL
If checked, this option will only show Detail reports in the report generator window (category DTL). This also
changes the collection menu so is only meant for temporary use.

	9	Email reports to
	_	This option when checked will send the report generated to the email address listed.
		This requires <b>Outlook</b> to be installed on the PC . Manual setup in <b>Outlook</b> is also required and iDector must
		be launched as the administrator. The Outlook setup steps are:
		a. In the outlook search box type macros, then click on Run Macros in the list
		b. In the macros popup, if no macros exist, type a name like "test" and click Create or if a macro exists, then
		C. Within the Visual Basic for Applications window use the File -> Import File option, then navigate and
		select the SendiDoctorMail.bas file which is located in the directory where iDoctor was installed with 1548 or
		higher.
		d. This will load the SendiDoctorMail macro into your outlook installation.
		e. In the outlook search box type "security" and click Security action.
		sign the SendiDoctorMail macro vourself instead.
		Note: When auto emailing the PDF from the report generator this requires that any open instances of Outlook
		will be closed after the report generator is finished in order for the macro to successfully work and send the
Г	_	Pages to canture (ner report)
		This is the number of pages/screenshots to capture per graph or table. If the amount of data in the report
		cannot be shown on a single page and this value is greater than 1, this means the data will be scrolled and
-		an additional screenshot taken N times.
		Kun report N times

These settings are like the settings on the Display tab but only apply to graphs when using the Generate Reports function.

•	Default time grouping
	This option controls the default time grouping to use when opening graphs that show data over time.
	Vertical/horizontal bars
	The maximum bars per page to show for vertical/horizontal bar graphs.
	1 graph per ASP
	If checked, 1 graph will be captured for each ASP found in the data. If unchecked, then only ASP 1 will be
	captured.
	Patterns
	If checked, various shapes or lines will be drawn into graph bars instead of using solid colors. Helps if
	colorblind.
	Situations
	If checked, Situations will be displayed on graph backgrounds. Run the Collection Summary and Situational
	Analysis analyses to enable.
	Contrast
	If checked, Situations will be displayed on the graph as the opposite of the Y1 setting for patterns. If patterns
	are in use, then solid background colors are used for situations.
	Always show the legend
_	If checked the graph legend will be visible when the graph is opened.
	Legend width %
	This value represents the percentage of the graph window that the legend will occupy horizontally.

	Graph 1 <sup>st</sup> default drill-down
	If checked then the 1st default drill-down will be taken and also captured. This is typically a rankings chart
	for the 1st time interval shown. However if initial graph is a rankings, then this will be a selected over time
	chart instead.
ſ	Graph 2 <sup>nd</sup> default drill-down
	If checked then the 1st default drill-down from the level 2 graph (typically a rankings) will be taken and also
	captured. This is typically a selection over time graph but not always.
ſ	Multiple collections graphed individually
	If checked and if selecting multiple collections before running the Generate Reports this option will cause the
	graphs to be created once for each collection rather than combining the data into a single graph.

### 8.18 KB

These preferences apply to the Knowledge Base component.

Display	Disp	olay - Advanced	Graph Flyovers	Resize	Fonts/	Colors	Copy/Export	t Scheduling	Confirm	SQL	Data View
Misc.		Send to IBM	Terminal session	ns	Power	Tip	s	MDI tabs	Generate Re	ports	КВ
ок	:	Cancel									
		Local files directory	C:\iDoctor								
		Default owner				Browse					
	Defa	ult interested parties	5:			Browse					
Outloo	k Emai	il settings (HTML):									
		Label color (hex RGE	3): #000080								
		Text color (hex RGE	3): #000000								
		Label siz	e: _4								
		Text siz	e: 3								
🕑 Inclu	ude PE	)F when using Updat	e and Notify								



Outlook email settings
Label color (hex RGB) This a RGB color in hex. The format must be #RRGGBB.
Text color (hex RGB) This a RGB color in hex. The format must be #RRGGBB.
Label size HTML font size for labels
Text size HTML font size for text
Include PDF when using Update and Notify Indicates if a PDF attachment should be included in the email containing the KB document.

### **9 Record Quick View**

This window is shown when the View -> Record Quick View menu is used for a list or table. The Record Quick View tab shows all data for the selected rows in a vertical list. This can make it easier to see all the data for a single record if many fields exist in the table. You can also make comparisons between multiple rows by selecting them and using the Record Quick View menu.

Tip: Access this window by double-clicking on any record in a table view in the Data Viewer or use the Record Quick View menu option from the Main Window's View menu or popup menu on the desired folder in some cases.



View -> Record Quick View menu from the Main Window

### 9.1.1 Viewing a single row

To view a single row in a table, select a row and use the Record Quick View menu. This is sometimes available on a right-click, or use View -> Record Quick View menu instead.

	1 Idoc730/DEN	102/QUERYPERF [SYSTNAI	ME]/JOB	WATCHER - JO	B WAIT BU	CKET M	APPING 🛛
	Wait bucket number (BUCKETNUM)	Wait bucket description (BUCKETDESC)	Δ	BKRESERVED (BKRESERVED)	Wait type identifier (ENUM)	Wait type code (EYE)	
	32	Abnormal contention		-	402	IMS	I
l	32	Abnormal contention			403	CAS	
l	32	Abnormal contention			404	IMC	
l	32	Abnormal contention	All gra	phs/reports	•	IZE	
l	29	Data queue receives	Record	l Quick View		QMd	
1	16	Database record lock		-		RDr	
	16	Database record lock ( 📄	Сору		Ctrl+C	RDu	
	16	Database record lock 🤇 拱	Export			RDw	

ord Quick View	Report SQL Report colu	nns	
ок	Cancel		
Selected record(s): Vide 0 or blank			
Selected record(s			
Field	P. Vide 0 or blank Description	Record 12	
Field BUCKETNUM	<ul> <li>Hide 0 or blank</li> <li>Description</li> <li>Wait bucket number</li> </ul>	Record 12 32	
Field BUCKETNUM BUCKETDESC	<ul> <li>Hide 0 or blank</li> <li>Description</li> <li>Wait bucket number</li> <li>Wait bucket description</li> </ul>	Record 12 32 Abnormal contention	
Field BUCKETNUM BUCKETDESC ENUM	<ul> <li>Hide 0 or blank</li> <li>Description</li> <li>Wait bucket number</li> <li>Wait bucket description</li> <li>Wait type identifier</li> </ul>	Record 12 32 Abnormal contention 404	

Record Quick View for 1 row

Tip: Use the Hide all 0 or blank values checkbox to remove those values from the list

### 9.1.2 Comparing multiple rows

Select multiple rows in the table, right-click and use the Record Quick View menu to do this:

SÚL	81 📖 🗡	🕺 🖽 🔿 📓 🕓	=	୍ ଏ   🕫 🌗	M   53 🗆	21   🕇 י	•	$\leftarrow \rightarrow$		
1	ldoc730/DEN	102/QUERYPERF [	SYST	[NAME]/JOB	WATCHER - JO	DB WAIT E	BUC	КЕТ МА	PPIN	G 📕
Wait b numb (BUCK	oucket er (ETNUM)	Wait bucket descr (BUCKETDESC)	iptio	$^{n}$	BKRESERVED (BKRESERVED)	Wait typ identifie (ENUM)	e r	Wait type code (EYE)		
32		Abnormal conten	tion			4	02	IMS		
32		Abnormal conten	tion			4	03	CAS		
32		Abnormal conten	tion			4	04	IMC		
32		Abnormal conten	tion			4	05	IZE		
29		Data queue recei		All graphs /r/	norte	3	41	QMd		
16		Database record		All graphs/re	ports	1	10	RDr		
16		Database record		Record Quic	k View	1	11	RDu		
16		Database record	_			1	23	RDw		
16		Database record	Ð	Сору	(	Ctrl+C 1	34	Rxf		
16		Database record	B	Export		1	36	Rck		
16		Database record		Export Solor	tion	1	39	Rcx		

This will show the rows side-by-side with an area on the right side of the screen which is used for the analysis checkboxes at the top of the screen. The Analysis options are: Min, Max, Avg, Sum, Delta and All

Re	cord Quick View	/QUERYPERF [SYSTNAME]/ Report SQL Report colu	JOB WATCHER - J 2	Idoc730/DEMO2/QUER	YPERF [SYST	[NAME]/Collection overvi.,/	6 JW DEMO2/QUERYP	ERF Quick View Prop	erties - Idoc730 🗙	
	OK Selected record(s	Cancel			C	]Min □Max □Avg □S	Sum 🗌 Delt: 🗌 All			
	Field	Description	Record 13	Record 14						
n C	BUCKETNUM BUCKETDESC ENUM EYE	Wait bucket number Wait bucket description Wait type identifier Wait type code	32 Abnormal contention 405 IZE	29 Data queue receives 341 QMd						
Co	mparing 2	2 rows								

	1 Idoc730/DEMO2/	QUERYPERF [SYSTNAME]/		Idoc730/DEMO2/QUERY	/PERF [S	YSTNAME]/Collection	overvi,		
	Record Quick View	cord Quick View Report SQL Report columns							
	OK Selected record(s)	Cancel				🗌 Min 🗹 Max 🗍 A	wg 🔽	Sum 🗍 Delta 🗍 All	
	Field	Description	Record 13	Record 14		MAX	SUM	1	
	BUCKETNUM	Wait bucket number	32	29		32	61	-	
	BUCKETDESC	Wait bucket description	Abnormal contention	Data queue receives		Data queue receives			
	ENUM	Wait type identifier	405	341		405	746		
	EYE	Wait type code	IZE	QMd		QMd			
1									

Showing results for the Max and Sum options on 2 rows

# **10 SQL Editor**

When first using the New SQL Editor option a list of IBM i systems from your connection list will be shown. A value must be selected from the list. If you want to connect to a different system then add the connection with the IBM i Connections View first.

System Selection		×
Select the desired system to run SQL statements over.		
Available systems:		
System OS name VBM		
Idoc730		
System name or IP address:		
	ОК	Cancel

An SQLEditor window consist of an editable text view above a table view which initially will appear as blank with an error.

My New Environment 1 iDoctor Update History 2 Idoc730: SQL Query View 🛛
III 2 Idoc730: SQL Query View
06.05.56.142 - Error: SQL statement is blank.
COL should be united using Queters again a second time. Drive with this reasons that LIDDADY/EU E surface
SQL should be written using System naming convention. Primarily this means that LIBRARY/FILE syntax
Should be used father than LIDRART.FILE.
If multiple SQL statements are needed, then those should each end with a semicolon.
Right-clicking within the SQL editor shows these options:
Menu
Execute (F4)
These are options for running the SQI statement(s).
Display Job Log
Open the job log for the QZDASOINIT behind this interface.
Active job options
This provides various options to work with the job behind this interface.
Create SQL Table
This option creates a new SQL table on the system using the WITH or SELECT statement found in the SQL edit
You will be prompted for a library and file name.
Convert SQL naming to System naming
This will convert SQL statements created with other tools to System naming convention, so it works in iDoctor.
Convert System naming to SQL naming
This will convert SQL statements using System naming convention and change it so it will run in other tools like
AUS RUN SQL Scripts.
Launch SQL III Run SQL Scripts
This opens the Find Pane so you can locate something within the SOL Editor
Find Next (F3)
This positions to the next occurrence when using the Find Pane. Shift+F3 will find the previous occurrence
Replace (CTRI +H)
This can be used to replace 1 or more occurrences of something in the SQL editor with something else
Select All (CTRL+A)
Select the entire contents.