



**IBM Tivoli Configuration Manager 4.2.3 ReadMe File for Interim Fix
4.2.3-TCM-0001**

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Chapter 1. About this interim fix

This section includes the following topics:

- “Interim fix contents and prerequisites”
- “New features contained in this interim fix” on page 2
- “Product compatibility” on page 3
- “Fixes contained in this interim fix” on page 4

Interim fix contents and prerequisites

IBM® Configuration Manager, Version 4.2.3, Interim Fix 4.2.3-TCM-0001 prerequisites IBM Tivoli® Configuration Manager, Version 4.2.3.

Perform the following steps to extract the interim fix:

1. Extract the contents into a scratch directory. Assume that the symbol \$PATCH points to this directory. Five tar files are provided:
 - 4.2.3-TCM-0001_docs.tar
 - 4.2.3-TCM-0001_images.tar
 - 4.2.3-TCM-0001_package.tar
 - 4.2.3-TCM-0001_spb_installer.tar
 - 4.2.3-TCM-0001_tools.tar
2. cd \$PATCH
3. tar -xvf 4.2.3-TCM-0001_docs.tar. Under the \$PATCH you will find the following Directory or Path Contents:
 - /docs** Readme files.
4. tar -xvf 4.2.3-TCM-0001_images.tar. Under the \$PATCH you will find the following Directory or Path Contents:
 - /xml** To install interim fixes using the ISMP installation program, 423CM001.xml file contained in this directory must be copied locally and referred to at the installation time.
 - /images** Images required for this interim fix.
5. tar -xvf 4.2.3-TCM-0001_package.tar. Under the \$PATCH you will find the following Directory or Path Contents:
 - /package** Software package block files used to patch GUI components and the CM423_SPB_0001.xml descriptor file.
6. tar -xvf 4.2.3-TCM-0001_spb_installer.tar. Under the \$PATCH you will find the following Directory or Path Contents:
 - /spb_installer** SPB Patch Installer that installs SPB interim fixes locally.
7. tar -xvf 4.2.3-TCM-0001_tools.tar. Under the \$PATCH you will find the following Directory or Path Contents:
 - /JarVersion** Scripts to retrieve and display the version of the .jar files currently installed.

/LoginControl

Software package blocks and executable files used to implement the concurrent login feature. For more information on this feature, see “New features contained in this interim fix.”

New features contained in this interim fix

The following feature has been introduced in this interim fix:

Table 1. Customer enhancement request references

Description	Feature
Avoiding concurrent logins during critical distributions	Feature 54613
Performing the logoff operation on Windows® endpoints	Feature 55186
Displaying the .jar files version	Feature 55204
Displaying the patch level for the Activity Plan Editor and Activity Plan Monitor	Feature 55205
Completing workflows separately	Feature 55260
Enabling proxy support for the Patch Management solution	

Avoiding concurrent logins during critical distributions - Feature 54613

On Windows operating systems, you can use the concurrent login feature to prevent the end user from logging in to the workstation and performing a shutdown while a distribution is taking place. This feature guarantees that critical distributions are not interrupted. You can also define a maximum number of logins that can be performed during a distribution. In this case, the distribution is paused and restarts after the user logs off. For more information, see Chapter 2, “Implementing the concurrent login feature,” on page 19.

Performing the logoff operation on Windows endpoints - Feature 55186

You can perform the logoff operation on Windows endpoints. A new action has been added to the software package definition file. You can define the logoff operation in the following phases:

- during_install
- during_remove
- during_commit
- during_undo

For more information on this feature, see Chapter 4, “Documentation notes,” on page 41.

Displaying the .jar files version - Feature 55204

You can display the version of APM .jar files, if the version is indicated in the .jar file. You can start the command on Tivoli servers and managed nodes after having set the Tivoli environment, as described below:

On UNIX® operating systems:

```
./wjarversion.sh jarfile
```

On Windows operating systems:

```
wjarversion.bat jarfile
```

where:

jarfile Is the name of the .jar file for which you want to display the version. The following are the .jar files supported for this feature:

- apm.jar
- apm_utils.jar
- swd_plugin.jar
- tl_plugin.jar

The files required for implementing this feature are located in the /JarVersion folder in IBM Tivoli Configuration Manager, Interim Fix 4.2.3-TCM-0001.

Displaying the patch level for the Activity Plan Editor and Activity Plan Monitor - Feature 55205

You can display the patch level installed for the Activity Plan Editor and Activity Plan Monitor by selecting the **About** menu item in the **Help** menu.

Completing workflows separately - Feature 55260

You can decide whether patch management workflows are completed in one step or are separated in several steps. This feature guarantees a higher flexibility in the workflow process. For more information on this feature, see Chapter 4, “Documentation notes,” on page 41.

Enabling proxy support for the Patch Management solution

You can use a proxy server to access the Microsoft® Web site, or your local HTTP server.

The workflow implemented in IBM Tivoli Configuration Manager, Version 4.2.3, downloads the mssecure.cab file from the Microsoft Web site. This procedure requires that the Automation Server be directly connected to the Internet with no proxy server in between.

The 4.2.3-TCM-0001 interim fix provides a new parameter for using an HTTP proxy to access the Microsoft Web site or a local HTTP server where the mssecure.cab file has been downloaded. You can customize the HTTP proxy server name (if enabled) and the related user ID and password (if required by the proxy settings). Proxy parameters are defined at installation time in the tpm_update.req file, as described in “Upgrading the Patch Management Automation Server driver” on page 37. This feature guarantees a higher security when accessing the Internet or your local network. For more information on this feature, see Chapter 4, “Documentation notes,” on page 41.

Product compatibility

Compatibility is defined as whether different versions of a Tivoli product can communicate with different versions of Tivoli Management Framework.

IBM Tivoli Configuration Manager, Version 4.2.3 Interim Fix 4.2.3-TCM-0001 was tested using Tivoli Management Framework, Version 4.1.1 plus the following interim fixes:

- 4.1.1-TMF-0044
- 4.1.1-TMF-0039
- 4.1.1-LCF-0020

Fixes contained in this interim fix

Table 2 lists the fixes included in this interim fix:

Table 2. Fixes included in this interim fix

Interim fix	Component/Service
4.2.3-SWDSRV-0001	Software Distribution, Version 4.2.3
4.2.3-SWDGW-0001	Software Distribution Gateway, Version 4.2.3
4.2.3-SWDJPS-0001	Software Distribution Software Package Editor, Version 4.2.3
4.2.3-APM-0001	Activity Planner, Version 4.2.3
4.2.3-CCM-0001	Change Manager, Version 4.2.3
4.2.3-WEB-0001	Web Interface, Version 4.2.3
4.2.3-PRI-0001	Pristine Manager, Version 4.2.3
4.2.3-PMG-0001	Patch Management, Version 4.2.3
4.2.3-CLL-0001	Scalable Collection Service, Version 4.2.3
4.2.3-INV-0001	Inventory, Version 4.2.3
4.2.3-INVGW-0001	Inventory Gateway, Version 4.2.3

APARs and internal defects fixed for Inventory

Table 3 lists the APARs and internal defects that were fixed for Inventory:

Table 3. APARs and internal defects for Inventory

Inventory, Version 4.2.3, 4.2.3-INV-0001		
IY69466	IY70283	IY70916
IY70604	IY71015	IY72989
IY73177	IY73657	179423
179893	180462	
Inventory Gateway, Version 4.2.3, 4.2.3-INVGW-0001		
IY63636	IY70006	IY70234
IY70308	IY70912	IY70951
IY71000	IY71001	IY71336
IY72224	IY72269	IY72860
IY72944	IY73290	IY73560

APAR IY70587

Abstract:

Inconsistent behavior is encountered when working with activity plans.

Error Description:

If some targets have the software already installed, they are given a status of SUCCESS, so the next activity in the plan starts. If all the targets have the software installed, all the targets get a status of FAILED and the next activity is CANCELED_BY_CONDITION.

APAR IY63636

Abstract:

Inventory scan fails if mrmmbios.mif contains a value enclosed in double quotation marks.

Error Description:

Inventory scan fails if mrmmbios.mif contains a value enclosed in double quotation marks. An error message is displayed:
MIF parse error: mrmmbios.mif: line 63: Syntax error: "LifeBook".

APAR IY69466**Abstract:**

The **wloadiso** command returns an error on AIX® endpoints

Error Description:

When running the **wloadiso** command from an AIX endpoint to send data for an isolated scan, data (contained in the INV_ISO.DAT file) cannot be sent to the database because the mc_get_data on the endpoint fails with the following error in the mcollect.log file:

```
Mar 17 14:32:22 1 pid:00024490 tid:537204488 tmf_req_invoke
failed (nobody lcf) for mc_get_data on
1707025648.206.517+ TMF_Endpoint::Endpoint :
CLLFW0005E: Failed to open File:
/opt/tivoli/lcf/inv/ISOLATED/depot/INV_ISO.DAT.
```

APAR IY70006**Abstract:**

Group class name problem

Error Description:

Core dump on UNIX and Dr. Watson on Windows, when reading a custom MIF file that does not contain the class entry in the group.

APAR IY70234**Abstract:**

bios.ini ignored during hardware scan

Error Description:

The bios.ini file filled while running the command mrmmbios -d bios -a is ignored during the hardware scan by the mrmmbios tool. The only way to force mrmmbios to read the information from the bios.ini file is to use the command mrmmbios -d bios.ini as a script to run inside the profile, after the scan.

APAR IY70283**Abstract:**

The data handler stops processing and starts rejecting ctocs.

Error Description:

When the data handler scheduler is down, there is no way to process the output queue and bring the entries below the threshold.

APAR IY70308**Abstract:**

Obtaining unique serial number for HP server 11.0 and later using the **getconf** command.

Error Description:

Inventory should be able to return server serial numbers for both new and old HP servers.

APAR IY70604**Abstract:**

dist_timeout value set by the **winvmgr** command is ignored

Error Description:

Even if you set the dist_timeout parameter by using the command **winvmgr**, the default timeout period is not overridden.

APAR IY70912**Abstract:**

Incorrect user name returned by inventory when WMI is used.

Error Description:

When scanning Windows endpoints, Inventory reports an incorrect user name (PC_SYS_PARAMS table) when the user name contains more than one backslash.

APAR IY70916**Abstract:**

Problem with Inventory configuration GUI

Error Description:

The Inventory Configuration GUI cannot be opened through a putty or SSH session.

APAR IY70951**Abstract:**

Processor model not detected on Linux[®] and reported as unknown

Error Description:

Processor model not detected on Linux and reported as unknown

APAR IY71000**Abstract:**

The reported speed of Pentium[®] III processors varies with every scan

Error Description:

Inventory reports as 'CurrentClockSpeed' the value computed by the legacy algorithm when SMBIOS is not available and WMI it is. Instead, it should report the value provided by WMI.

APAR IY71001**Abstract:**

The speed reported for processors is wrong.

Error Description:

Inventory uses the legacy code for retrieving all the CPU information if WMI attribute 'ProcessorId' is empty. Instead, it should use the legacy code only for the information not provided by WMI.

APAR IY71015

Abstract:

Inventory is issuing a wrong commit command

Error Description:

Inventory requires commit to the database after processing one thousand lines, while the commit should be performed after processing one hundred lines.

APAR IY71336**Abstract:**

Processor NC600 HP - Pentium M reported as unknown

Error Description:

Processor model NC600 HP is reported as unknown.

APAR IY72224**Abstract:**

The **wscanner** command stops while scanning NFS remote drives.

Error Description:

The **wscanner** command stops while scanning NFS remote drives.

APAR IY72269**Abstract:**

After applying fix pack 4.2-INV-FP05, the information on IP addresses is lost.

Error Description:

After applying fix pack 4.2-INV-FP05, the information on IP addresses is lost.

APAR IY72860**Abstract:**

Results from Inventory scans are not return if Inventory is not registered.

Error Description:

The scan is correctly performed but the results are not returned if Inventory is not registered.

APAR IY72944**Abstract:**

Isolated scan of an endpoint in differential mode does not work

Error Description:

Isolated scanning of an endpoint in differential mode does not work.

APAR IY72989**Abstract:**

4.2.2 SQL migration scripts do not migrate the MEM_MODULES_TOTAL table.

Error Description:

4.2.2 SQL migration scripts do not migrate the MEM_MODULES_TOTAL table.

APAR IY73177

Abstract:

Distributions with the **Distribute configuration file** option selected stop indefinitely.

Error Description:

When distributing an InventoryConfig profile customized with the **Distribute configuration file** option selected, the MDist2 distribution completes successfully, while both the **wgetscanstat** and the **wmdist** commands indicate that the distribution is still active.

APAR IY73290**Abstract:**

The **wscanner** command hangs on the USB component with a Targus Port Replicator device.

Error Description:

When distributing a hardware scan to a Windows workstation with a Targus Port Replicator device attached, the **wscanner** process hangs on the target machine.

APAR IY73560**Abstract:**

An error is encountered during an attempt to generate native ID information.

Error Description:

An error is encountered during an attempt to generate native ID information.

APAR IY73657**Abstract:**

This APAR addresses APAR IY57445: Inventory scans on AIX 3.3 workstations terminate abruptly.

Error Description:

Inventory scans on AIX 3.3 workstations terminate abruptly.

Defect 179423**Abstract:**

Correct usage for **wloadiso** command.

Error Description:

The correct usage for the **wloadiso** command is as follows: **wloadiso** [-d { 1 | 2 | 3 }] -f *filename* | -l *listfilename*. For more information, see Chapter 4, "Documentation notes," on page 41.

Defect 179893**Abstract:**

The "ORA-01401: inserted value too large for column" error message is returned when the package name is too long.

Error Description:

The size of the T_NATIV_SWARE column must be enlarged.

Defect 180462

Abstract:

An error is encountered when distributing a scan profile using the **winviso** command.

Error Description:

The scan profile distribution associated with the **winviso** command loops.

APARs and internal defect fixed for Scalable Collection Service

Table 4 lists the APARs and internal defects that were fixed for Scalable Collection Service:

Table 4. APARs and internal defects for Scalable Collection Service

Scalable Collection Service, Version 4.2.3, 4.2.3-CLL-0001		
IY66400	IY69816	IY70039

APAR IY66400

Abstract:

Data Handler input thread remains forever pending

Error Description:

Data Handler input thread remains forever pending if a network failure occurs while a downstream collector is sending data.

APAR IY69816

Abstract:

After creating the **tmersrvd** account on an HP-UX workstation, the collector stops working.

Error Description:

As a consequence of the **tmersrvd** account definition, the **Collector_prog1** process runs with the **tmersrvd** account while the **mcollect** directory is created by **Inventory** with different following permissions.

APAR IY70039

Abstract:

wcollect -n option implementation for gateway collector

Error Description:

The new **-n** option for the **wcollect** command must be also applied to gateway collectors.

APARs and internal defects fixed for Software Distribution

Table 5 lists the APARs and internal defects that were fixed for Software Distribution:

Table 5. APARs and internal defects for Software Distribution

Software Distribution, Version 4.2.3, 4.2.3-SWDSRV-0001		
IY70587	IY70596	
IY71192	IY71401	IY71403
IY71443	IY71461	IY71795
IY72216	IY72454	54846

Table 5. APARs and internal defects for Software Distribution (continued)

Software Distribution, Version 4.2.3, 4.2.3-SWDSRV-0001		
55063	55194	55275
Software Distribution Gateway, Version 4.2.3, 4.2.3-SWDGW-0001		
IY68380		
IY69280	IY70198	IY70495
IY71010	IY71192	IY71983
IY71991	IY72454	IY72698
IY72786	55063	55194
55275		
Software Package Editor, Version 4.2.3, 4.2.3-SWDJPS--0001		
IY67885	IY72632	
Software Package Editor for Endpoints, Version 4.2.3, 4.2.3-SWDEP-0001		
IY68380	IY69280	IY70198
IY70495	IY71010	IY71991
IY72698	IY72490	IY72786

APAR IY67885

Abstract:

The DISSP6039W error is returned when opening a software packages in spd format using the Software Package Editor on a Windows endpoint.

Error Description:

The Software Package Editor does not open software packages in .spd format containing the instructions for adding a Windows shell folder.

APAR IY68380

Abstract:

Problem with text file and command line objects

Error Description:

When creating an Add a command line object, and selecting the position Before last match , in the workspace of the Software Package Editor the position is displayed as After first matches. When installing the Software Package Editor for Endpoints created with the endpoint, the line is not added correctly.

APAR IY69280

Abstract:

Installing a software package containing an execute_user_program does not correctly resolve the operation_phase variable.

Error Description:

If the commit operation is performed in undoable-in-transactional cycle, the operation_phase is not reset to commit after performing the backup.

APAR IY70495

Abstract:

No preexisting SPB can be distributed after migrating from 4.0 to 4.2.1

Error Description:

No preexisting Software Package Editor for endpoints can be distributed after migrating from Software Distribution 4.0 to Software Distribution 4.2.1.

APAR IY70596

Abstract:

Performing a commit on Linux Red Hat ES 3.0

Error Description:

On a Linux Red Hat ES 3.0 platform, when committing a transactional software package using the "commit and close" button, you get the following oserv error:

FRWSL0024E A failure was detected by the oserv daemon.

APAR IY70198

Abstract:

The reexecute operation during the commit phase is not working.

Error Description:

The reexecute operation during the commit phase does not work when the exit code for success_reboot_now_reexecute is specified.

APAR IY71010

Abstract:

Transactional remove of a software package

Error Description:

The transactional remove of a software package with transactional execute user program at remove time fails, if it runs a second time.

APAR IY71192

Abstract:

Software Distribution target log files show commit phase actions

Error Description:

Software Distribution 4.2 with Fix Pack 4, when performing a transactional installation of a software package, commit in-a-reboot, during the installation the log file on the target shows the actions that will occur during the commit phase before the commit occurs.

APAR IY71401

Abstract:

MAX_NUM_TRANSACTIONS and REPORT_TRANSACTION_TIMEOUT

Error Description:

The parameters max_num_transactions and report_transaction_timeout cannot be honoured by the Software Distribution Manager at reporting time.

APAR IY71403

Abstract:

Improve the performance of wspmldata

Error Description:

The run time of the command wspmldata needs to be improved.

APAR IY71443**Abstract:**

winstsp -l force_mandatory=n does not work

Error Description:

The installation is automatically started when the mandatory date is reached.

APAR IY71461**Abstract:**

SD_INST table not updated with correct EXEC_TIME value

Error Description:

When the software packages are uploaded to the SD_INST table during the time frame when **is_cmstatus_enabled=false**, the EXEC_TIME of the software packages is wrong. It should be the actual installation time, not the time of the update to the SD_INST table.

APAR IY71795**Abstract:**

Software Distribution data moving retrieve from endpoints - tpost script rerun

Error Description:

When oserv is restarted while the tpost script is executing on one of the endpoints, the tpost script is executed twice on the next endpoint. This should not occur.

APAR IY71983**Abstract:**

SPD_ENG not setting value for environment variable USERPROFILE

Error Description:

When spd_eng runs on a Windows endpoint , it does not set the correct value for the environment variable USERPROFILE.

APAR IY71991**Abstract:**

Configuration Manager does not correctly manage variables set to blank in the sdist.nfo and swdis.var files.

Error Description:

Configuration Manager does not correctly manage variables with value set to blank in the sdist.nfo or swdis.var files.

APAR IY72216**Abstract:**

Software Distribution dependency check set on causes spo_core problem

Error Description:

When running a Software Distribution installation with the dependency check set on, spo_core memory size keeps growing due to a memory leak.

APAR IY72454

Abstract:

Data moving send or retrieve operations on Windows source hosts fail to remove a subdirectory.

Error Description:

Data moving send or retrieve operations on Windows source hosts fail to remove a subdirectory in the \$DBDIR.

APAR IY72490

Abstract:

The customer requires a method for recovering information from a corrupted endpoint catalog (epsp.cat file)

Error Description:

If the epsp.cat file becomes corrupt, all information on software packages on the endpoint is lost. With this defect, the new **-b catalog_backup_file** option has been added to the **wdlssp** command. This option creates a backup copy of the catalog to the file you specified. The information stored in the epsp.cat file is retrieved up to the point where the corruption occurred. Some data in the new file might be inconsistent if the command failed to retrieve complete data from the corrupt catalog. You can then manually replace the catalog with the new file.

APAR IY72632

Abstract:

Software Package Editor: You can only insert 16 characters in the **Package Version** field in the **General** tab of the **Package Properties** panel

Error Description:

The input field should allow the user to type 64 characters.

APAR IY72698

Abstract:

ITCM 4.2.1 - FP02: corequisite files are not removed from the Software Distribution service folder after performing a commit operation

Error Description:

Corequisite files are not removed from the Software Distribution service folder after performing a commit operation

APAR IY72786

Abstract:

Failed container conditions are logged twice in software package log if the software package includes a restart/reboot action

Error Description:

A software package with multiple containers with conditions, ending with a restart, is distributed to an endpoint. Upon the reboot of the endpoint, the software package log on the Tivoli server shows that the failed conditions in the software package were evaluated twice.

Defect 55194

Abstract:

Software Distribution trace files on endpoints are created with wrong access rights: --w--wx-wT

Error Description:

Software Distribution trace files on endpoints are created with wrong access rights: --w--wx-wT. Traces are written to standard output because trace files cannot be accessed anymore.

APARs and internal defects fixed for Activity Planner

Table 6 lists the APARs and internal defects that were fixed for Activity Planner:

Table 6. APARs and internal defects for Activity Planner

Activity Planner, Version 4.2.3, 4.2.3-APM-0001		
IY69394	IY70587	IY71064
IY71340	IY71810	IY71812
IY71963	IY72845	IY72998
IY73503	IY73905	IY74468
IY74948	54559	

APAR IY69394

Abstract:

Incomplete description of the Preview button in the Activity Plan Editor help.

Error Description:

The description of the Preview button in the Activity Plan Editor help is incomplete.

APAR IY70587

Abstract:

Inconsistent behavior is encountered when working with activity plans.

Error Description:

If some targets have the software already installed, they are given a status of SUCCESS, so the next activity in the plan starts. If all the targets have the software installed, all the targets get a status of FAILED and the next activity is CANCELED_BY_CONDITION.

APAR IY71064

Abstract:

Restart of plan does not work

Error Description:

The restart of the plan does not work if an intermediate activity has been completed in successful state.

APAR IY71340

Abstract:

START_NOT_BEFORE option incorrectly resolved

Error Description:

If a plan is submitted from an endpoint with an Activity Planner monitor between 12 and 13 p.m. the `start_not_before` option is incorrectly resolved.

APAR IY71810**Abstract:**

APM missing exception in case the admin user is not configured

Error Description:

If a plan has targets listed in a file (.txt), Activity Planner is not able to read the file in case the `swd_admin` is not properly configured and no exception is reported in the Activity Planner traces at submission time.

APAR IY71812**Abstract:**

Filtering Activity Planner monitor option not working

Error Description:

The filtering option does not work properly and does not show the requested results.

APAR IY71963**Abstract:**

Activity Plan Monitor exceeds the maximum size for the transactional log file on Sybase.

Error Description:

Several Activity Plan Monitor GUIs with Automatic Update Refresh enabled cause the Sybase transaction log file to exceed the maximum size after a few hours.

APAR IY72845**Abstract:**

Files generated as output of tasks in the Activity Plan Editor must be created by the user logged in at plan submission time.

Error Description:

A task defined in the Activity Plan Editor as having an output file is performed with the user logged in at plan submission time, while the task output file is created by the `tivapm` user.

APAR IY72998**Abstract:**

Activity Planner hangs when processing plans with more than 200 activities.

Error Description:

Activity Planner hangs while analyzing the activities in the plan.

APAR IY73503**Abstract:**

Activity plans distributed to profile manages using a Hub region fail.

Error Description:

When distributing activity plans to profile managers using a Hub region, the region name is appended at the activity name. This causes the activities to fail.

APAR IY73905**Abstract:**

Lenient distribution ignores targets.

Error Description:

The `winstsp -T` command does not recognize targets listed in the file and distribution fails even if the `lenient_distribution` option is set to true.

APAR IY74468**Abstract:**

Missing target when the `cache_global_target_info` option is set to yes.

Error Description:

When the `cache_global_target_info` option is set to yes, some targets are skipped and some activities in the plan might address different targets.

APAR IY74948**Abstract:**

Resuming activity plans may fail if the plans are submitted as paused and include several activities.

Error Description:

Resuming activity plans may fail if the plans are submitted as paused and include several activities.

APAR fixed for Change Manager

Table 7 lists the APAR that was fixed for Change Manager:

Table 7. APARs and internal defects for Change Manager

Change Manager, Version 4.2.3, 4.2.3-CCM-0001		
IY64369		

APAR IY64369**Abstract:**

The Search for reference models option does not work

Error Description:

The search functionality does not work if the Table View of the reference model is selected.

APARs fixed for the Web Interface

Table 8 lists the APARs that were fixed for Web Interface:

Table 8. APARs and internal defects for Web interface

Web Interface, Version 4.2.3, 4.2.3-WEB-0001		
IY70838	IY71394	

APAR IY70838

Abstract:

Trace always created even if trace enabled set to false

Error Description:

The traces are always written. There is no ability to disable the trace.

APAR IY71394**Abstract:**

Inventory is not working with PDAs

Error Description:

Inventory profiles are correctly distributed to PDAs, but no report is returned to the Tivoli server, due to an error during the conversion to the Inventory .dat format.

APAR fixed for Pristine Manager

Table 9 lists the APAR that was fixed for Pristine Manager:

Table 9. APARs and internal defects for Pristine Manager

Pristine Manager, Version 4.2.3, 4.2.3-PRI-0001		
IY71465		

APAR IY71465**Abstract:**

Configuration Manager 4.2.2/ Pristine Manager: cannot create the operating system element

Error Description:

The OSELEMENT table contains a column named LABEL, which is a reserved word. To use it as a column name, it must be included in quotes. The same problem occurs when creating a machine element.

Internal defects fixed for Patch Management

Table 10 lists the internal defects that were fixed for Patch Management:

Table 10. APARs and internal defects for Patch Management

Patch Management, Version 4.2.3, 4.2.3-PMG-0001		
53932	53934	54956
55130	55273	55329

APAR**Abstract:****Error Description:****Defect 53932****Abstract:**

Workflow MS_SECURE_GET_CAB.wkf cannot manage HTTP proxies.

Error Description:

The `catalog_proxy_enabled` parameter has been added to the `wseccfg` command. For more information, see Chapter 4, "Documentation notes," on page 41.

Defect 53934**Abstract:**

The e-mail message delivered to the Administrator does not contain enough information.

Error Description:

The e-mail message should contain a status report and the list of activity plans to be submitted.

Defect 54956**Abstract:**

The console.log file does not log any message about plans deletion.

Error Description:

When running the Group_Status_Updater workflow, the console.log file does not log any information when plans are deleted.

Defect 55130**Abstract:**

The TCM_Update_Patches.wkf workflow deletes all plans.

Error Description:

If the **delete_plans** parameter is set to yes, the workflow deletes all activity plans, rather than deleting only the plans generated with the Patch Management solution.

Chapter 2. Implementing the concurrent login feature

This section explains how to install, configure, and use the concurrent login feature to prevent the end user from logging in to the workstation during critical distributions.

Installing the concurrent login feature

Before you can install this feature, you must have installed Software Distribution and Activity Planner, as described in *IBM Tivoli Configuration Manager: Planning and Installation Guide*.

The **4.1.1-TMF-0044** Tivoli Framework patch must also be installed on the Tivoli server and gateways.

To install the concurrent login feature, perform the following steps:

1. Install the **4.2.3-SWDSRV-0001** Software Distribution patch to update the Software Distribution command line and GUI.
2. Install the **4.2.3-SWDGW-0001** Software Distribution gateway patch to update Windows endpoints.
3. Install the **4.2.3-APM-0001** Activity Planner patch to update the Activity Planner GUI.
4. Upgrade the Activity Planner plug-ins, as described in “Upgrading plug-ins” on page 38.
5. Distribute the **Tivoli_login_control_4.2.3.spb** software packages to the endpoints.
6. Type the following command to enable the feature on the specified endpoint:
`wep endpoint_name set allow_distribution_control on`

where:

endpoint_name

Is the name of the endpoint where the feature is to be enabled.

Repeat the command for each endpoint where the feature is to be enabled.

7. Download the `wdepccm.exe` file from the `/LoginControl` folder on CD 2 to the endpoints.

Configuring the concurrent login feature

After installing the concurrent login feature as described in “Installing the concurrent login feature,” you can configure the registry keys created on the endpoints with the **Tivoli_login_control_4.2.3.spb** software package.

The registry keys are created in the following locations within the Registry Editor:

- HKEY_LOCAL_MACHINE\SOFTWARE\Tivoli\SWDnotification
- HKEY_LOCAL_MACHINE\SOFTWARE\Tivoli\SWDnotification\upcall
- HKEY_LOCAL_MACHINE\SOFTWARE\Tivoli\SWDnotification\wmands

To view and edit the registry keys, use the **wdepccm** command. For more information on this command, see “wdepccm” on page 24.

The following is a list of all the registry keys created on the endpoints:

Keys located in

HKEY_LOCAL_MACHINE\SOFTWARE\Tivoli\SWDnotification

IsEnabled

Specifies whether the concurrent login feature is enabled. Supported values are **1**, which means that the feature is enabled, and **0**, which means that the feature is disabled. The default value is **1**.

TraceLevel

Specifies the tracing level. Supported values are as follows:

- 0** Traces are disabled. This is the default value.
- 1** Standard tracing is enabled.
- 2** Verbose tracing is enabled.

TracePath

Specifies the full path and name of the trace files. The default value is: `$(system_drive)\SWDnotification.log`.

DenyPopupEnabled

Specifies whether a message must be displayed on the endpoint to notify the user that login is temporarily disabled. Supported values are **1**, which means that the dialog is displayed, and **0** which means that the dialog is not displayed. The default value is **1**.

PopUpTimeout

Specifies how many seconds the message must be displayed on the endpoint if you set the **DenyPopupEnabled** key to **1**. The default value is **10**.

LoginDeniedTitle

Defines the title of the dialog box displayed on the endpoint if you set the **DenyPopupEnabled** key to **1**. The default value is SWDNotification.

LoginDeniedMsg

Defines the text contained in the dialog box displayed on the endpoint if you set the **DenyPopupEnabled** key to **1**. When customizing the message, you can use the `\r\n` symbols for inserting a carriage return. The default value is: "Distribution in progress\r\nLogon temporarily disabled."

DenyLogonOnPauseError

Specifies whether the user can be allowed to log in to the workstation if an error occurs during an attempt to pause the distribution. Supported values are **1**, which means the user is not allowed to log in, and **0**, which means the user is allowed to log in. The default value is **1**.

LoginDeniedMsgOnPauseError

Defines the text contained in the dialog box displayed on the endpoint if the distribution cannot be paused and you set the **DenyLogonOnPauseError** key to **1**. When customizing the message, you can use the `\r\n` symbols for inserting a carriage return and the `$(DIST_ID)` variable which is replaced at run time with the distribution ID. The default value is: " The pause failed for distribution `$(DIST_ID)`\r\n Contact system administrator."

SwitchPopupDesktop

Specifies whether the message displayed on the endpoint if you set the **DenyPopupEnabled** key to **1**, must be shown on a new Windows desktop.

Supported values are **0**, which means the default Windows desktop is used, and **1**, which means a new Windows desktop is used. The default value is **1**.

LogoffType

Specifies which type of logoff must be performed. Supported values are as follows

- 0** Performs a standard logoff. This is the default value.
- 1** Performs a forced logoff ending all active processes.
- 2** Performs a logoff ending active and hung processes.

DefaultShutdownAllowdBeforeReset

Defines the number of shutdown operations after which the user is allowed to log in again. This key prevents the user from being irrecoverably logged out of the workstation. The default value is **20**.

CompletionPopupEnabled

Specifies whether a message is displayed on the endpoint to notify the user that the last distribution has completed and login is allowed. Supported values are **0**, which means the message is not displayed, and **1**, which means the message is displayed.

CompletionProgramPath

Specifies the path to the application that manages the message to be displayed if you set the **CompletionPopupEnabled** to **1**. Use this key if you modified the path where wcompmsg.exe is installed or if you want to use a different application for managing the message.

CompletionPopupTitle

Defines the title of the dialog box displayed on the endpoint if you set the **CompletionPopupEnabled** key to **1**. The default value is SWDNotification.

CompletionPopupMsg

Defines the text contained in the dialog box displayed on the endpoint if you set the **CompletionPopupEnabled** key to **1**. When customizing the message, you can use the \n symbol for inserting a carriage return. The default value is: "Distribution complete\nLogon is now permitted."

ShutdownPopupEnabled

Specifies whether a message is displayed when you attempt to perform a shutdown during a distribution for which the shutdown has been disabled. You must choose between performing a logoff immediately, performing a restart immediately, or performing a logoff immediately and subsequently a shutdown when the last distribution completes. See also LogoffShutdownString. Supported values are **0**, which means the message is not displayed, and **1**, which means the message is displayed. The default value is **1**.

ShutdownPopupMsg

Defines the text contained in the dialog box displayed on the endpoint if you set the **ShutdownPopupEnabled** key to **1**. When customizing the message, you can use the \n symbol for inserting a carriage return. The default value is: "The machine will shutdown when the distribution completes."

Keys located in

HKEY_LOCAL_MACHINE\SOFTWARE\Tivoli\SWDnotification\upcall

LCF_BINDIR

Is the fully qualified path to the LCF_BINDIR.

LCF_CACHEDIR

Is the fully qualified path to the LCF_CACHEDIR.

LCF_DATDIR

Is the fully qualified path to the LCF_DATDIR.

UpcallProgram

Is the fully qualified path to the application which communicates with the gateway.

UpcallTimeout

Specifies the timeout in seconds for communicating with the gateway. The default value is **120** seconds.

Keys located in

HKEY_LOCAL_MACHINE\SOFTWARE\Tivoli\SWDnotification\wmansd

Title Defines the title of the dialog box displayed on the endpoint if you set the **ShutdownPopupEnabled** key to **1** and the user attempts to perform a shutdown during a distribution for which the shutdown has been disabled. The default value is SWDNotification.

Message

Defines the message contained in the dialog box displayed on the endpoint if you set the **ShutdownPopupEnabled** key to **1** and the user attempts to perform a shutdown during a distribution for which the shutdown has been disabled. When customizing the message, you can use the \n symbol for inserting a carriage return. The default value is: "Please choose one of the following."

Timeout

Specifies a timeout in seconds for choosing between a logoff, a restart, and a logoff and shutdown. If you set the timeout to **0**, the message is not displayed and the default action is performed. Otherwise, the default action is performed after the timeout expires. For more information on the default action, see DefaultAction. The default value is **0**.

LogoffString

Defines the first option displayed in the message to request whether a logoff should be performed. If you select this option, a logoff is performed immediately. The default value is "Logoff".

LogoffShutdownString

Defines the second option displayed in the message to request whether a logoff and a shutdown should be performed. If you select this option, a logoff is performed immediately and a shutdown is performed when the last distribution completes. The default value is "Logoff and shutdown when complete".

RestartString

Defines the third option displayed in the shutdown message to request whether a restart should be performed. If you select this option, a restart is performed immediately. The default value is "Restart".

DefaultAction

Specifies the default action to be performed when the timeout expires or is set to **0**. Supported values are as follows:

1 Performs a logoff immediately.

- 2 Performs a logoff immediately and a shutdown when the last distribution completes. This is the default value.
- 3 Performs a restart immediately.

LeftLogonPopupEnabled

Specifies whether a message must be displayed on the endpoint listing the number of logins allowed on the workstation. You can define this key when limited logins are allowed during the distribution. If an error occurs and the distribution cannot be paused, the message is not displayed. Supported values are **0**, which means the message is not displayed, and **1**, which means the message is displayed. The default value is **1**.

LeftLogonPopupMsg

Defines the message contained in the dialog box displayed on the endpoint if you set the **LeftLogonPopupEnabled** key to **1**. When customizing the message, you can use the `\n` symbol for inserting a carriage return and the `$(LEFT_LOGON)` variable which is replaced at run time with the number of allowed logins. The default value is: "The current distribution has been paused\nYou can logon `$(LEFT_LOGON)` times."

wdepцем

Displays and configures the registry keys created when the concurrent login feature is installed on the endpoint. It can also unlock a workstation that has been locked by mistake.

Syntax

wdepцем [-r | -g *property* | -s *property*]

Options

- r** Unlocks a workstation that has been locked by mistake.
- g *property***
 Displays the setting defined for the specified registry key.
- s *property***
 Defines a setting for the specified registry key, as follows:
 - e [true | false]**
 Specifies whether the concurrent login feature is enabled. Supported values are **true**, which means that the feature is enabled, and **false**, which means that the feature is disabled. The default value is **true**.
 - p [true | false]**
 Specifies whether a message must be displayed on the endpoint to notify the user that login is temporarily disabled. Supported values are **true**, which means that the dialog is displayed, and **false** which means that the dialog is not displayed. The default value is **true**.
 - t *timeout***
 Specifies how many seconds the message must be displayed on the endpoint if you set the **-p** option to **true**. The default value is **10**.
 - l *popup_title***
 Defines the title of the dialog box displayed on the endpoint if you set the **-p** option to **true**. The default value is SWDNotification.
 - L *popup_msg***
 Defines the text contained in the dialog box displayed on the endpoint if you set the **-p** option to **true**. The default value is: "Distribution in progress\r\nLogon temporarily disabled."
 - m [true | false]**
 Specifies whether the user can be allowed to log in to the workstation if an error occurs during an attempt to pause the distribution. Supported values are **true**, which means the user is not allowed to log in, and **false**, which means the user is allowed to log in. The default value is **true**.
 - M *popup_msg***
 Defines the text contained in the dialog box displayed on the endpoint if the distribution cannot be paused and you set the **-m** option to **true**. When customizing the message, you can use the \r\n symbols for inserting a carriage return and the \$(DIST_ID) variable which is replaced at run time with the distribution ID. The default value is: "The pause failed for distribution \$(DIST_ID)\r\nContact the system administrator."
- x *level*** Specifies the tracing level. Supported values are as follows:

- 0 Traces are disabled. This is the default value.
- 1 Standard tracing is enabled.
- 2 Verbose tracing is enabled.

-y *pathname*

Specifies the full path and name of the trace files. The default value is: `$(system_drive)\SWDnotification.log`.

-s [**true** | **false**]

Specifies whether the message displayed on the endpoint if you set the **-p** option to **true**, must be shown on a new Windows desktop. Supported values are **true**, which means a new Windows desktop is used, and **false**, which means the default desktop is used. The default value is **true**.

-d *max_shutdowns*

Defines the number of shutdown operations after which the user is allowed to log in again. This key prevents the user from being irrecoverably logged out of the workstation. The default value is **20**.

-o [0 | 1 | 2]

Specifies which type of logoff must be performed. Supported values are as follows:

- 0 Performs a standard logoff. This is the default value.
- 1 Performs a forced logoff ending all active processes.
- 2 Performs a logoff ending also hung processes.

-c [**true** | **false**]

Specifies whether a message is displayed on the endpoint to notify the user that the last distribution has completed and log in is allowed. Supported values are **true**, which means the message is displayed, and **false**, which means the message is not displayed. The default value is **true**.

-b *pathname*

Specifies the path to the application that manages the message to be displayed if you set the **-c** option to **true**. Use this key if you modified the path where `wcompmsg.exe` is installed or if you want to use a different application for managing the message.

-u *popup_title*

Defines the title of the dialog box displayed on the endpoint if you set the **-c** option to **true**. The default value is `SWDNotification`.

-v *popup_msg*

Defines the text contained in the dialog box displayed on the endpoint if you set the **-c** option to **true**. When customizing the message, you can use the `\r\n` symbols for inserting a carriage return. The default value is: `"Distribution complete\nLogon is now permitted."`

-w [**true** | **false**]

Specifies whether a message is displayed when you attempt to perform a shutdown during a distribution for which the shutdown has been disabled. You must choose between performing a logoff immediately, performing a restart immediately, or performing a logoff immediately and subsequently a shutdown when the last

distribution completes. See also the -H option. Supported values are **true**, which means the message is displayed, and **false**, which means the message is not displayed. The default value is **true**.

-z *shut_popup_msg*

Defines the text contained in the dialog box displayed on the endpoint if you set the **-w** option to **true**. When customizing the message, you can use the \n symbol for inserting a carriage return. The default value is: "The machine will shut down when the last distribution completes."

-B *pathname*

Specifies the fully qualified path to the LCF_BINDIR.

-C *pathname*

Specifies the fully qualified path to the LCF_CACHEDIR.

-D *pathname*

Specifies the fully qualified path to the LCF_DATDIR.

-U *pathname*

Specifies the fully qualified path to the application which communicates with the gateway.

-W *timeout*

Specifies the timeout in seconds for communicating with the gateway. The default value is **120** seconds.

-E *popup_title*

Defines the title of the dialog box displayed on the endpoint if you set the **-w** option to **true** and the user attempts to perform a shutdown during a distribution for which shutdown has been disabled. The default value is SWDNotification.

-F *popup_msg*

Defines the message contained in the dialog box displayed on the endpoint if you set the **-w** option to **true** and the user attempts to perform a shutdown during a distribution for which the shutdown has been disabled. When customizing the message, you can use the \n symbol for inserting a carriage return. The default value is: "Please choose one of the following"

-G *timeout*

Specifies a timeout in seconds for choosing between a logoff, a restart, and a logoff and shutdown. If you set the timeout to **0**, the message is not displayed and the default action is performed. After the timeout expires, the default action is performed. For more information on the default action, see the -J option. The default value is **0**.

-T *logoff_str*

Defines the first option displayed in the message to request whether a logoff should be performed. If you select this option, a logoff is performed immediately. The default value is "Logoff".

-H *logoff_and_shut*

Defines the second option displayed in the message to request whether a logoff and a shutdown should be performed. If you select this option, a logoff is performed immediately and a shutdown is performed when the last distribution completes. The default value is "Logoff & shutdown when complete".

-K *restart_str*

Defines the third option displayed in the shutdown message to request whether a restart should be performed. If you select this option, a restart is performed immediately. The default value is "Restart".

-J [1 | 2 | 3]

Specifies the default action to be performed when the timeout expires or is set to 0. Supported values are as follows:

- 1 Performs a logoff immediately.
- 2 Performs a logoff immediately and a shutdown when the last distribution completes. This is the default value.
- 3 Performs a restart immediately.

-P [true | false]

Specifies whether a message must be displayed on the endpoint listing the number of logins allowed on the workstation. You can define this key when limited logins are allowed during the distribution. Supported values are **true**, which means the message is displayed, and **false**, which means the message is not displayed. The default value is **true**.

-Q *message*

Defines the message contained in the dialog box displayed on the endpoint if you set the **-P** option to 1. When customizing the message, you can use the `\n` symbol for inserting a carriage return and the `$(LEFT_LOGON)` variable which is replaced at run time with the number of allowed logins. The default value is: "The current distribution has been paused\nYou can logon `$(LEFT_LOGON)` times."

Return Values

The **wdepccm** command returns one of the following:

0 Indicates that **wdepccm** completed successfully.

other than zero

Indicates that **wdepccm** failed due to an error.

Examples

1. To display the value set for the **-p** option, type the following command:
`wdepccm -g p`
2. To set the default action to be performed when the timeout expires so that an immediate logoff is performed, type the following command:
`wdepccm -s J 1`

Avoiding concurrent logins during critical distributions

Using the GUI or the command line, you can define a set of software packages for which user login and shutdown operations can be disabled while the distribution is taking place. This feature guarantees that critical distributions are not interrupted. You can also define a maximum number of logins that can be performed during a distribution. If the user logs in, the distribution is paused and restarts after the user logs off.

Using a series of configurable messages, you can notify the user of the distribution taking place on the workstation, list the number of logins allowed, if any, and prompt the user who is trying to perform a shutdown during a distribution for which the shutdown is disabled to choose between logoff options.

In the Software Distribution command line, the **-X {none | first | middle | last | both}**, **-Y *max_login_allowed***, and **-W** options have been added to the following commands, as described below:

- waccpst
- wcommtsp
- winstsp
- wspmldata
- wremovsp
- wundosp

-X {none | first | middle | last | both}

Use this option to define a set of software packages for which user login and shutdown operations can be disabled while the distribution is taking place. If you define a package as **first**, this package is the first in a series for which you can define these options. Define the other packages in the series as **middle** and the last package as **last**. A software package defined as **last** must exist for each software package defined as **first**. If the series consists of just one package, define this package as **both**, which means the software package is both first and last in the series. The default value is **none** which means user login and shutdown operations cannot be disabled.

-Y *max_login_allowed*

Use this option to specify whether users can log on to the workstation while a distribution is taking place. This setting can be defined only for software packages defined as **first** or **both**. It applies to software packages defined as **first**, **middle**, **last**, or **both**. Supported values are **0** (no login is allowed), **-1** (an unlimited number of logins is allowed), and any positive integer. If a login is performed while the distribution is taking place, the distribution is paused until the user performs a logoff.

-W

Specifies that the user cannot perform a shutdown while a distribution is taking place. If the user attempts to perform a shutdown and the timeout is set to a value other than zero using the **Timeout** key, a dialog box is displayed on the endpoint listing the allowed operations and requesting the user to select one. The user can choose between performing a restart, a logoff, or a logoff and shutdown. The restart and logoff operations are performed immediately, while the shutdown is performed after the last distribution has completed. If the user does not respond to the

dialog within the allotted time, the default action is performed. The default action is logoff and shutdown.

In the Activity Planner and Software Distribution GUI, the Concurrent Login section was added to the panels for the following operations, as described below:

- Accept
- Commit
- Delete
- Install
- Retrieve
- Send
- Remove
- Undo

Type Define a set of software packages for which user login and shutdown operations can be disabled while the distribution is taking place. If you define a package as **first**, this package is the first in a series for which you can define these options. Define the other packages in the series as **middle** and the last package as **last**. A software package defined as **last** must exist for each software package defined as **first**. If the series consists of just one package, define this package as **both**, which means the software package is both first and last in the series. The default value is **none** which means user login and shutdown operations cannot be disabled.

Max Login Allowed

Specify whether users can log on to the workstation while a distribution is taking place. You can specify this setting only for software packages defined as **first** or **both**. Packages defined as **middle** or **last** inherit the settings defined for the package defined as **first**. Supported values are **0** (no login is allowed), **-1** (an unlimited number of logins is allowed), and any positive integer. If a login is performed while the distribution is taking place, the distribution is paused until the user performs a logoff.

Disable Shutdown

Select this check box to specify that the user cannot perform a shutdown while a distribution is taking place. If the user attempts to perform a shutdown and the timeout is set to a value other than zero using the **Timeout** key, a dialog box is displayed on the endpoint listing the allowed operations and requesting the user to select one. The user can choose between performing a restart, a logoff, or a logoff and a shutdown. The restart and log off operations are performed immediately, while the shutdown is performed after the last distribution has completed. If the user does not respond to the dialog within the allotted time, the default action is performed. The default action is log off and shutdown. You can specify this setting only for software packages defined as **first** or **both**. Packages defined as **middle** or **last** inherit the settings defined for the package defined as **first**.

Dataless packages cannot be paused, therefore you should add them in a series of packages and define them as **middle**.

For more information on the Software Distribution GUI and command line, refer to *IBM Tivoli Configuration Manager: User's Guide for Software Distribution* and *IBM Tivoli Configuration Manager: Reference Manual for Software Distribution*.

Chapter 3. Installation

This section includes the following topics:

- “Traditional interim fix installation methods”
- “Software package block (SPB) interim fix installation for GUI components” on page 33
- “Upgrading plug-ins” on page 38

Traditional interim fix installation methods

Installing interim fixes using ISMP

The InstallShield MultiPlatform (ISMP) program provides a wizard-guided process for installing interim fixes. It performs a check of the environment and installs prerequisites required, if any, to perform the upgrade process.

The ISPM tool generates an activity plan in XML file format that you can use to upgrade your IBM Tivoli Configuration Manager environment.

It provides a depoting mechanism and allows you to plan the upgrade of the entire Tivoli region by creating activity plans that can be scheduled at a later date. This installation can be used on all platforms supported as a Tivoli server, excluding Linux for S/390®.

Before starting the upgrade process, back up the object database on the Tivoli server.

Before running each generated activity plan, back up the object database on the Tivoli server and each affected managed node.

For details about performing backup operations, see *Tivoli Management Framework: Maintenance and Troubleshooting Guide*. To upgrade your IBM Tivoli Configuration Manager environment using the interim fixes included in this set, complete the following steps:

1. Copy locally the 423CM001.xml file provided located in the \$PATCH/xml directory (from 4.2.3-TCM-0001_images.tar). Click Next.
2. Locate and run the Upgrade_\$(INTERP) executable in the Upgrade directory on the IBM Tivoli Configuration Manager Version 4.2.3 Installation CD-ROM, where \$(INTERP) represents the operating system on which you are launching the upgrade process. Click Next.
3. Accept the Software License Agreement.
4. Either accept the default Directory Name, \$DBDIR/Upgrade, or type the path to the \$PATCH/xml directory on the local machine. Click Next.
5. The system determines which components are installed in your Tivoli region. Select the components you want to upgrade. Click Next.
6. The actions necessary to upgrade your environment are being generated. When the process completes, a panel displays the interim fixes you must install. Click Next.

7. Accept the default Directory Name, \$DBDIR/Upgrade/Depot, or specify a different one. The installation images for the upgrade will be stored in this directory. Click Next.
8. You are prompted for the installation images. Navigate to the \$PATCH/images directory that contains all the interim fix installation images (.IND files).
9. Select whether to create a single plan or an individual plan. Create a single plan: creates a single plan that contains all the activities to perform an upgrade. Create individual plan: creates a plan for each application, service or component, to upgrade. Click Next.
10. The generated plans can be submitted immediately or scheduled at a later date.

If you selected to create individual plans, only the first one is submitted. The remaining activity plans are not queued. You must submit the remaining plans one at a time in the same sequence in which they were generated. If an activity plan fails, you can restart it using the instructions for the Activity Planner component as documented in *IBM Tivoli Configuration Manager: User's Guide for Deployment Services*.

Note: The **Automatically recycle of object dispatcher** option does not apply to the Tivoli Management Region server.

Installing interim fixes using the Tivoli desktop

When installing interim fixes using the Tivoli desktop, the images are located in the \$PATCH/images directory (from 4.2.3-TCM-0001_images.tar). The Tivoli desktop can upgrade the same product on multiple machines serially. The basic procedure for using the Tivoli desktop to upgrade a product is as follows:

1. From the Tivoli desktop, select Install -> Install Patch from the Desktop menu.
2. Select the media and component to be upgraded.
3. Select the machines where the component is to be upgraded.
4. Click Install.

For detailed information about using the Tivoli desktop to install or upgrade products, see *Tivoli Enterprise™: Installation Guide*.

Installing interim fixes using the CLI

When upgrading products using the wpatch command, specify the name of the index file using the file shown below. When using the wpatch command to upgrade a product, you specify the following information on the command line:

1. The location of the image on the installation media.
2. The name of the index file associated with the product to be installed or upgraded.
3. The machines where the image is to be installed as described in the following example:

```
wpatch -c $PATCH/images -i index file managed node
```

where

-c \$PATCH/images

Specifies the path where images are located

-i index file

Specifies the managed node on which the interim fix is installed.

managed node

Specifies the product installation index file to which the interim fix is installed.

If you do not specify a machine when running the **wpatch** command, the image is installed on all managed nodes in the Tivoli region when there is a prior version of this image. For detailed information about using the **wpatch** command, see *Tivoli Management Framework: Reference Manual*. The following table contains a list of IND files included in this interim fix.

Table 11. IND files included in this interim fix

IND file	Component name	Tag
423SWD01	Software Distribution, Version 4.2.3	4.2.3-SWDSRV-0001
423SGW01	Software Distribution Gateway, Version 4.2.3	4.2.3-SWDGW-0001
423JPS01	Software Distribution Software Package Editor, Version 4.2.3	4.2.3-SWDJPS-0001
423APM01	Activity Planner, Version 4.2.3	4.2.3-APM-0001
423CCM01	Change Manager, Version 4.2.3	4.2.3-CCM-0001
423WEB01	Web Interface, Version 4.2.3	4.2.3-WEB-0001
423PRI01	Pristine Manager, Version 4.2.3	4.2.3-PRI-0001
423PMG01	Patch Management, Version 4.2.3	4.2.3-PMG-0001
423CLL01	Scalable Collection Service, Version 4.2.3	4.2.3-CLL-0001
423INV01	Inventory, Version 4.2.3	4.2.3-INV-0001
423LCF01	Inventory Gateway, Version 4.2.3	4.2.3-INVGW-0001

Software package block (SPB) interim fix installation for GUI components

Software package blocks included in this interim fix:

- Tivoli_APM_GUI_Fix.v4.2.3.FP00.P1.spb
- Tivoli_CCM_GUI_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_AIX_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_HP_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_LINUXPPC_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_LINUX_IX86_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_LINUX_S390_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_NTAS400_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_NT_Fix.v4.2.3.FP00.P1.spb
- Tivoli_SWDEP_SOLARIS_Fix.v4.2.3.FP00.P1.spb
- Tivoli_WebUI_Fix.v4.2.3.FP00.P1.spb

- Tivoli_Web_Gateway_DB_Fix.v4.2.3.FP00.P1.spb
- Tivoli_Web_Gateway_SRV_Fix.v4.2.3.FP00.P1.spb

IBM Tivoli Configuration Manager, Version 4.2.3 GA package is a prerequisite of the SPB interim fixes.

You can install the interim fix 4.2.3-SWDEP-0001 using any of the following different installation mechanisms:

- “SPB Patch Installer” on page 36
- “Software Distribution server command” on page 36
- “Software Distribution disconnected command” on page 37

The default variables defined in the SPB interim fixes are listed in the following table:

Table 12. Default variables defined in SPB fix packs

Variable	Value	Description
Tivoli_APM_GUI_Fix.v4.2.3.FP00.P1		
DSWIN_DIR	\$(program_files)\Tivoli\Desktop	The directory where the Tivoli Desktop is installed.
TME_JAVATOOLS	\$(program_files)\Tivoli\JavaTools	The directory where the JRE 1.3 is installed.
Tivoli_CCM_GUI_Fix.v4.2.3.FP00.P1		
DSWIN_DIR	\$(program_files)\Tivoli\Desktop	The directory where the Tivoli Desktop is installed.
TME_JAVATOOLS	\$(program_files)\Tivoli\JavaTools	The directory where the JRE 1.3 is installed.
Tivoli_SWDEP_AIX_Fix.v4.2.3.FP00.P1		
target_dir	\$(product_dir)/speditor	The directory where the Software Package Editor is installed.
TME_JAVATOOLS	/opt/Tivoli/JavaTools	The directory where JRE 1.3 is installed.
Tivoli_SWDEP_HP_Fix.v4.2.3.FP00.P1		
target_dir	\$(product_dir)/speditor	The directory where the Software Package Editor is installed.
TME_JAVATOOLS	/opt/Tivoli/JavaTools	The directory where JRE 1.3 is installed.
Tivoli_SWDEP_LINUX_IX86_Fix.v4.2.3.FP00.P1		
target_dir	\$(product_dir)/speditor	The directory where the Software Package Editor is installed.
TME_JAVATOOLS	/opt/Tivoli/JavaTools	The directory where JRE 1.3 is installed.
Tivoli_SWDEP_LINUX_S390_Fix.v4.2.2.FP00.P1		
target_dir	\$(product_dir)/speditor	The directory where the Software Package Editor is installed.
Tivoli_SWDEP_LINUXPPC_Fix.v4.2.3.FP00.P1		

Table 12. Default variables defined in SPB fix packs (continued)

Variable	Value	Description
target_dir	\$(product_dir)/speditor	The directory where the Software Package Editor is installed.
TME_JAVATOOLS	/opt/Tivoli/JavaTools	The directory where JRE 1.3 is installed.
Tivoli_SWDEP_NT_Fix.v4.2.3.FP00.P1		
target_dir	\$(product_dir)\speditor	The directory where the Software Package Editor is installed.
TME_JAVATOOLS	\$(program_files)\Tivoli\JavaTools	The directory where JRE 1.3 is installed.
Tivoli_SWDEP_NTAS400_Fix.v4.2.3.FP00.P1		
target_dir	\$(product_dir)\speditoras400	The directory where the Software Package Editor for AS/400® is installed.
TME_JAVATOOLS	\$(program_files)\Tivoli\JavaTools	The directory where the JRE 1.3 is installed.
Tivoli_SWDEP_SOLARIS_Fix.v4.2.3.FP00.P1		
target_dir	\$(product_dir)\speditor	The directory where the Software Package Editor is installed.
Tivoli_Web_Gateway_DB_Fix.v4.2.3.FP00.P1		
DMS.Destination	"C:\Program Files\TivTwg"	The directory where the Tivoli Web Gateway is installed.
Tivoli_Web_Gateway_SRV_Fix.v4.2.3.FP00.P1		
CLUSTER_ENV	false	Specifies whether the cluster Tivoli Web Gateway Server is to be upgraded.
LCF_LIBDIR.UNIX	\$(LCFROOT)/lib/\$(INTERP)	
INTERP	aix4-r1	Specifies the INTERP of the Tivoli Web Gateway Server.
LCF_LIBDIR	\$(LCF_LIBDIR.\$(os_family))	The LCF_LIBDIR of the endpoint
AppServer	/opt/WebSphere/AppServer	Specifies where the WebSphere® Application Server home is located.
LCF_LIBDIR.PC	\$(LCF_BINDIR)	
LCF_DATDIR	/opt/Tivoli/lcf/dat/1	Specifies the LCFDAT directory for the endpoint.
LCFROOT	/opt/Tivoli/lcf	Specifies the LCFROOT directory for the endpoint.
DMS.Destination	/usr/TivTWG	Specifies where the Tivoli Web Gateway is installed.
LCF_BINDIR	\$(LCFROOT)/bin/\$(INTERP)/mrt	Specifies the LCFBINDIR directory for the endpoint.
Hostname	hostname.domain	Specifies the Tivoli Web Gateway hostname.

Table 12. Default variables defined in SPB fix packs (continued)

Variable	Value	Description
Tivoli_WebUI_Fix.v4.2.3.FP00.P1		
AppServer	/opt/WebSphere/AppServer	Specifies the WebSphere Application Server home directory.
WebSrvDoc	/usr/IBMHttpServer/htdocs/en_US	Specifies the directory for the Web Server documentation.
LCF_LIBDIR	/opt/Tivoli/lcf/lib/aix4-r1	Specifies the LCFLIB directory for the endpoint.

SPB Patch Installer

This installation method uses ISMP technology and enables you to install interim fixes on an endpoint or stand-alone machine to upgrade IBM Tivoli Configuration Manager, Version 4.2.3 GUI components. The SPB Patch Installer is supported on Microsoft Windows, IBM AIX, Solaris Operating Environment, Linux (forIntel), and HP-UX.

The following is a summary of the upgrade process using the SPB Patch Installer. Refer to the SPB Patch Installer Guide located in the `spb_installer` directory from 4.2.3-TCM-0001_spb_installer.tar for complete instructions on using this tool. To install the SPB interim fixes using the SPB Patch Installer, perform the following steps:

1. Locate and run the setup program located in the `spb_installer` directory.

On Windows

run the `setup.exe` executable file

On all other platforms

run the `setup_platform.bin`

2. Read the Welcome panel and click Next.
3. Specify the XML descriptor file for this interim fix located in the `$PATCH/package` directory. Click Next.
4. Select the Apply option and click Next.
5. Specify the components you want to install and click Next.
6. Clear the selection of the components for which you do not want to install in undoable mode. Click Next.
7. You may be prompted to specify the value of some variables defined in the SPB. Ensure that they are consistent with the existing installation on the machine to be upgraded.
8. A Summary panel is displayed. Click Next.
9. The upgrade process starts.

Software Distribution server command

To use this type of installation, your Tivoli environment must contain an installation of the Software Distribution Server component, the Software Distribution Gateway component, and a Tivoli endpoint.

The following steps must be performed to apply the SPB interim fix on the targets: Create a new Profile in a Profile Manager, using the naming convention described below:

`$(package).spb --> $(package)`

1. Import the SPB interim fix provided into the new Profile.
2. Select the endpoints to which you want to distribute the interim fix.
3. Submit the install using either the command line or the Tivoli desktop.

If you need to overwrite the values of the default variables, use the `-D` option (`winstsp -D variable=value GUI_component.spb`) from the command line, or the Default Variables panel from the Tivoli desktop.

Software Distribution disconnected command

To use this type of installation, you must have the Software Distribution Software Package Editor component installed on the endpoint. If you need to overwrite the values of the default variables, use the `-D` option (`wdinstsp -D variable=value GUI_component.spb`) from the command line.

Upgrading the Patch Management Automation Server driver

If you installed the Patch Management solution, Version 4.2.3, you need to uninstall the previous Patch Management Automation Server driver and install the new driver provided in this interim fix. To install the new driver, perform the following steps:

1. Stop the Tivoli Configuration Manager Automation Server:
 - a. Log on as user `tioadmin`.
 - b. Open a Cygwin bash window and switch to the `$TIO_HOME/tools` directory.
 - c. To stop the application, run the command: `./tio_stop.cmd`
 - d. At the **User name** prompt, type `wasadmin` and press **Enter**.
 - e. At the **Password** prompt, if you have not changed the password for WebSphere Application Server, type the default password `wasadmin` and press **Enter**.
 - f. Optionally, check the log file `$TIO_HOME/logs/tio_stop.log` for errors.
2. Uninstall the previous Patch Management Automation Server driver:
 - a. In the `$TIO_HOME/tools` directory, run the `./tc-driver-manager.cmd uninstallDriver tcm-ms-patches` command
3. Copy the new version of the Patch Management Automation Server driver:
 - a. Switch to the `$BINDIR/TME/PATCH_MGMT/TPM_TCM_DRIVER` directory.
 - b. Copy the new `tcm-ms-patches.tcdriver` file to the `$TIO_HOME/drivers` directory.
 - c. Remove the `$TIO_HOME/drivers/lib/tcm-ms-patches.jar` file.
4. Install the new version of the Patch Management component:
 - a. Switch to the `$TIO_HOME/tools` directory.
 - b. Run the `./tc-driver-manager.cmd installDriver tcm-ms-patches` command. The following files are created in the `$TIO_HOME/xml` directory:
 - `xml/xml_update.sh`
 - `xml/tpm_update.req`
5. Modify the `tpm_update.req` file using Cygwin by providing the appropriate values for the following keywords:

```
TPM_HOST_NAME=  
TPM_HOME=
```

```
SUS_SERVER_NAME=  
SUS_IP_ADDRESS=
```

```
SUS_SERVER_USER=  
SUS_SERVER_PASSWORD=
```

```
PROXY_HOST=  
PROXY_PORT=  
PROXY_USER=  
PROXY_PASSWD=
```

For the `TPM_HOST_NAME` keyword, you must specify the hostname of the workstation where the Patch Management component is installed.

6. Create the `tcm-dcm_2112.xml` file:
 - a. In the `$TIO_HOME/xml` directory, run the `./xml_update.sh` command. The `tcm-dcm_2112.xml` file is created.
7. Reinitialize the Patch Management environment:
 - a. Switch to the `$TIO_HOME/tools` directory.
 - b. Run the `./reinit.cmd $TIO_HOME/xml/tcm-dcm_2112.xml` command.
 - c. Optionally, check the log file `$TIO_HOME/logs/reinit.log` for any errors if unable to start the application.
8. Start the Tivoli Configuration Manager Automation Server:
 - a. Switch to the `$TIO_HOME/tools` directory.
 - b. To start the application, run the `./tio_start.cmd` command.
 - c. At the **User name** prompt, type `wasadmin` and press **Enter**.
 - d. At the **Password** prompt, if you have not changed the password for WebSphere Application Server, type the default password `wasadmin` and press **Enter**.
 - e. The window will display a message that Tivoli Configuration Manager Automation Server is ready to run.

Important

Do not close the window that informs you that the application is running. If you close the window, the Tivoli Configuration Manager Automation Server does not start.

- f. Optionally, check the log file `$TIO_HOME/logs/tpm_start.log` for any errors if unable to start the application.

Upgrading plug-ins

To upgrade plug-ins, you need to run the upgrade scripts.

Activity Planner

If you have installed 4.2.3-APM, 4.2.3-SWDSRV, and 4.2.3-INV run the following scripts located in the `$BINDIR/TME/APM/SCRIPTS` directory. You need the `APM_Admin` Tivoli region authorization role to run them in the following way:

- `sh reg_swd_plugin.sh -r`
- `sh reg_inv_plugin_patch.sh`
- `sh reg_tl_plugin.sh -r`

The first script enables the Activity Planner for Software Distribution, the second script enables the Activity Planner for Inventory, while the third script enables the Task Library.

If you are using 4.2.2-APM instead and want to upgrade to 4.2.3-APM, run the following Activity Planner scripts located in the \$BINDIR/TME/APM/SCRIPTS directory. You need the APM_Admin Tivoli region authorization role to run these scripts.

1. Run the upgr_swd_plugin.sh script to upgrade the Software Distribution plug-in.
2. Run the upgr_tl_plugin.sh script to upgrade the Task Library plug-in.

Change Manager

If you have installed both 4.2.3-CCM and 4.2.3-SWDSRV, run the following command to upgrade the CCM plug-in:

```
wccmplugin -s SoftwareDistribution -f $BINDIR/TME/CCM/GUI/swd_plugin.xml
```

You need the CCM_Admin Tivoli region authorization role to run it.

If the Activity Planner is up and running before launching this command, stop the Activity Planner using the wstopapm command.

If you are using 4.2.2-CCM instead and want to upgrade to 4.2.3-CCM, you need to run the following Change Manager script located in the \$BINDIR/TME/CCM/SCRIPTS directory:

```
upgr_swd_plugin.sh
```

You need the CCM_Admin Tivoli region authorization role to run this script.

Chapter 4. Documentation notes

This chapter contains new and updated information for IBM Tivoli Configuration Manager, Version 4.2.3

IBM Tivoli Configuration Manager Patch Management Guide

This section contains new and updated information for IBM Tivoli Configuration Patch Management Guide:

Feature 55260

In chapter 6 "Automated patch management command line", in the description of the **wseccfg** command, add the following parameter to the list under the **-s** option:

workflow_activities

Specifies whether workflows are completed in one step or are separated in several steps. Supported values are as follows:

sync Performs all operations in the workflows without creating software packages and plans.

preparation

Creates software packages and plans without performing any other operation.

all Performs all operations contained in the workflows. This is the default value.

Defect 53932

In chapter 6 "Automated patch management command line", in the description of the **wseccfg** command, add the following parameter to the list under the **-s** option:

catalog_proxy_enabled

Enables or disables proxy support. You can use an HTTP proxy to access the Microsoft Web site, or your local HTTP server where the **mssecure.cab** file has been downloaded. Proxy parameters are defined at installation time in the **tpm_update.req** file, as described in "Upgrading the Patch Management Automation Server driver" on page 37.

Defect 55470

In chapter 7 "Troubleshooting", section "Other common problems", add the following entry at the end of the section:

The activity plan fails on targets deleted from the Tivoli database

Deleting endpoints from the Tivoli database does not delete those endpoints from the configuration repository. This might cause the activity plan to fail on the deleted endpoints because targets for the workflow are defined based on the information in the configuration repository.

To prevent this problem, after deleting the endpoints using the **wdelep** command, run the **winvrnode** command to remove hardware and software scan information from the configuration repository. For more

information on these commands refer to *Tivoli Management Framework: Reference Manual* and *IBM Tivoli Configuration Manager: User's Guide for Inventory*.

IBM Tivoli Configuration Manager Reference Manual for Software Distribution

This section contains new and updated information for IBM Tivoli Configuration Reference Manual:

Feature 55186

In chapter "Editing the software package definition file", section "System actions", add the following text after the "check_disk_space" section:

logoff stanza

To perform a logoff operation on Windows endpoints, use the logoff stanza, the format of which is as follows:

```
logoff
  force = y/n      (default = n)
  force_if_locked = y/n  (default = n)
  during_install = y/n  (default = n)
  during_commit = y/n   (default = n)
  during_undo = y/n    (default = n)
  during_remove = y/n  (default = n)
end
```

Table 13. SPD file attribute of the logoff stanza

Attribute	Comments			
	Values	Required	Default	Stanza
force	The logoff operation is forced also if any applications are currently active on the workstation.			
	String expression	No	n	logoff
force_if_locked	The logoff operation is forced if the workstation is locked.			
	String expression	No	n	logoff
during_install	The logoff operation is performed during the during_install phase.			
	String expression	No	n	logoff
during_commit	The logoff operation is performed during the during_commit phase.			
	String expression	No	n	logoff
during_undo	The logoff operation is performed during the during_undo phase.			
	String expression	No	n	logoff
during_remove	The logoff operation is performed during the during_remove phase.			
	String expression	No	n	logoff

SPD File Example: logoff

The following section shows an example of software package definition file containing a logoff stanza:

```
'TIVOLI Software Package v4.2.3 – SPDF'

package
##
## Package attributes
##
  logoff
```

```
force = y
force_if_locked = n
during_install = n
during_commit = y
during_undo = n
during_remove = n
end
end
```

IBM Tivoli Configuration Manager Release Notes

This section contains new and updated information for IBM Tivoli Configuration Release Notes®:

APAR IY74095

In chapter 1 "About this release", section "Integration with IBM Tivoli Enterprise Data Warehouse", and in chapter 2 "Installation and upgrade notes", section "Application prerequisites", replace each occurrence of IBM DB2® Version 7.2 with IBM DB2 Version 8.2.1.

IBM Tivoli Configuration Manager User's Guide for Software Distribution

This section contains new and updated information for IBM Tivoli Configuration User's Guide for Software Distribution:

APAR IY73165

Remove the following sentence from chapter 11 "Configuring a Network Topology", section "Scenario 3: Distributing from a Source Host through Repeater Depots":

However, do not use depots for extremely large distributions

APAR IY73289

In chapter 15 "Troubleshooting", section "Hints and tips", add the following entry at the end of the list:

Error while generating a software package using Autopack

During the creation of the first Autopack snapshot, some system resources might be included in the snapshot. This might cause a failure when Autopack generates the software package. If the creation of the software package fails with one or both of the following error messages:

```
DISSP6018E Failed to build file_name
```

```
DISSE0282E Error compressing the file file_name in the
Software Package Block.
```

generate the software package again excluding the files listed in the error messages, as explained in "Creating the first snapshot" in chapter 8.

IBM Tivoli Configuration Manager Planning and Installation Guide

This section contains new and updated information for IBM Tivoli Configuration Planning and Installation Guide:

Defect 55431

In chapter 3 "Component installation prerequisites", section "Using the Web Gateway component with Tivoli Access Manager", subsection "Installing and Configuring the Java™ Runtime Environment", replace the existing example for Windows operating systems with the following example:

```
cd C:\Program Files\Tivoli\Policy Director\sbin pdjrtecfg -action \
config -host hostname -java_home drive:%WAS_HOME%\java\jre
-host /<access_manager_server_name>
```

and replace the command to be run on the Web Gateway server to create the SSL configuration file and keystores with the following example:

```
java com.tivoli.mts.SvrSslCfg userName Password pdmgrdHostname \
pdaclHostname pdmgrdPort pdaclPort configuration_file \
keystore_file create
```

IBM Tivoli Configuration Manager User's Guide for Inventory

This section contains new and updated information for IBM Tivoli Configuration User's Guide for Inventory:

Defect 179423

In Appendix B "Commands", replace the usage of the **wloadiso** command with the following usage:

wloadiso [-d { 1 | 2 | 3 }] -f *filename* | -l *listfilename* and replace the description of the -f *DAT file* option with the following two options:

-f *filename*

The name of the .DAT file to be sent to the configuration repository. You can specify more than one .DAT file.

-l *listfilename*

The name of a file containing a list of .DAT files.

APAR IY70039

In Appendix B "Commands", section **wcollect**, replace the description of the -n option with the following text:

-n Specifies the maximum number of entries that can be added to the data handler and Wan entry Point Collector input and output queue. Supported values range from 100 to 10 000 entries.

Software Package Editor online help

This section contains new information for the Software Package Editor online help:

Feature 55186

The following is the help panel for the Logoff Properties dialog box:

Use this dialog box to specify whether you want a logoff operation to be performed on Windows endpoints and to define the settings for the logoff operation. You can select one or more of the following options:

Logoff during install

The logoff operation is performed during the *during_install* phase.

Logoff during undo

The logoff operation is performed during the *during_undo* phase.

Logoff during remove

The logoff operation is performed during the *during_remove* phase.

Logoff during commit

The logoff operation is performed during the *during_commit* phase.

Force The logoff operation is forced also if any applications are currently active on the workstation.

Force if locked

The logoff operation is forced if the workstation is locked.

For more information on defining conditions, see the Conditions help panel.