

International Technical Support Organization

## Using the CPSM WUI

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the power of one



# Redbooks Workshop

IBM ITSO - International Technical Support Organization

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# Agenda

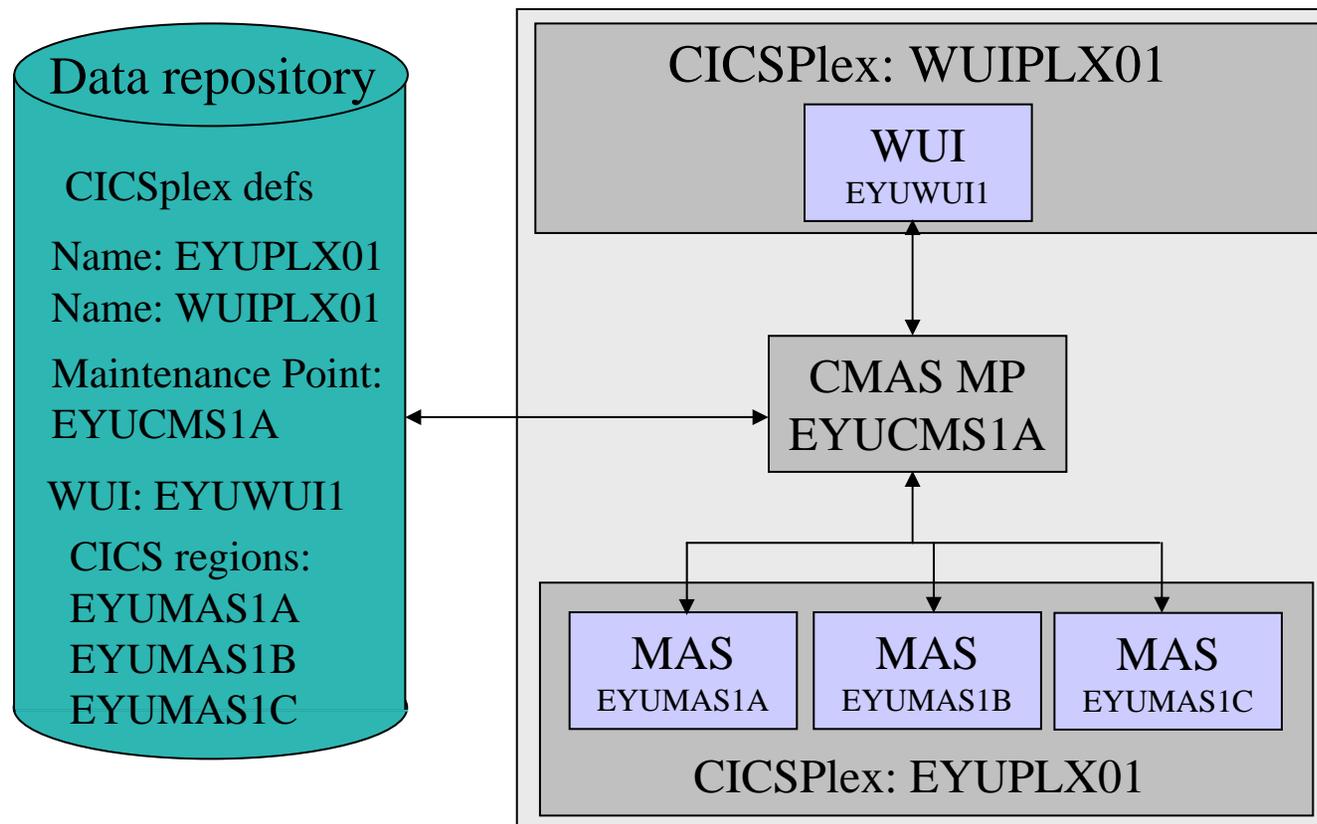
- Creating a WUI server
- The WUI screen structure and view types
  - Assistance frame, Navigation frame, Work area
  - Tabular views, Detail views, Confirmation panels
- Customised views
- CICS TS 3.1 WUI Enhancements
  - BATCHREP
  - Dynamic selection lists
  - Filter Confirmation
  - Warning Count
  - Expand / Collapse Filters
  - Two Column Detail Views
  - User Favorites
  - User Groups

## What is the WUI?

- Familiar Browser environment
  - Runs in any browser that supports HTML 4
  - Can carry out all operational and administrative tasks for monitoring and controlling CICS resources and systems
- WUI sessions controlled via CICS system acting as WUI Server
- Can create your own customized views
  - Limit data displayed for uncluttered views
  - Structure views and data in task-oriented ways
  - Use graphical representations of data
  - Use your own terminology

## Creating a WUI Server

- Recommended that WUI servers are kept in their own CICSplex.
- The MP CMAS for the WUI server CICSplex could also be MP CMAS for the managed CICS systems CICSplex.



## Creating a WUI server

- Requires creation of a new CPSM MAS for appropriate CICSplex.
- Create a WUI repository
  - Holds imported WUI views and menus.
- Update CICS conversion table
- Alter CICS JCL to include WUI datasets and parameters
- If you want to export you own views you need to create a WUI export dataset

## Create a WUI Repository

```

/*
//DEFWREP EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSID DD *

DEFINE CLUSTER (
    NAME( &DSHLQ.EYUWREP )
    STORCLAS( STANDARD )
    RECORDS( 5000 5000 )
    CONTROLINTERVALSIZE( 8192 )
    SPANNED
    INDEXED
    SHAREOPTIONS( 2 )
    DATA (
        NAME( &DSHLQ.EYUWREP.DATA )
        KEYS( 20 20 )
        RECORDSIZE( 8192 32000 )
    )
    INDEX (
        NAME( &DSHLQ.EYUWREP.INDEX )
    )
)
/*

```

# Update Conversion Table (DFHCNV)

```
DFHCNV TYPE=INITIAL
```

```
*
```

```
DFHCNV TYPE=ENTRY ,RTYPE=PC ,RNAME=DFHWPBHH ,USREXIT=NO , *  
        SRVERCP=037 ,CLINTCP=8859-1
```

```
DFHCNV TYPE=SELECT ,OPTION=DEFAULT
```

```
DFHCNV TYPE=FIELD ,OFFSET=0 ,DATATYP=CHARACTER ,DATALEN=32767 , *  
        LAST=YES
```

```
DFHCNV TYPE=ENTRY ,RTYPE=PC ,RNAME=DFHWPBUD ,USREXIT=NO , *  
        CLINTCP=8859-1 ,SRVERCP=037
```

```
DFHCNV TYPE=SELECT ,OPTION=DEFAULT
```

```
DFHCNV TYPE=FIELD ,OFFSET=0 ,DATATYP=CHARACTER ,DATALEN=32767 , *  
        LAST=YES
```

```
*
```

```
COPY EYU$CNV1
```

**Must be added to conversion table.  
Contained in CICSTS31.CPSM.SEYUSAMP**

```
*
```

```
DFHCNV TYPE=FINAL END
```

## EYU\$CNV1 for WUI

```
DFHCNV TYPE=ENTRY ,RTYPE=PC ,RNAME=EYUENU1 ,USREXIT=NO , *
        CLINTCP=8859-1 ,SRVERCP=037
DFHCNV TYPE=SELECT ,OPTION=DEFAULT
DFHCNV TYPE=FIELD ,OFFSET=0 ,DATATYP=CHARACTER ,DATALEN=32767 , *
        LAST=YES
*
DFHCNV TYPE=ENTRY ,RTYPE=PC ,RNAME=EYUJPN1 ,USREXIT=NO , *
        CLINTCP=943 ,SRVERCP=939
DFHCNV TYPE=SELECT ,OPTION=DEFAULT
DFHCNV TYPE=FIELD ,OFFSET=0 ,DATATYP=CHARACTER ,DATALEN=32767 , *
        LAST=YES
*
DFHCNV TYPE=ENTRY ,RTYPE=PC ,RNAME=EYUCHS2 ,USREXIT=NO , *
        CLINTCP=5488 ,SRVERCP=1388
DFHCNV TYPE=SELECT ,OPTION=DEFAULT
DFHCNV TYPE=FIELD ,OFFSET=0 ,DATATYP=CHARACTER ,DATALEN=32767 , *
        LAST=YES
```

## Alter CICS JCL

- CICS SIT parameters to update
  - INITPARM=(EYU9VKEC='xxx',EYU9VWAN='yyyy')
    - xxx is ENU for English, JPN for Japanese, CHS for Chinese
    - yyyy is ENU1 for English, JPN1 for Japanese and CHS1 or CHS2 for Chinese
  - CPSMCONN=WUI
    - CICS SIT parameter used in all CPSM systems (can equal CMAS, LMAS, WUI)
  - GRPLIST= *name of list that includes that includes group EYU310G1 and EYU310GW*
    - For example EYU310GW could be added to the list for your MAS (which will include EYU310G1)

# Alter CICS JCL

## ■ Main DD statements to be added to CICS JCL

### – EYUWREP

- This DD statement points to the WUI repository

### – EYUCOVI

- Points to a View import dataset

### – EYUWUI

- Points to the WUI server initialisation parameters

### – Example

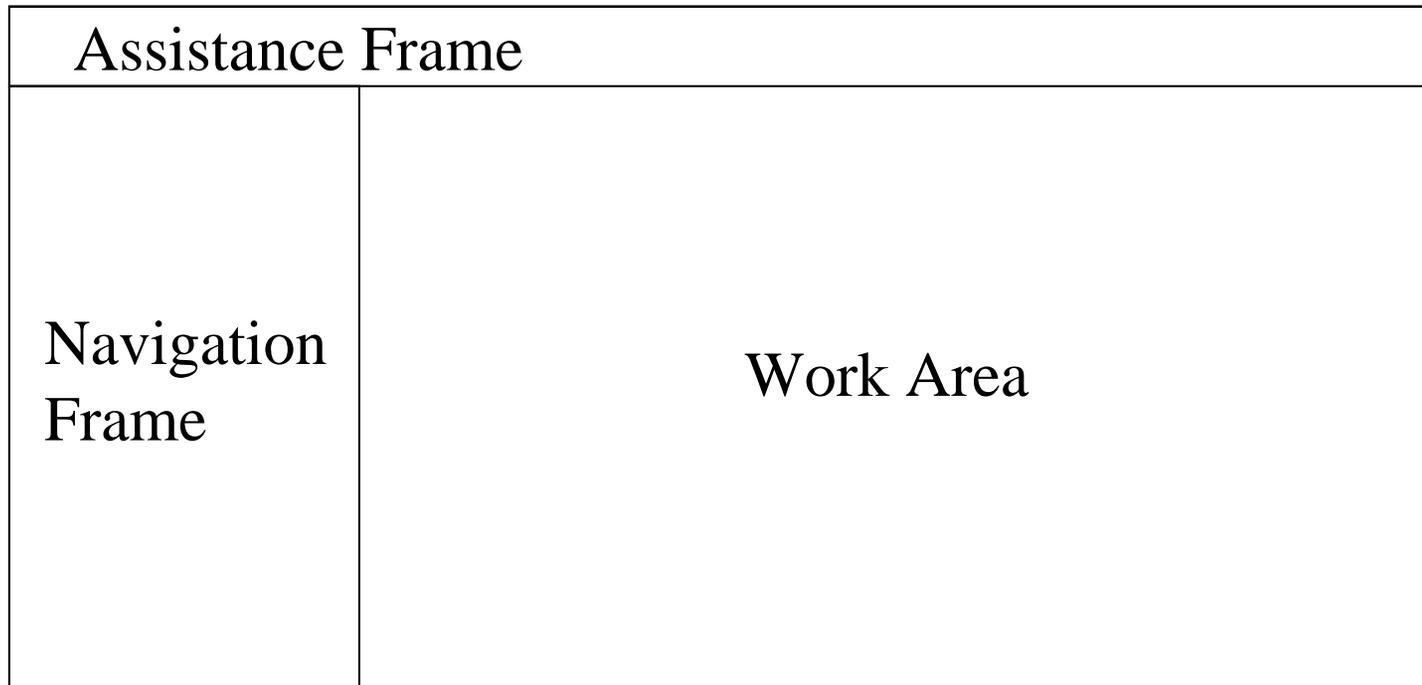
```
//EYUWREP DD DISP=SHR,DSN=data set name
//EYUCOVI DD DISP=SHR,DSN=CICSTS31.CPSM.SEYUVIEW(EYUEVX01)
//EYUWUI DD *
  TCPIPHOSTNAME (MVSXX.COMPANY.COM)
  TCPIPPORT (4445)
  DEFAULTCONTEXT (EYUPLX01)
  DEFAULTSCOPE (EYUPLX01)
  DEFAULTCMASCTXT (EYUCMAS1A)
  AUTOIMPORTTDQ (COVI)
/*
```

Required WUI  
parameters

Recommended  
optional parameters

## WUI Screen

- WUI screen made up of three frames
  - Assistance Frame
  - Navigation Frame
  - Work Area



## Assistance Frame

Link to www.ibm.com



Last screen link

Last menu link

Help hyperlink

Main menu link

- Main menu link – displays main menu in Work Area
- Last menu link – displays last visited menu in Work Area
- Last screen link – displays previous view in Work Area
- Help hyperlink – launches a new browser window with general help information

# Navigation Frame



Main menu /  
Last menu links

Links to views  
(modifiable)

Links to manage  
Editors and Windows

Sign off from WUI

- Allows access to views without clicking through menus
- View links can be customised through View Editor
- Users can add commonly used views for rapid access

# Work Area

## Local or dynamic transaction



EYUVC12801 4 records collected at 08/25/05 13:06:11.



**Context:**   
**Scope:**   
**Transaction ID:** =  Aa  
**Enabled status:** =    
 Automatic refresh:   seconds.

4 records on 1 pages.

Record	CICS system name	Transaction ID	Enabled status	Number of times transaction used	First program name	Transaction priority	Transaction class name	Purgeability option	Transaction dump option	Routing type
1 <input type="checkbox"/>	IYK3ZDD4	<a href="#">DBG0</a>	Disabled	0	<a href="#">EYU9DBG0</a>	1	DFHTCL00	Notpurgeable	Trandump	Static
2 <input type="checkbox"/>	IYK3ZDD4	<a href="#">DEBUG</a>	Enabled	0	<a href="#">EYU9DEBUG</a>	1	DFHTCL00	Notpurgeable	Trandump	Static
3 <input type="checkbox"/>	IYK3ZDD5	<a href="#">DBG0</a>	Enabled	0	<a href="#">EYU9DBG0</a>	1	DFHTCL00	Notpurgeable	Trandump	Static
4 <input type="checkbox"/>	IYK3ZDD5	<a href="#">DEBUG</a>	Enabled	0	<a href="#">EYU9DEBUG</a>	1	DFHTCL00	Notpurgeable	Trandump	Static

4 records on 1 pages.

Resource name: LOCTRAN. View name: EYUSTARTLOCTRAN.TABULAR

# WUI View Types

## ■ Basic WUI Views

### – Tabular

- Shows basic information for a number of resources at the same time

### – Detail

- Shows all attributes for a resource

### – Confirmation Panel

- Shows parameters and attributes to perform an action on a resource

## ■ New to CICS TS 2.2

### – Detail view with Matrix

- Similar to normal Detail view, but allows the data to be displayed in a multi column table

## ■ New to CICS TS 3.1

### – Two column Detail View

- Similar to normal Detail view, but allows information to be displayed in two columns instead of one

# Tabular View

## Local or dynamic transaction



EYUVC1280I 153 records collected at 09/21/05 13:19:48.

**Context:**   
**Scope:**   
**Transaction ID:** =   Aa Automatic refresh:   seconds.  
**Enabled status:** =

153 records on 22 pages. Page:

Record	CICS system name	Transaction ID	Enabled status	Number of times transaction used	First program name	Transaction priority	Transaction class name	Purgeability option	Transaction dump option
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CADP</a>	Enabled	0	<a href="#">DFHDPLU</a>	1	DFHTCL00	Purgeable	Trandump
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CATA</a>	Enabled	1	<a href="#">DFHZATA</a>	255	DFHTCL00	Purgeable	Trandump
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CATD</a>	Enabled	0	<a href="#">DFHZATD</a>	255	DFHTCL00	Purgeable	Trandump
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CATR</a>	Enabled	0	<a href="#">DFHZATR</a>	255	DFHTCL00	Notpurgeable	Trandump
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CBAM</a>	Enabled	0	<a href="#">DFHECBAM</a>	255	DFHTCL00	Notpurgeable	Trandump
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CCIN</a>	Enabled	0	<a href="#">DFHZCN1</a>	254	DFHCOMCL	Purgeable	Trandump
<input type="checkbox"/>	IYK3ZDD4	<a href="#">CCRL</a>	Enabled	0	<a href="#">DFHSOCRL</a>	1	DFHTCL00	Purgeable	Trandump

153 records on 22 pages. Page: 1

# Detail View

## CICS region



EYUVC1280I 1 records collected at 09/21/05 13:22:24.



Refresh

CICS system name YK3ZDD4

### Terminal AI values

- Autoinstall enabled status Enabled
- Autoinstall console status  Noauto
- Persistent session delay interval  00:00:00
- Autoinstall program name  DFHZATDX
- Number of current autoinstall requests 0

Maximum number of autoinstall requests  100

### Program AI values

- Autoinstall program exit name  DFHPGADX
- Autoinstalled-program catalog type  Ctlgmodify

[General information](#)

[Monitoring, dump and trace details](#)

[Task details](#)

- Apply changes
- Shutdown...
- Request system dump...
- Switch auxiliary tracing data set...

# Detail View with Matrix

## Dynamic Storage Areas (DSA)



**CICS system name** DEWCB8A0

**Short on storage status** Notsos

**Current DSA limit**  6291456

**Total storage currently allocated to DSAs** 1048576

**Peak amount of storage allocated to DSAs** 1048576

[Extended Dynamic Storage Areas \(EDSA\)](#)

Dynamic Storage Areas

	<a href="#">CDSA</a>	<a href="#">UDSA</a>	<a href="#">SDSA</a>	<a href="#">RDSA</a>
<b>DSA Size</b>	524288	0	262144	262144
<b>Peak DSA Size</b>	524288	0	262144	262144
<b>Current Free Storage</b>	131072	0	253952	69632
<b>Times Short-on-Storage</b>	0	0	0	0
<b>Times no storage returned</b>	0	0	0	0
<b>Current Subpools (domain and task)</b>	<a href="#">39</a>	<a href="#">19</a>	<a href="#">7</a>	<a href="#">4</a>
<b>Getmain Request</b>	3245	0	12	0
<b>Freemain Request</b>	3245	0	6	0

# Two Column Detail View

## Terminal



EYUVC1280I 2 records collected at 08/20/04 11:10:28.



**CMAS context:**   
**Context:**   
**Scope:** 
Refresh

<b>CICS system name</b>	IYK3ZDB3
<b>Access method</b>	Vtam
<b>Alternate page height</b>	0
<b>Alternate printer</b>	
<b>Alternate screen height</b>	0
<b>Alternate-map-set suffix</b>	00X
<b>APL text feature</b>	Noapltxt
<b>Automatic transaction initiation (ATI) status</b>	Ati
<b>Session binding status</b>	Notapplic
<b>Extended color feature</b>	Color
<b>Copy feature in control unit</b>	Nocopy
<b>Session creation status</b>	Notapplic
<b>Default page height</b>	24
<b>Default screen height</b>	24
<b>Device type</b>	T3277r
<b>Disconnect Requests status</b>	Discreq
<b>Exit tracing status</b>	Notapplic
<b>Function management header (FMH) option</b>	Nofmhparm

<b>Terminal ID</b>	CBRF
<b>Acquire status</b>	Notapplic
<b>Alternate page width</b>	0
<b>Hardware COPY feature for alternate printer</b>	Notapplic
<b>Alternate screen width</b>	0
<b>APL keyboard feature</b>	Noaplkbyd
<b>ASCII data stream type</b>	Notapplic
<b>Audible alarm feature</b>	Audalarm
<b>Background transparency feature</b>	Backtrans
<b>Console ID</b>	
<b>Correlation ID</b>	
<b>Device data stream type</b>	Ds3270
<b>Default page width</b>	80
<b>Default screen width</b>	80
<b>Device busy status</b>	Not applicable
<b>Dual-case keyboard status</b>	Nodualcase
<b>Extended data stream support</b>	Extendedds
<b>Forms feed feature</b>	Noformfeed

# Confirmation Panel

## Install



**Transaction definition name** TRN1  
**Definition version** 1  
**Definition description**

**Target scope value**     
**Related scope value**

**Usage value**  LOCAL  (LOCAL, REMOTE)  
**Mode value**  N/A  (N/A, DYNAM, STAT)  
**Overtyp value**  NONE  (NONE, TARGET, RELATED, BOTH)

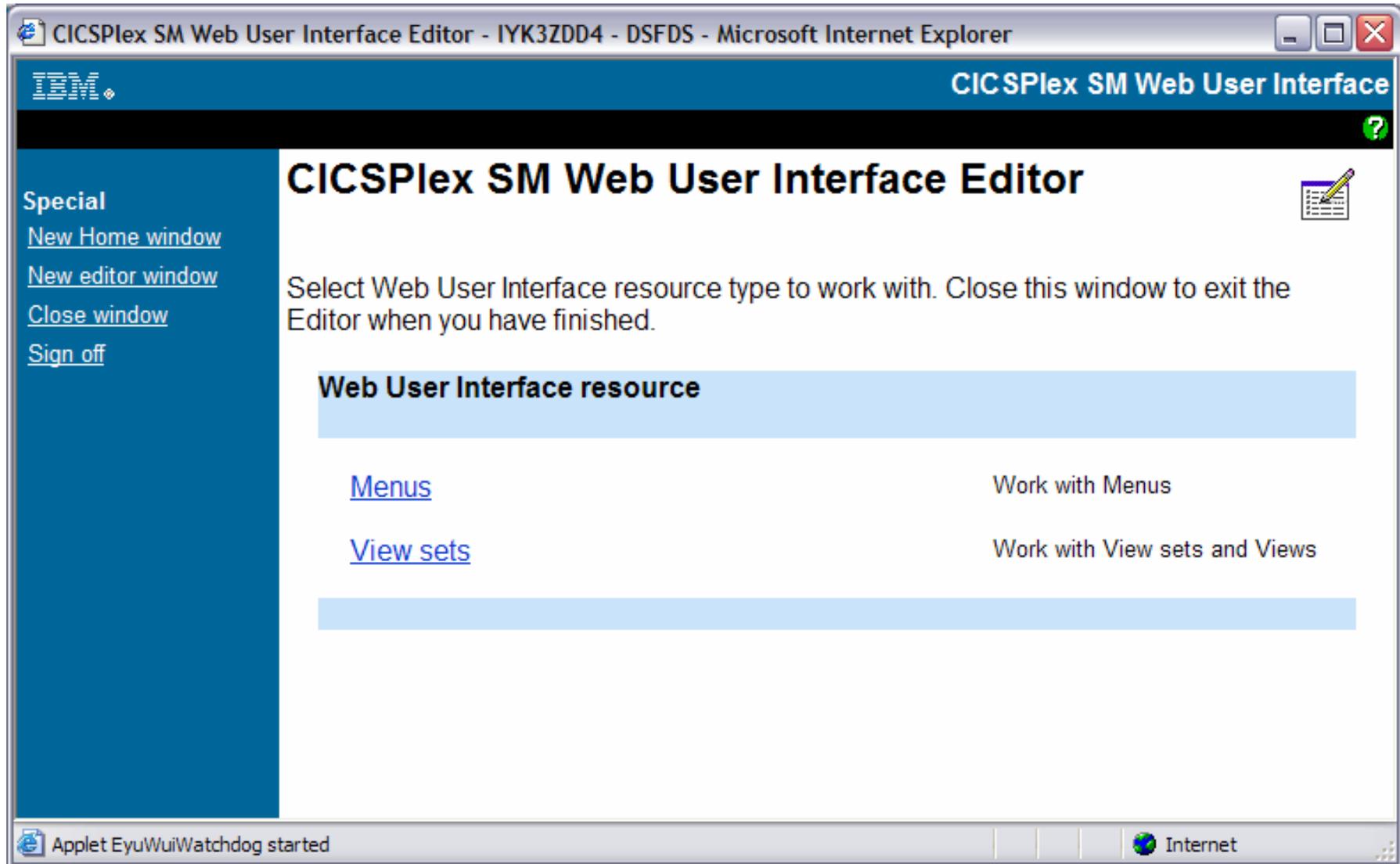
**Notify value**  NO  (NO, INACTIVE, RELEASE, FULL)  
**State check value**  NO  (NO, YES)  
**Force install value**  NO  (NO, YES)

**Override string expression**  
**Override string**

## Create Customised Views

- You can create views in the WUI tailored to the needs of your Enterprise.
  - e.g. sets of views could be created specifically for use by Developers, System Administrators, Help Desk operators.
- Menus and Views can be altered to focus on information considered important.
- Supplied terminology can be overridden.
  - When creating Menus and Views, default terminology can be overridden with terminology specific to your enterprise.
- Links to Web pages not served by the WUI server may be added to Views and Menus.
- Help pages specific to your customised view may be added.

## View Editor Main Screen



The screenshot shows a web browser window titled "CICSPlex SM Web User Interface Editor - IYK3ZDD4 - DSFDS - Microsoft Internet Explorer". The page has a blue header with the IBM logo and the text "CICSPlex SM Web User Interface". Below the header, the main content area is titled "CICSPlex SM Web User Interface Editor" and contains the following text:

Select Web User Interface resource type to work with. Close this window to exit the Editor when you have finished.

**Web User Interface resource**

<a href="#">Menus</a>	Work with Menus
<a href="#">View sets</a>	Work with View sets and Views

At the bottom of the browser window, a status bar shows "Applet EyuWuiWatchdog started" and "Internet".

# Menu Components

## Menu Components

**EYUVE0050I** Menu (MYOPERATE) has been opened for edit.

Select the menu component you wish to edit. You will return to this screen and can select other components later. Click 'Save' to save all your changes. Click 'Abandon' to discard all your changes.

### CICS operations views

**EYUVC1015I** Signon complete for User (ASDAS).

**Context:**

**Scope:**

A modifiable version of the supplied Operations menu.

### CICS operations views

- [CICS Business Transaction Services \(BTS\) operations views](#)
- [CICS region operations views](#)
- [Connection operations views](#)
- [DB2 and DBCTL operations views](#)
- [Document template operations views](#)
- [Enqueue model operations views](#)
- [Enterprise Java component operations views](#)
- [Exit operations views](#)
- [FEPI operations views](#)
- [File operations views](#)
- [Journal operations views](#)
- [Program operations views](#)
- [Task operations views](#)
- [TCP/IP service operations views](#)
- [Temporary storage queue \(TSQ\) operations views](#)
- [Terminal operations views](#)
- [Transient data queue \(TDQ\) operations views](#)
- [Transaction operations views](#)
- [Unit of work \(UOW\) operations views](#)

### Related resources

- [Monitoring views](#)

Selected menu	
<b>Menu:</b>	MYOPERATE
<b>Menu title:</b>	CICS operations views
<b>Last modified by:</b>	DONNELL
<b>Last modified on:</b>	04/29/05 13:53:19

Menu components	
1 <a href="#">Title and annotation</a>	Edit the menu title and annotation. (This is not applicable when the Menu is used as the Navigation Frame.)
2 <a href="#">Context and Scope options</a>	Edit the Context and Scope display options. (This is not applicable when the Menu is used as the Navigation Frame.)
3 <a href="#">Menu contents</a>	Edit the menu contents.
4 <a href="#">Menu help location</a>	Edit the location of the help page, if any. (This is not applicable when the Menu is used as the Navigation Frame.)

Menu name: MYOPERATE

# Menu Contents Screen

## Menu Contents



To add a new item to the end of the Menu, click 'Append'. Select an item and click 'Insert' to add a new item above the selected one. To work with an existing item, select the item and click 'Edit' or 'Delete'. Click 'OK' when you have finished.

### Selected menu

Menu: EYUSTARTADMCONFIG

### Menu contents

#### Definitional views

- [CICSplex definitions](#)
- [CMAS in CICSplex definitions](#)
- [CMAS-to-CMAS link definitions](#)
- [CMAS-to-RMAS link definitions](#)

OK Append Insert Edit Delete

Cancel

# Tabular View Components

## Tabular View Components

Select the tabular View component you wish to edit. You will be able to edit the components later. Click 'OK' when you have finished. Click

### Selected view

View: TABULAR  
View title: Active task  
Object: TASK  
View set: ASDAS

### Tabular view components

- 1 [Table contents](#)
- 2 [Title and annotation](#)
- 3 [Action buttons](#)
- 4 [View help location](#)
- 5 [Available filters](#)
- 6 [Context and Scope options](#)
- 7 [Tabular View display options](#)

Active task
← + ↩ ↶

EYUVC1280I 8 records collected at 04/29/05 14:11:28. ?

Context:   
 Scope:   
 Task ID: =  Automatic refresh:  60 seconds.  
 Transaction ID: =  Aa  
 Dispatch status: =

8 records on 1 pages.

Record	CICS system name	Task ID	Transaction ID	Dispatch status	User ID	Principal facility	VTAM LU name	Task priority	Tran class
1 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000019</a>	CONL	Running	DONNELL			255	DF
2 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000025</a>	COVG	Suspended	DONNELL			255	DF
3 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000030</a>	COI0	Suspended	DONNELL			255	DF
4 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000031</a>	COIE	Suspended	DONNELL			255	DF
5 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000261</a>	COVA	Suspended	DONNELL			150	DF
6 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000443</a>	COVA	Suspended	DONNELL			150	DF
7 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000508</a>	COVA	Suspended	DONNELL			150	DF
8 <input type="checkbox"/>	IYK3ZDD4	<a href="#">0000631</a>	COVP	Suspended	DONNELL			75	DF

8 records on 1 pages.

# Table Contents Screen

CICSplex SM Web User Interface Editor - IYK3ZDD4 - VVCXC - Microsoft Internet Explorer

IBM. CICSplex SM Web User Interface

**Special**  
[New Home window](#)  
[New editor window](#)  
[Close window](#)  
[Sign off](#)

## Table Contents

To add a new column to the end of the table, click 'Append'. Select a column and click 'Insert' to add a new column before the selected one. To work with an existing column, select the column and click 'Edit' or 'Delete'. Click 'OK' when you have finished.

**Selected view**

View: TABULAR  
 View set: DANTCPDEF

**Table contents**

<input type="radio"/> TCP/IP service definition name	<input type="radio"/> Last new	<input type="radio"/> Definition version	<input type="radio"/> New title	<input type="radio"/> Definition create time	<input type="radio"/> Last time the definition was changed	<input type="radio"/> Definition description	<input type="radio"/> Queue backlog limit
NAME	CHANGETIME	DEFVER	ATTACHSEC	CREATETIME	CHANGETIME	DESCRIPTION	BACKLOG

OK Append Insert Edit Delete Cancel

Applet EyuWuiWatchdog started Internet

# Detail View Components

## Detailed Form Components

Select the detailed form component you wish to edit. You will return to this screen and can select other components later. Click 'OK' when you have finished. Click 'Cancel' to abandon your changes.

Selected view	
View:	DETAILED
View title:	Active task
Object:	TASK
View set:	ASDAS

Detailed form components	
1 <a href="#">Form contents</a>	Edit the Attributes to be displayed on the View.
2 <a href="#">Title and annotation</a>	Edit the View title and the annotation that appears at the bottom of the display.
3 <a href="#">Attribute grid contents</a>	Edit the caption and contents of the optional attribute grid.
4 <a href="#">Action buttons</a>	Edit the buttons that will be available to perform actions or launch action confirmation panels.
5 <a href="#">View help location</a>	Edit the location of the help page, if any.
6 <a href="#">Available filters</a>	Edit the set of attributes and parameters that will be made available to the user to filter the Object instances on the display.
7 <a href="#">Context and Scope options</a>	Edit the Context and Scope display options.
8 <a href="#">Detailed form display options</a>	Edit the display options available for the View.

OK Cancel Apply changes Purge...

**Active task**

EYUVC12801 8 records collected at 04/29/05 14:11:28. ?

Refresh

CICS system name	YK3ZDD4
Task ID	0000019
Transaction ID <sup>ts</sup>	CONL
User ID	DONNELL

**General Information**

Principal facility	
Transaction class <sup>sp</sup>	DFHTCL00
Task priority	<input type="checkbox"/> 255
Dispatch status	Running
Purgeability status	Notpurgeable
Time task has been suspended	0:00:00
VTAM LU name	
Local unit of work (UOW) ID	BCEF096A57770B270000000000000000

[Identification details](#)  
[Clocks and timings](#)  
[Settings](#)  
[Request counts](#)  
[Comms requests](#)  
[Storage usage](#)  
[TCP/IP usage](#)  
[Channel usage](#)  
[CICS BTS requests](#)  
[CPU and TCB information](#)

Apply changes Purge...

# Detail Form Contents

## Form contents

- Test View**
- CICS system name** EYU\_CICSNAME
- Pool name** NAME
- Space
- Connection status** CONNSTATUS

OK

Append

Insert

Edit

Delete

Cancel

# CICS TS 3.1 WUI Enhancements

- **BATCHREP**

- Previously BATCHREP jobs could only be launched via the TSO interface. They can now be launched via the WUI or JCL.

- **Dynamic selection lists**

- For certain fields (e.g. Target scope) allows the user to select a value from a list.

- **Filter Confirmation**

- Presents filters for a view before fetching any data.

- **Warning Count**

- Displays a message and view filters if total number of records retrieved for a view is predicted to be above a defined value.

# CICS TS 3.1 WUI Enhancements

- **Expand / Collapse Filters**
  - Users can display more data on the screen by collapsing the filters at the top of a view.
- **Two Column Detail Views**
  - Users can utilise screen space in a flexible way by displaying detail data in either one or two column son their detail views.
- **User Favorites**
  - Allows a user to save commonly used view so they can be access quickly.
- **User Groups**
  - User groups allow administrators to alter a WUI server's characteristics for different groups of users.

## Dynamic selection lists

- WUI enabled to generate dynamic selection lists
  - Fields that are capable for dynamic selection lists are marked with an icon

**Target scope value**





- clicking the icon will open a selection list screen
- filters applicable to the list

### Resource selection

Select a value from the list below and click 'OK'.

Resources matching key:

Refresh

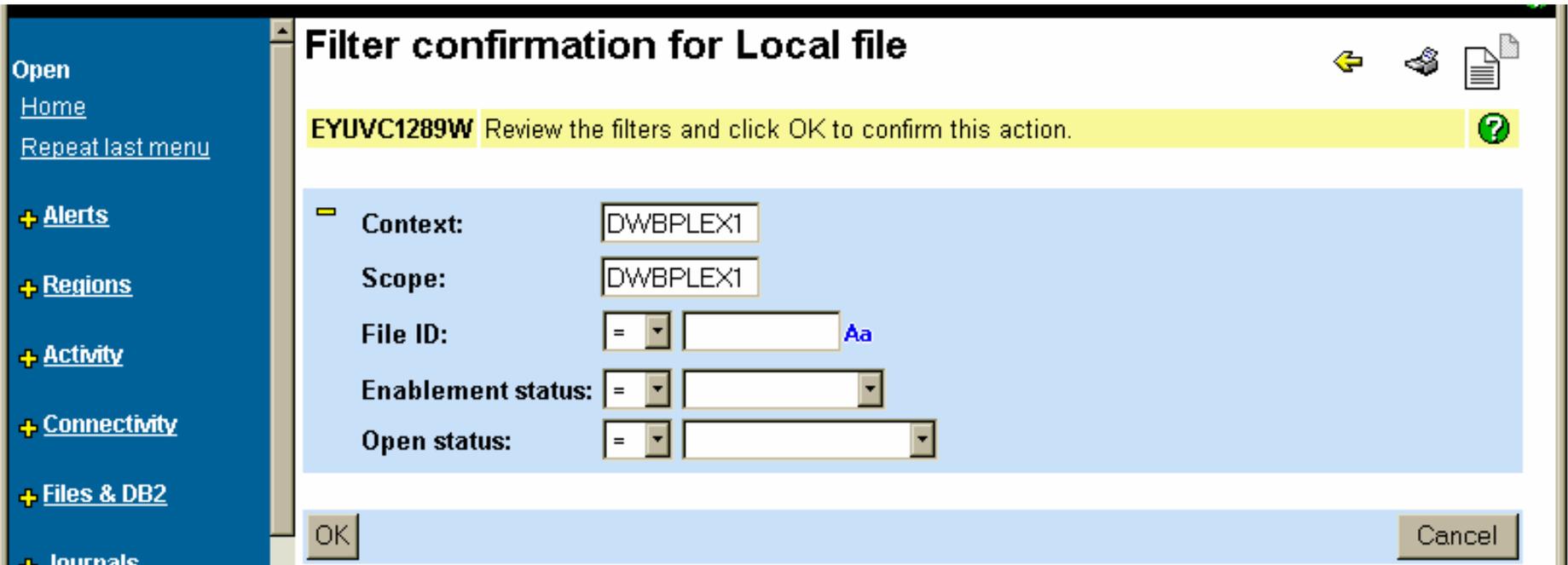
Select	Resource name	Resource description	Resource type	Resource status
<input type="radio"/>	DAN1			N/A
<input type="radio"/>	DAN2			N/A
<input type="radio"/>	IYK3ZDD4			ACTIVE
<input type="radio"/>	IYK3ZDD5			INACTIVE
<input type="radio"/>	IYK3ZDD6	WUI 2		INACTIVE
<input type="radio"/>	MYGROUP			N/A

OK

Cancel

## Filter Confirmation

- It is now possible for a user to enter filter values before fetching data.
- Filter confirmation display specified in hyperlink definition.



**Filter confirmation for Local file**

EYUVC1289W Review the filters and click OK to confirm this action.

Context: DWBPLEX1

Scope: DWBPLEX1

File ID: = [ ] Aa

Enablement status: = [ ]

Open status: = [ ]

OK Cancel

# Setting a hyperlink to use Filter Confirmation

**Menu Choice Type**

Select the type of the Menu choice and click 'OK' to continue.

Selected menu: TI\_MENU

Menu: TI\_MENU

Menu choice type:

- Menu link
- View link**
- External URL

**Menu Choice Components**

EYUVE01281 Menu choice title and annotation have been edited.

Select the menu choice component you wish to edit. You will return to this screen and can select other components later. Click 'Finish' when you have finished.

Selected item: TASK tabular view

Menu: TI\_MENU

Menu choice components:

- [Title and annotation](#) Edit the Menu choice title and annotation.
- [Destination](#) Edit the destination for the Menu choice.

Target View name:

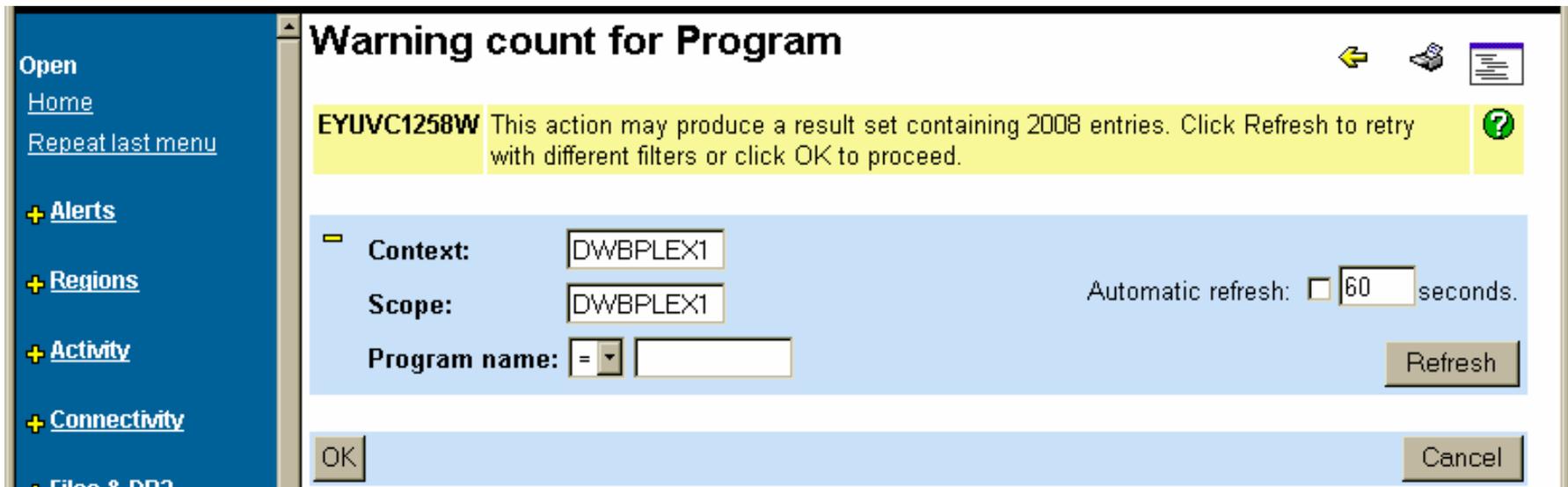
**Filter confirmation**

Use filter confirmation prior to get

If selected, the user will be able to specify filter criteria before getting the data for the view.

## Result Set Warning Count

- Warning count message issued when predicted number of returned records is greater than a defined threshold.
- Can alter provided filter and retry the request, accept the request as it is, or cancel the request.
- Threshold defined in two places:
  - Default threshold for the server can be set using the DEFAULTWARNCNT WUI parameter in the server JCL.
  - Server default can be overridden for a group of users by setting attribute in a User Group Profile.



**Warning count for Program**

EYUVC1258W This action may produce a result set containing 2008 entries. Click Refresh to retry with different filters or click OK to proceed.

Context: DWBPLEX1

Scope: DWBPLEX1

Automatic refresh:  60 seconds.

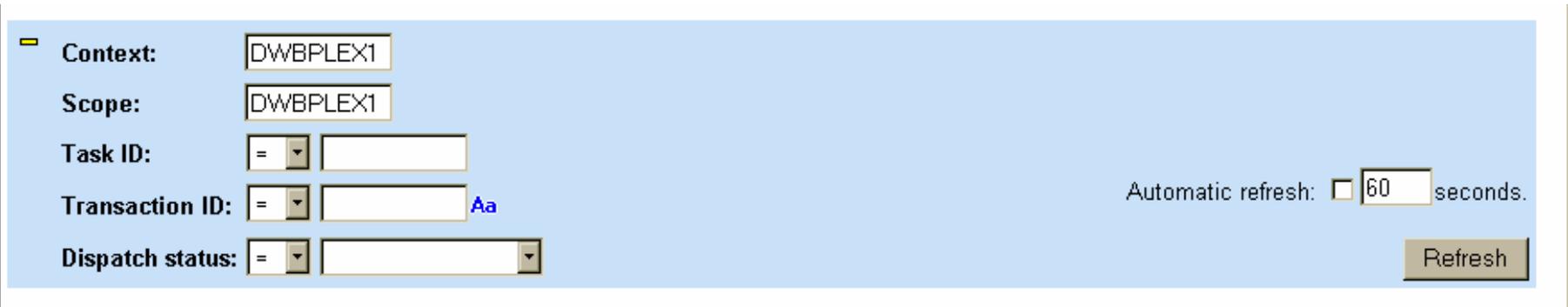
Program name: = [ ]

Refresh

OK Cancel

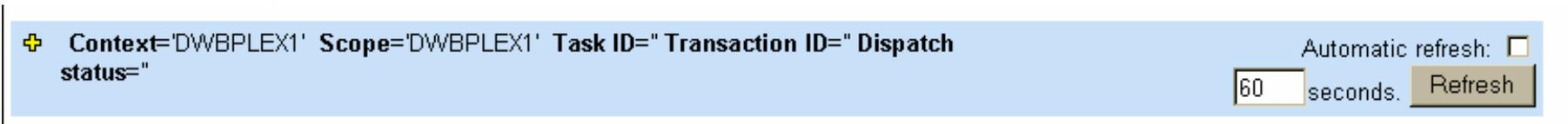
## Expand / Collapse Filters

- Filters at the top of views can be collapsed to show more data on detail views.
  - Filters expanded



A screenshot of a web interface showing expanded filters. The filters are arranged vertically on the left side of a light blue panel. Each filter has a label, a dropdown menu, and an input field. The filters are: Context (DWBPLEX1), Scope (DWBPLEX1), Task ID (= [input]), Transaction ID (= [input] Aa), and Dispatch status (= [input]). On the right side of the panel, there is an 'Automatic refresh' checkbox, a text input field containing '60', and the word 'seconds.'. Below these is a 'Refresh' button.

- Filters collapsed



A screenshot of a web interface showing collapsed filters. The filters are displayed as a single line of text on the left side of a light blue panel: Context='DWBPLEX1' Scope='DWBPLEX1' Task ID=' Transaction ID=' Dispatch status='. On the right side of the panel, there is an 'Automatic refresh' checkbox, a text input field containing '60', and the word 'seconds.'. Below these is a 'Refresh' button.

- Server can set filters to be displayed as expanded or collapsed by default.
  - Set using the FILTERSTYLE WUI parameter.

## Favorites support

- Users can get faster access to frequently use views by saving them as Favorites.
  - Tabular and Detail views can be saved.
  - View filter, summary and sort information also saved.
- Favorites appear as links in the Navigation frame.
- User's can organise their list of Favorites using a Favorites Editor.
- An Administrator can alter the list of Favorites for any user on the server.
- An Administrator can export and import user Favorites to allow migration between WUI servers.

# Favorites support

Favorites link

Add to favorites

**CICS region**

EYUVC12801 1 records collected at 08/20/04 11:02:18.

Context:  Automatic refresh:   seconds.

Scope:

1 records on 1 pages.

Record	CICS system name	Job name	MVS system ID	Current number of tasks	CICS status	CICS Release	Total CPU time used	Number of page-in requests	Number of page-out requests	Number of I/O requests
1	<a href="#">IYK3ZDB3</a>	WUIZDB3	MV2C	6	Active	0640	0:00:05.4332	0	0	165

1 records on 1 pages.

Favorites Editor

## Adding a view to Favorites

- Click on the  icon
- The following view is displayed:

### Add to Favorites

Enter a title for the new Favorite. Click 'OK' to add Favorite.

**Title text**

Title:

This text will appear as the link to the chosen destination

OK

Cancel

## Adding a view to Favorites

- Upon refresh, Favorite is added to the Navigation frame:

**+ View menus**

**- Favorites**

My favorite 1

My favorite 2

My favorite 3

**Special**

Favorites editor

## Favorites Editor

- Allows users to alter their own Favorites.
- Launched in separate browser window.
- Performs the following actions:
  - Move
    - Alter the position of a Favorite within the list.
  - Copy
    - Copy an existing Favorite.
  - Edit
    - Change Context, Scope, CMAS Context and Filter settings for a Favorite.
  - Delete
    - Remove a Favorite from the list.

# Favorites Editor example – Deleting a Favorite

The screenshot shows two overlapping windows from the CICSPlex SM Web User Interface.

**Background Window: Select Favorite to Delete**

- Current user:** NEWUSER
- User:** NEWUSER
- Last modified by:** DONNELL
- Last modified on:** 04/13/05 09:42:35
- Favorites contents:** (Empty list)
- Favorites:**
  - New Favorite 3
  - New Favorite 1

**Foreground Window: Confirmation Menu Item Delete**

- Selected favorite:** New Favorite 1
- Favorite:** New Favorite 1

A red circle highlights the 'New Favorite 1' radio button in the background window, with a red arrow pointing to the foreground window's title bar.

## User Group Profiles

- Profiles may be set for groups of users.
  - e.g. Operators, Administrators, Developers.
- Attributes that can be set for a group are:
  - Result set warning count
  - Default main menu
  - Default navigation menu
  - Default Context
  - Default Scope
  - Default CMAS Context
  - Force Filter Confirmation
    - Via PK10918 (also new WUI parameter GLOBALPREFILTER)
- Not all attributes need to be overridden. Those that are not use the server default.
- Group that user belongs to is determined from their default ESM group, so security must be switched on to use profiles.
- Profiles can be imported and exported for migration between servers.

# The User Editor

- Allows an Administrator to edit User Group Profiles and other User's Favorites.
- Editing User Group Profiles includes:
  - Creating a new user group
  - Editing an existing user group
  - Delete user group
- Editing Users includes:
  - Create/Edit a User
    - Create a new Favorite
    - Edit an existing Favorite
    - Move a Favorite
    - Copy a Favorite
    - Delete a Favorite
  - Delete a User

# Edit a User Group Profile

The screenshot displays the 'CICSPlex SM Web User Interface User Editor' window. The main title is 'Edit User Group Profile'. A message at the top states: 'EYUVE0949I User group (TESTGRP) has been created.' Below this, instructions read: 'Enter values for the User group profile attributes. Click 'Save' to save all your changes. Click 'Abandon' to discard all your changes.'

The 'Selected user group' section shows 'User group: TESTGRP'. The 'Profile attributes' section includes the following fields:

- Warning record count:  (Maximum number of records displayed without a warning message. Values can be in the range 0 to 99999999.)
- Default main menu:  (Enter the name of the default main menu.)
- Default navigation menu:  (Enter the name of the default navigation menu.)
- Default context:  (Default 8 character context setting.)
- Default scope:  (Default 8 character scope setting.)
- Default CMAS context:  (Default 8 character CMAS context setting.)
- Force filter confirmation:  (If selected, users will be required to specify filter criteria before getting data for a view.)

At the bottom of the form are 'Save' and 'Abandon' buttons. A separate 'User Group Editor' window is overlaid on the left, showing 'Operations' with 'Create', 'Edit', and 'Delete' links, and a 'Finish' button. A red dashed arrow points from the 'Edit' link to the 'Warning record count' field in the main window.

# Edit a User

The screenshot shows the IBM CICSPlex SM Web User Interface User Editor. The main window has a sidebar with 'Special' options: 'New Home window', 'New editor window', 'Close window', and 'Sign off'. The main content area shows 'User resource' and a link to 'Users' (circled in red). Below this is the 'User Editor' section with 'Operations' (Create, Edit, Delete) and a 'Finish' button. The 'Edit' link is circled in red. A 'Favorites Editor' dialog is open, showing 'EYUVE0978I User (ISHWTAR) has been selected'. It lists 'Operations' (Create, Move, Copy, Edit, Delete) with 'Edit' circled in red. The dialog also shows 'Current user' (ISHWTAR), 'Last modified by' (ISHWTAR), and 'Last modified on' (2004/08/11 14:07:35). The 'Favorites contents' section lists 'My favorite 1' and 'My favorite 2'. The dialog has 'OK' and 'Cancel' buttons. A 'Save' button is visible at the bottom of the dialog.

## Summary

- The WUI provides a familiar browser environment for users to access CPSM.
- Allows you to customise views to suit your enterprise.
- New features in CICS TS 3.1
  - Two column Detail view support
  - Dynamic selection lists
  - Filter confirmation
  - Result set warning counts
  - User favorites
  - User group profiles
  - Improved screen layout
    - Select all / Deselect all icons
    - Collapsible filters