

IBM® Tivoli® Workload Scheduler Job Scheduling
Console



Readme File for Fix Pack 05 PTF U818801

Version 8.3.0

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Note

Before using this information and the product it supports, read the information in Chapter 3, "Notices," on page 21.

This edition applies to Fix Pack 05 (PTF U818801) of IBM Tivoli Workload Scheduler Job Scheduling Console Program number (5698-WSH)

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Chapter 1. IBM® Tivoli® Workload Scheduler Job Scheduling Console Fix Pack 05 for Version 8.3.0

Date 27 June 2008

Fix Pack
8.3.0-TIV-TWSJSC-FP0005

PTF Number
U818801

Product
IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 05 for Version 8.3.0

General Description
IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 05 for Version 8.3.0

This readme file provides important information about fix pack 05 (PTF U818801) for IBM Tivoli Workload Scheduler Job Scheduling Console for Version 8.3.0. This readme file is the most current information for the fix pack and takes precedence over all other documentation for IBM Tivoli Workload Scheduler Job Scheduling Console fix pack 05 for Version 8.3.0.

Review this section thoroughly before installing or using this fix pack.

About this fix pack

This section includes the following topics:

- “Problems Fixed”
- “Fix pack structure” on page 9
- “Installing the fix pack” on page 11
- “Interoperability tables” on page 11
- “Compatibility” on page 12
- “Software requirements to install this fix pack” on page 12
- “Installing the Job Scheduling Console fix pack” on page 13
- “Known Limitations for installing this fix pack” on page 13
- “Software Limitations and Workarounds” on page 14

Problems Fixed

This section lists all APARs and internal defects solved by this fix pack and the preceding ones. Each fix pack supersedes all the preceding fix packs. For additional information about documentation APARs and internal defects refer to sub section “Documentation updates” on page 15.

This section included the following topics:

- “APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 05 for Version 8.3.0” on page 2
- “APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 04 for Version 8.3.0” on page 3
- “APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 03 for Version 8.3.0” on page 4
- “APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 02 for Version 8.3.0” on page 5

- “APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 01 for Version 8.3.0” on page 6
- “Functions for the IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 02 Version 8.3.0” on page 7
- “Functions for the IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 01 Version 8.3.0” on page 9

APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 05 for Version 8.3.0

This section lists all APARs and internal defects solved by this fix pack. For additional information about documentation APARs and internal defects refer to subsection “Documentation updates” on page 15.

List of APARs fixed:

- APAR IZ09920
Symptoms: “Filter for scheduled time” is displayed as 01:mm:ss, if the jscmachine time is on 00:mm:ss.
- APAR IZ09933
Symptoms: JSC fails to start using other’s preference.xml, if the file contains dbcs strings.
- APAR IZ10774
Symptoms: Filters on job streams in the plan.
- APAR IZ12384
Symptoms: Clicking ok on “properties - job instance list” after modifying filter criteria and status, the window stays open.
- APAR IZ13009
Symptoms: The job views in the plan tree have incorrect column headings, they have the job stream headings.
- APAR IZ13165
Symptoms: “Column filter” for data in “hh:mm” format does not work.
- APAR IZ13833
Symptoms: Valid from date displays incorrectly in job stream view.
- APAR IZ14931
Symptoms: “Release sched” and “prompt” are logged to the plan audit log incorrectly.
- APAR IZ14976
Symptoms: JSC 8.3 in the “explorer” the field “description” is empty.
- APAR IZ15056
Symptoms: JSC 8.4 refresh is not refreshing the views .
- APAR IZ15411
Symptoms: Changes to all scheduled jobs or all scheduled job stream columns not saved in JSC V8.3 FP 04 or V8.4.
- APAR IZ16554
Symptoms: Submitting an ad hoc job stream the ‘jcl variable table’ field is not automatically filled.
- APAR IZ22757
Symptoms: Users with 'DISPLAY' only permissions, are not able to view the contents of the 'RELATIVE INTERVAL SELECTION FROM & TO' fields.

List of Defects fixed:

- Defect 33190
Symptoms: Open of JSC requires a lot of time if some engine are down.
- Defect 38732
Symptoms: GVT: JSC ISMP is not mocked.
- Defect 39223
Symptoms: DCP: JSC 8.3 FP4 doesn't display the Critical Job in the plan.
- Defect 39500
Symptoms: Edit and Actions Menu doesn't work.
- Defect 40045
Symptoms: JSC Memory consumption very high with automatic queries refresh.
- Defect 40398
Symptoms: Duplicated dependency for add dep from JSC.
- Defect 40419
Symptoms: Attach task create loop on js detach view.
- Defect 40445
Symptoms: Null pointer exception when browsing job logs.
- Defect 40564
Symptoms: Problem importing some filters from JSC14 to JSC83 FP5.
- Defect 40837
Symptoms: Relative Interv. Select. not displayed with only DISPLAY access.
- Defect 40868
Symptoms: JSC memory leak browsing job log.
- Defect 41400
Symptoms: JSC83FP5 insert time dependencies in plan.
- Defect 41587
Symptoms: AWSJDB101E The object was not found.

APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 04 for Version 8.3.0

This section lists the APARs and Defects fixed in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 04 for Version 8.3.0

- APAR IY99099
Symptoms: Contents of SAP field "OUTPUT DEVICE" does not match contents of Job Scheduling Console field "OUTPUT DEVICE"
- APAR IY99686
Symptoms: Last updated time in JSC DB list does not accurately reflect the time it was updated.
- APAR IZ00065
Symptoms: JSC engine login panel does not display when no password is saved.
- APAR IZ00693
Symptoms: Simple run cycle dates are lost after viewing in JSC past current year and saving the job stream.
- APAR IZ00724
Symptoms: The internal filter status information is lost when the internal filter status information is lost when you log off your workstation for the day.
- APAR IZ01052

Symptoms: JSC hangs when trace logs are activated and multiple refreshes are executed.

- APAR IZ01843
Symptoms: "SPLASH" and "ABOUT" is not updated from the level of fresh install with language pack, after installing the newer fix pack.
- APAR IZ03158
Symptoms: Sorting problems on default plan list - all scheduled job panels.
- APAR IZ03916
Symptoms: JSC 8.3 does not display white line on specified day by "free days calender".
- APAR IZ06453
Symptoms: JSC 8.3 Hyphen parse issue on external job dependency.
- APAR IZ06851
Symptoms: Late column in "all scheduled "JOBSTREAMS" view always blank.
- APAR IZ07121
Symptoms: Last time a job ran time stamp in database is incorrect.
- APAR IZ07349
Symptoms: Error AWSJCO026E is showed while opening JOBSTREAM/JOB.
- APAR IZ07558
Symptoms: Opening the explorer view within a job stream instance editor, in the plan, releases follows dependencies.
- APAR IZ08037
Symptoms: Problem importing filters from previous versions of JSC client console to JSC 8.3. The imported filters do not work.
- APAR IZ08434
Symptoms: "Last runtime" of never launched job is not correct on all job definition list.
- Defect 36029
Symptoms: JSC wrong management of the FTA connected engines (IZ00065).
- Defect 37076
Symptoms: Install PK47309 ON 8.3 fix pack.
- Defect 37273
Symptoms: Cannot add external job dep with job that has extended name.
- Defect 37276
Symptoms: Can not remove all rules from table criteria using JSC.
- Defect 37304
Symptoms: JSC hangs to threads sync failure.

APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 03 for Version 8.3.0

This section lists the APARs and Defects fixed in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 03 for Version 8.3.0

- APAR IY92440
Symptoms: Alternate plan is not selected correctly after sorting the list.
- APAR IY93242
Symptoms: SAP job is deleted even if the delete operation has been canceled.
- APAR IY93530

- Symptoms: Runcycles using non-cyclical periods incorrectly displayed in JSC calendar view.
- APAR IY94666
Symptoms: JSC 8.3 allows UNIX task type on windows workstation job and vice versa.
- APAR IY94969
Symptoms: JSC calendar view does not honor application valid from and valid to dates, displaying rundates outside the valid range.
- APAR IY94990
Symptoms: Redirect the preferences.xml of JSC 8.3 to a shared drive.
- APAR IY95399
Symptoms: Invalid actual start time in TWS console jobs properties.
- APAR IY95569
Symptoms: Release and version of TWSZ engine not displayed in JSC 8.3
- APAR IY96368
Symptoms: Successors and predecessors are not shown correctly for archived, and trial forecast plan on JSC.
- APAR IY96803
Symptoms: Missing functionality of copy and paste for job stream and job instances properties
- APAR IY97277
Symptoms: JSC 8.3 is not displaying EST job streams duration correctly. Job streams show blank and jobs show 00:00.
- APAR IY98239
Symptoms: External predecessors incorrectly displayed in graphical and explore view.
- Defect 29360
Symptoms: The SAP job user name is missing.

APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 02 for Version 8.3.0

This section lists the APARs and Defects fixed in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 02 for Version 8.3.0

- APAR IY86059
Symptoms: Items displayed twice in JSC.
- APAR IY87227
Symptoms: JSC 8.3 is not able to connect to Tivoli Workload Scheduler 8.1 on Z/OS
- APAR IY87554
Symptoms: JSC 8.3 Incorrect start date in common default plan list
- APAR IY88534
Symptoms: Cancel pending for the job streams does not work
- APAR IY88734
Symptoms: Cannot select the TIMEZONE for termination deadline.
- APAR IY88859
Symptoms: When a common plan list is created, the specified filter
- APAR IY89125

Symptoms: Timeline viewers for "all scheduled jobs" and "all scheduled job streams" display in GMT.

- APAR IY89764

Symptoms: Tivoli Workload Scheduler console hangs when deleting job stream instances highlighted by multiple selection

- APAR IY89790

Symptoms: Scheduled time field is uneditable in job stream submission.

- APAR IY89948

Symptoms: Working at the run cycles from the JSC, it is not possible to set a specific day for a rule. Generic day is always reset

- APAR IY90078

Symptoms: Incorrect validation of the R3BATCH command line field

- APAR IY90665

Symptoms: QQY702E on JSC V8R3 accessing TWSZ V8R1 via ZOS connector.

- APAR IY90879

Symptoms: JSC 8.3 handles time dependent operations differently from ISPF

- Defect: 19541

Symptoms: JSC incorrect behavior in the table criteria

- Defect: 20331

Symptoms: In submit ad hoc of job SAP, ws is not picked mandatory

- Defect: 20529

Symptoms: "task tab should be disable without wks field filled

- Defect: 19769

Symptoms: p type foot l are no longer supported by R/3

APARs and Defects in IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 01 for Version 8.3.0

Listed below are APARs in 8.3 for IBM Tivoli Workload Scheduler Job Scheduling Console for Fix Pack 1.

- APAR IY75466

Symptoms: JSC will not accept lowercase in workstation field of SAP job definition.

- APAR IY79062

Symptoms: JSC view of plan job stream properties show wrong production day, it shows the previous day.

- APAR IY84552

Symptoms: After calendar creation, going back into view dates shift back.

- Defect 21984

Symptoms: Modify job sap lose the class value

- Defect 22379:

Symptoms: JSCZOS: Wrong behavior when locking an object

- Defect 22818:

Symptoms: JSC - JSE hangs with a Predefined Prompt without

- Defect 23078

Symptoms: Cannot insert a step number rerunning a job sap

- Defect 23717

Symptoms: Message EEWO0746E does not show the userid in the text.

- Defect 24004
Symptoms: pick list help file update

Functions for the IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 03 Version 8.3.0

This version of the Job Scheduling Console supports the following new Tivoli Workload Scheduler for z/OS version 8.3 functions:

SLES 10 support

Tivoli Workload Scheduler 8.3 Fix Pack 3 has been successfully certified on Sles10. You can now install Tivoli Workload Scheduler 8.3 GA (December 2006) and then 8.3 Fix Pack 3. Using the following configuration you can run on SLES 10.0:

SuSE SLES 10.0 32bit xSeries , TWS 8.3 FP03 (server and FTA)
SuSE SLES 10.0 64bit pSeries , TWS 8.3 FP03 (server and FTA)
SuSE SLES 10.0 64bit AMD64/EM64T , TWS 8.3 FP03 (server and FTA)

Functions for the IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 02 Version 8.3.0

This version of the Job Scheduling Console supports the following new Tivoli Workload Scheduler for z/OS version 8.3 functions:

Critical path

Job Scheduling Console supports the critical path enhancements. For each job defined as critical, a specific critical path is calculated during daily planning processing. See Tivoli Workload Scheduler General Information manual version 8.3.0 for a detailed explanation.

Delay between jobs

Using this feature you can define a workstation on which to run a general job that waits for the period of time defined in its duration. In this way you obtain a controlled delay between a sequence of jobs. See Tivoli Workload Scheduler General Information manual version 8.3.0 for a detailed explanation.

Every option in application run cycles

Using this feature you can specify the frequency with which you want to run a job stream starting from the input arrival time. See Tivoli Workload Scheduler General Information manual version 8.3.0 for a detailed explanation.

Restart and Cleanup

This feature has been enhanced to perform:

- **Restart and cleanup functions with the JCL not expanded**
When you create a job by default the JCL is not expanded, during the restart and cleanup you cannot change it. Therefore the standard restart and cleanup functions runs with the JCL not expanded.
- **Fast Job Restart**
From the List of all scheduled jobs you can restart a job from the first step using the default values. You cannot modify the list of data sets with the related steps, or the JCL.
- **Fast Step Restart**
From the List of all scheduled jobs you can restart a job from the best step determined by the scheduler. You cannot select a different step or modify any other aspects of the job.

Workload Manager (WLM) integration

Using this feature you can:

- Associate a WLM scheduling environment to a job either directly in the database or in the plan.
- Filter for job streams that contain jobs associated with this WLM scheduling environment.
- Filter for job instances with this WLM scheduling environment.
- Filter for job stream instances that contain jobs associated with this WLM scheduling environment.
- Filter for job stream instances according to whether the associated jobs are waiting for a WLM scheduling environment.
- Filter for job instances waiting for a WLM scheduling environment.

System automation integration

Using this feature you can interface with Tivoli System Automation for z/OS. In detail you can:

- Define an Automation workstation in the database.
- Define an Automation job in the database.
- Modify an Automation job in the plan.

Special resource availability switch

Special resources are enhanced with the capability to automatically change their availability to OFF upon any of the following events:

- At the completion of an operation
- After *n* operations have started
- After a specified interval of time

See Tivoli Workload Scheduler General Information manual version 8.3.0 for a detailed explanation.

Kill a job instance running on a fault-tolerant agent

Using the kill function you can stop a job instance that is currently running on a fault-tolerant agent or on a standard agent.

Start the Job Scheduling Console from an external application

Using the `LIC_JSC_operating_system` script, you can start the Job Scheduling Console from an external application to display a list of jobs or job streams in the plan.

HP-UX 11iv2 for Integrity

Full support is extended on HP-UX 11iv2 for Integrity to the Job Scheduling Console and to both Connectors.

Dep Support

Tivoli Workload Scheduler is fully compatible with the Data Execution Prevention (DEP) feature of MicroSoft Windows operating systems.

Working with Windows Vista in compatibility mode

Tivoli Workload Scheduler runs on Windows Vista in compatibility mode.

jvm sr5 Support

For every platform jvm is redistributed with this fix pack. New jvm is jvm 1.4.2 sr5: With this jvm service release Australia, US and Canada Daylight Saving Time changes are correctly managed. Another CD is available for this fix pack with <jvm 1.4.2> file to permit software distribution via CM.

Daylight Saving Time (DST) changes

This fix pack automatically applies the required adjustments to the 2008 DST start and end dates in the US in accordance with the change mandated by the US Energy Policy Act of 2005.

To apply similar time zone adjustments for:

- Bermuda
- Brazil
- Canada
- Western Australia

you must run the IBM Time Zone Update Utility for Java (JTZU) manually after applying the fix pack.

Go to <http://www-128.ibm.com/developerworks/java/jdk/dst/index.html> to download the JTZU for free.

IBM Tivoli Workload Scheduler Job Scheduling Console users guide version 8.3 (Revised December 2006) has been updated to describe the new features. The users guide can be found at the Tivoli software information center Website.

Functions for the IBM Tivoli Workload Scheduler Job Scheduling Console Fix Pack 01 Version 8.3.0

The following are the functions available in IBM Tivoli Workload Scheduler Job Scheduling Console for Fix Pack 1 for Version 8.3.0

- 22660
Implement the multiple deletion for the explorer view.
- 22671
Implement the Cancel Pending.
- 22948
Specify Internetwork dependencies during the job submission.

Fix pack structure

This section shows the contents of the two CDs in this fix pack.

CD1 contains the Job Scheduling Console and has the following structure:

```
+---8.3.0-TIV-TWSJSC-FP0005.README (this file)
+---8.3.0-TIV-TWSJSC-FP0005.VSR
+---JSC
|
|   +---Aix
|   |   |   setup.bin
|   |   +---SPB
|   |       TWSConsole_FixPack.spb
|   +---HP
|   |   |   setup.bin
|   |   +---SPB
|   |       TWSConsole_FixPack.spb
|   +---+---HPIA64
|   |   |   setup.bin
|   |   +---SPB
|   |       TWSConsole_FixPack.spb
|   +---Linux
|   |   |   setup.bin
```

```

| | +---SPB
| | | TWSConsole_FixPack.spb
| +---Linux PPC
| | | setup.bin
| | +---SPB
| | | TWSConsole_FixPack.spb
| +---Response_File
| | | JSCFixPackinstallation.txt
| | +---Solaris
| | | | setup.bin
| | | +---SPB
| | | | TWSConsole_FixPack.spb
| | +---Windows
| | | | setup.exe
| | | +---SPB
| | | | TWSConsole_FixPack.spb
+---DOC
| README.U818801.PDF

```

CD2 contains the contents of the JVM SPB and has the following structure:

```

+---JVM_CM
| | JRE142_AIX.SPB
| | JRE142_HP.SPB
| | JRE142_I386NT.SPB
| | JRE142_LINUX_I386.SPB
| | JRE142_LINUX_PPC.SPB
| | JRE142_SOLARIS.SPB

```

Fix pack contents on FTP

```

+---8.3.0-TIV-TWSJSC-FP0005.README (this file)
|
+---8.3.0-TIV-TWSJSC-FP0005.Aix
| | JSC_Aix.tar
|
+---8.3.0-TIV-TWSJSC-FP0005.HP
| | JSC_HP.tar
|
+---8.3.0-TIV-TWSJSC-FP0005.HPIA64
| | JSC_HPIA64.tar
|
+---8.3.0-TIV-TWSJSC-FP0005.Linux
| | JSC_Lnx.tar
|
+---8.3.0-TIV-TWSJSC-FP0005.Linux PPC
| | JSC_Lnxppc.tar
|
+---8.3.0-TIV-TWSJSC-FP0005.Solaris
| | JSC_Solaris.tar
|
+---8.3.0-TIV-TWSJSC-FP0005.Windows
| | JSC_Win.zip
|
+---JVM_CM
| | JRE142_AIX.SPB
| | JRE142_HP.SPB
| | JRE142_I386NT.SPB

```



```
JRE142_LINUX_I386.SPB
JRE142_LINUX_PPC.SPB
JRE142_SOLARIS.SPB
JRE142_HP_IA64.SPB
```

Installing the fix pack

This section describes:

- “Interoperability tables”
- “Compatibility” on page 12
- “Software requirements to install this fix pack” on page 12
- “Installing the Job Scheduling Console fix pack” on page 13
- “Known Limitations for installing this fix pack” on page 13
- “Software Limitations and Workarounds” on page 14

Interoperability tables

The following tables show what associations are possible among component versions for:

- Tivoli Workload Scheduler
- Tivoli Workload Scheduler for Applications
- Tivoli Workload Scheduler for z/OS
- Distributed connector
- z/OS connector
- Job Scheduling Console
- Dynamic Workload Console

This table shows which versions of Tivoli Workload Scheduler and of the distributed connector, Job Scheduling Console, Dynamic Workload Console, and Tivoli Workload Scheduler for Applications can go together:

Table 1. Interoperability table for Tivoli Workload Scheduler

Tivoli Workload Scheduler	Distributed connector	Tivoli Job Scheduling Console	Tivoli Dynamic Workload Console	Tivoli Workload Scheduler for Applications
8.3	8.3, 8.3.0.01, 8.3.0.02	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03	N/A	<ul style="list-style-type: none"> • 8.2, 8.2.0.01, 8.2.0.02, 8.2.0.03, 8.2.0.04, 8.2.0.05, 8.2.0.06, 8.2.0.07, • 8.2.1, 8.2.1.0.01, 8.2.1.0.02 • 8.3, 8.3.0.01, 8.3.0.02
8.3.0.01	8.3.0.01, 8.3.0.02	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03	N/A	<ul style="list-style-type: none"> • 8.2, 8.2.0.01, 8.2.0.02, 8.2.0.03, 8.2.0.04, 8.2.0.05, 8.2.0.06, 8.2.0.07 • 8.2.1, 8.2.1.0.01, 8.2.1.0.02 • 8.3, 8.3.0.01, 8.3.0.02
8.3.0.02	8.3.0.02, 8.3.0.03	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03	8.3	<ul style="list-style-type: none"> • 8.2, 8.2.0.01, 8.2.0.02, 8.2.0.03, 8.2.0.04, 8.2.0.05, 8.2.0.06, 8.2.0.07 • 8.2.1, 8.2.1.0.01, 8.2.1.0.02 • 8.3, 8.3.0.01, 8.3.0.02

Table 1. Interoperability table for Tivoli Workload Scheduler (continued)

Tivoli Workload Scheduler	Distributed connector	Tivoli Job Scheduling Console	Tivoli Dynamic Workload Console	Tivoli Workload Scheduler for Applications
8.3.0.03 and later	8.3.0.03 and later	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03 and later	8.3 and later	<ul style="list-style-type: none"> • 8.2, 8.2.0.01, 8.2.0.02, 8.2.0.03, 8.2.0.04, 8.2.0.05, 8.2.0.06, 8.2.0.07 • 8.2.1, 8.2.1.0.01, 8.2.1.0.02 • 8.3, 8.3.0.01, 8.3.0.02 and later

This table shows which versions of Tivoli Workload Scheduler for z/OS and of the z/OS connector, Job Scheduling Console, and Dynamic Workload Console can go together:

Table 2. Interoperability table for Tivoli Workload Scheduler for z/OS

Tivoli Workload Scheduler for z/OS	z/OS connector	Tivoli Job Scheduling Console	Tivoli Dynamic Workload Console
8.1	8.3, 8.3.0.02	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03 and later	N/A
8.2	8.3, 8.3.0.02	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03 and later	N/A
8.2 + APAR PK33565	8.3, 8.3.0.02	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03 and later	8.3
8.3	8.3.0.02 and later	8.3, 8.3.0.01, 8.3.0.02, 8.3.0.03 Note: The new functions of Tivoli Workload Scheduler for z/OS version 8.3 are supported only on versions 8.3.0.02 and later.	8.3 Note: Version 8.3 of the scheduler is used in compatibility mode with 8.2. This means that even though Tivoli Workload Scheduler for z/OS version 8.3 is installed, only the version 8.2 functions can be used.

Compatibility

Instances of the following Job Scheduling Console versions can be run concurrently on the same workstation:

- Version level 1.3 or 1.4 (mutually exclusive)
- Version 8.3, 8.3.0.01 or 8.3.0.02 (mutually exclusive)

Software requirements to install this fix pack

To install the Job Scheduling Console component of this fix pack, you must have already installed IBM Tivoli Job Scheduling Console Feature Level 8.3.0 or later.

- Before installing the fix pack in undoable mode, ensure that you have 200 MB of free space in the root/Administrator home directory for the installation backup.
- On all platforms, the silent installation process follows this order regardless of your specifications:
 1. Apply
 2. Commit
 3. Undo

The correct parameters for a silent installation mode are:

```
-P beanCoreSPB.taskType=APPLY[UNDO,COMMIT]
```

The silent command is as follows:

```
- setup.bin -silent -P beanCoreSPB.taskType=APPLY[UNDO,COMMIT]
```

The alternative silent command is as follows:

```
- setup.bin -silent -options <response_file>
```

You have to customize the data in the response file with the correct values.

Installing the Job Scheduling Console fix pack

Note: Before installing the fix pack, create a backup copy of the Job Scheduling Console preferences file located inside the `.twconsole` directory.

The Job Scheduling Console fix pack installation is based on ISMP technology. You can install the fix pack only after you have installed the Job Scheduling Console. When you start the fix pack installation a welcome panel is displayed. If you click **Next**, a discovery action is launched, and a panel with the Job Scheduling Console instance and the discovered Job Scheduling Console directory is displayed.

No JSC instance is installed (8.3 or previous instances) => error message.

No JSC instance is installed (8.3 or previous instances) => error message. If no instance is discovered an error message appears. This means that the Job Scheduling Console is not installed on the machine or the registry has a problem. You must click **Next**, and exit from the installation panel.

No JSC 8.3 FP is installed => only APPLY action is possible.

If there are no previous fix packs applied to the Job Scheduling Console, then you can only select the **Apply** action. With this action the fix pack is installed in undoable mode and a backup copy of the product is stored on your workstation.

Previous JSC 8.3 FP is installed => APPLY current FP or ROLLBACK or COMMIT previous FP are permitted

If there are previous fix packs already installed, **Apply**, **Rollback** and **Commit** actions are available. If you select **Apply** the new fix pack is installed. If you select **Rollback**, you remove the fix pack installation and return to the previous installation of the Job Scheduling Console. If you select **Commit**, the installation backup copy is deleted and the fix pack installation mode changes to commit. Use the commit action after you have tested the fix pack.

If the fix pack installation is in commit mode and is corrupt, you can run the setup program and select the **Repair** action. This action is displayed in the panel in place of the apply action.

Known Limitations for installing this fix pack

The following are known problems, together with information to help avoid them, that you might encounter when installing this fix pack:

- Defect 37302 - To connect a Job Scheduling Console 8.3 fix pack 4 to a Tivoli Workload Scheduler MDM 8.3 fix pack 1, you need to install the PK47309 WAS patches on the MDM. This is a known problem due to WAS patches.
- The window displaying the installation summary displays the wrong disk space size.

- During the installation process a warning message might be displayed for replacing the Java Virtual Machine. You must answer YES.
- Time zone errors have been reported against Java 1.4.2 version 5 or later. 8.3.0-TIV-TWSJSC-FP0003 has been built using this level of Java to include the DST 2007 changes for US and Canada.

There is a major incompatibility issue in the recent Java service refreshes (1.4.2 SR5 or above; 5.0 SR1 or above) due to the reassignment of the three-letter time zone IDs ("EST" and "MST") introduced into the standard Olson time zone table. As a result, Job Scheduling Console 8.3 fix pack 02 that uses "EST" or "MST" will have incorrect time zone offset from Java APIs during the Daylight Saving Time period. During the period of DST, the time returned by the API call is now incorrect by one hour. If those are used, you should change the code to use the long time zone ID such as "America/New_York" or GMT based time zone ID such as "GMT-05:00".

From Tivoli Workload Scheduler 8.2.1 the long time zone ID has been implemented so it is recommended to use these long time zones. In addition to previous bug Java 1.4.2 SR5 or greater level remove the "AGT". AGT can now be accessed as America/Argentina/Buenos_Aires. If you apply fix pack 02 on the Job Scheduling Console version 8.3 you should not use the "AGT" time zone definition. The Job Scheduling Console 8.3 Fix Pack 02 will incorrectly display or submit ad hoc job/job stream with these time zone and time-dependencies. "AGT" will no longer be recognized by Java 1.4.2 SR5 .

Software Limitations and Workarounds

This section contains software limitations, problems, and workarounds for IBM Tivoli Workload Scheduler Job Scheduling Console.

The following are software limitations that affect IBM Tivoli Workload Scheduler Job Scheduling Console.

Communication problems with the engine when using IPv6

If you are using the Job Scheduling Console in environments where you are using the IPv6 protocol or in mixed environments where both the IPv4 and IPv6 protocols are in use, you might experience connection problems.

Workaround

To fix this problem set a configuration parameter in the application server, as follows:

1. Open the following file for editing:

```
$TWS_HOME/appserver/profiles/twsprofile/config/cells/
DefaultNode/nodes/DefaultNode/servers/server1/server.xml
```

2. Locate the variables

```
java.net.preferIPv4Addresses
```

and

```
java.net.preferIPv6Addresses
```

3. Set the variables as follows:

Pure IPv6 environment

```
java.net.preferIPv4Addresses=false
java.net.preferIPv6Addresses=true
```

Pure IPv4 environment

```
java.net.preferIPv4Addresses=true
java.net.preferIPv6Addresses=false
```

Mixed IPv4 and IPv6 environments

```
java.net.preferIPv4Addresses=false  
java.net.preferIPv6Addresses=false
```

4. Stop and restart the application server, using the commands **stopappserver** and **startappserver**

Properties of recovery jobs with the same name not displayed properly

Due to a defective identification process in the distributed connector, the properties of recovery jobs having the same name within the same job stream instance are not displayed properly. If you have more than one recovery job with the same name in the Job Scheduling Console list of job instances, and you select the one that was run last to see its properties, the properties displayed might not be those of the instance you expect but of a previous instance with the same name.

This applies to recovery jobs with the same name that are in the rerun chains of different jobs within a job stream as well as multiple instances of the same recovery job.

Estimated duration filter

In job and job stream plan lists you cannot filter the Estimated Duration by days.

Importing "All scheduled job instances"

Importing "All scheduled job instances" JSC 1.4 filters in JSC 8.3, the values of "Actual Start Time Range" refer to an older date.

Documentation updates

These are the fixes for the documentation APARs and internal defects that are made available.

They apply to the following documentation:

IBM® Tivoli® Workload Scheduler Job Scheduling Console version 8.3 User's Guide (December 2006; SC32-1257-06)

IY94109

In "Chapter 3. Planning and installing the z/OS connector", section "Installing the z/OS connector", replace the description of Step 7 with the following description:

Specify the user name and password of the *TWSuser* for which you are installing the connector.

When installing in a Windows® domain,

- If the specified user does not exist it is created with the permission necessary to work with Tivoli Workload Scheduler.
- If the *TWSuser* is a local user it must be specified in the form *hostname\username*, otherwise if you supply only the *username* the z/OS® connector installation considers it as a user domain.

Click **Next**.

- 41369** Add the following chapter in "Part 1. Planning and Installation" as Chapter 5:

Connecting no engine when starting the Job Scheduling Console

This chapter describes how to set user preferences to change the Job Scheduling Console default behavior to not connect any engines when you start it.

To do this modify, the preferences.xml file, by performing the following steps:

1. Open the preferences.xml file stored in the `user_home_directory/.twconsole/userdata` directory.
2. Add the **TryToConnect** key under the consoleUserPreferences node and set it to **false** as follows:

```
<entry key="TryToConnect" value="false"/>
```

When you start the Job Scheduling Console, no engine is connected. When you want to connect an engine, double-click its icon. When you want to change this behavior and start all the engines that you defined, you can either set the key to **true** or remove the key from the preferences.xml file.

- 39659** In "Chapter 23. Creating Domains", **Domain name** field, replace the description with the following:

The name of the domain. The name can start with a letter and can contain alphanumeric characters, dashes, and underscores. The maximum length is 16 characters.

- 35439** In "Chapter 26. Creating job streams, section "Creating distributed job streams", subsection "Time Restrictions page" replace the description of the **Time Zone** field with the following description:

This is a read-only field that displays the time zone you selected in the General page. All the time restrictions are expressed using this time zone. For information about enabling the time zone, refer to the *IBM Tivoli Workload Scheduler: Planning and Installation Guide*.

- 40433** In "Chapter 30, Creating Plan lists", perform the following changes:

In the section "Creating distributed job stream instance lists in the plan", **Dependencies** page, add the following note after the explanation of the **Job Stream** field:

Note: If you specify an asterisk (*) in the **Workstation** field or in the **Job Stream** field filters, you select all the job instances for which at least one job stream dependency was defined on each workstation or on each job stream. If you want to filter the job stream instances with at least one follows dependency from a job, you must specify also a value in the **Job** field.

In the section "Creating distributed job instance lists in the plan", **Dependencies** page, add the following note after the explanation of the Job/Job Stream Dependency sub-section:

Note: If you specify an asterisk (*) in the **Workstation** field and or in the **Job Stream** field filters, you select all the job instances for which at least one job stream dependency was defined on each workstation or on each job stream. If you want to filter the job instances with at least one follows dependency from a job, you must specify also a value in the **Job** field.

- 38787** In Chapter 47, "Managing Distributed Job Stream Instances in the Plan", perform the following changes:

In section "Releasing a job stream instance, add the following note:

Note: When you release a job stream instance that was created with priority 0 in the Job Scheduling Console, the job stream priority should remain at zero and the job stream instance should not start. However, the job stream starts immediately, because of an error in the way the Job Scheduling Console sets the priority information. To avoid this problem, use `conman` or `JnextPlan` to release the instance. The full explanation of why this happens is described in the online Release Notes under the heading: "The release of jobs or job streams submitted by the Job Scheduling Console with priority 0 does not work properly".

In the section "Changing the priority of a job stream instance", add another note:

Note: If you change the priority of a job stream instance to 0, the job stream instance should not start. However, the job stream starts immediately, because of an error in the way the Job Scheduling Console sets the priority information. To avoid this problem, use `conman` or `JnextPlan` to release the instance. The full explanation of why this happens is described in the online Release Notes in the section "The release of jobs or job streams submitted by the Job Scheduling Console with priority 0 does not work properly".

In Chapter 49, "Managing Distributed Job Instances in the Plan", perform the following changes:

In the section "Releasing a job instance", add a second note:

Note: When you release a job instance that was created with priority 0 in the Job Scheduling Console, the job priority should remain at zero and the job instance should not start. However, the job starts immediately, because of an error in the way the Job Scheduling Console sets the priority information. To avoid this problem, use `conman` or `JnextPlan` to release the instance. The full explanation of why this happens is described in the online Release Notes in the section "The release of jobs or job streams submitted by the Job Scheduling Console with priority 0 does not work properly".

IZ10959

In Chapter 47, "Managing distributed job stream instances in the plan", section "Cancelling a job stream instance" add the following sentence before the "For more information" sentence in the first paragraph:

If you cancel a job stream instance that contains jobs with a repeat range, only the last instance of these jobs is marked as canceled in the All scheduled Job list.

40746 In Chapter 5 "Installing and Adding Language Packs" after the "Adding language packs to an existing installation" section add the following section:

Changing language

To change a language, you must edit the console file for your operating system (for example, `NTConsole.bat`, `LinuxConsole.sh`)

and add the following options on the **START** command immediately following the `-Dcom.ibm.ssl.keyStore="$KEYSDIR/JSCDefaultKeyFile.jks"` option:

```
-Duser.language=xx
-Duser.region=yy
```

where `xx` is the standard two-digit language code and `yy` is the standard two-digit region code. For a list of language and region codes, see Table 3:

Table 3. Language code and region code for languages

Language code (xx)	Region code (yy)	Language
<i>de</i>	<i>DE</i>	German
<i>it</i>	<i>IT</i>	Italian
<i>es</i>	<i>ES</i>	Spanish
<i>fr</i>	<i>FR</i>	French
<i>ko</i>	<i>KR</i>	Korean
<i>ja</i>	<i>JP</i>	Japanese
<i>pt</i>	<i>BR</i>	Brazilian Portuguese
<i>zh_CN</i>	<i>CN</i>	Chinese Simplified
<i>zh_TW</i>	<i>TW</i>	Chinese Traditional

For example, in a Linux environment, to change to the Italian language, perform the following steps

1. Open the `LinuxConsole.sh` file.
2. Add the following options on the **START** command immediately after the `-Dcom.ibm.ssl.keyStore="$KEYSDIR/JSCDefaultKeyFile.jks"` option:

```
-Duser.language=it
-Duser.region=IT
```

You obtain the following result:

```
...
...
START "JSC" "%JAVAPATH%/bin/javaw"
-Dcom.ibm.ssl.keyStore="$KEYSDIR/JSCDefaultKeyFile.jks"
-Duser.language=it -Duser.region=IT
-Dcom.ibm.ssl.keyStore="%KEYSDIR%\JSCDefaultKeyFile.jks" ...
```

3. Save and close the file.

Chapter 2. Contacting IBM Software Support

Before contacting IBM Software Support with a problem, refer to the IBM Software Support site by accessing the following Web address:

<http://www.ibm.com/software/support>

To access Tivoli support, click the Tivoli support link at the bottom right of the page.

If you want to contact IBM Software Support, see the *IBM Software Support Guide* at the following Web site:

<http://techsupport.services.ibm.com/guides/handbook.html>

The guide provides information about how to contact IBM Software Support, depending on the severity of your problem, and the following information:

- Registration and eligibility.
- Telephone numbers, depending on the country in which you are located.
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