

IBM Tivoli License Compliance Manager



Readme for Fix Pack 2.3.0-TIV-TLCM-FP0005

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Note

Before using this information and the product it supports, read the information in "Notices" on page 7.

This edition applies to fix pack 2.3.0-TIV-TLCM-FP0005 for version 2, release 3 of IBM Tivoli License Compliance Manager (program number 5724-D33).

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Readme for Fix Pack 2.3.0 - TIV-TLCM-FP0005

Fixes and known issues for Tivoli License Compliance Manager 2.3.0 Fix Pack 5 are addressed in this document.

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Description

This readme provides important information about fix pack 2.3.0-TIV-TLCM-FP0005 for IBM Tivoli License Compliance Manager, version 2.3. It contains the most current information for the fix pack and takes precedence over all other documentation.

Please review this readme thoroughly before installing or using the fix pack!

Note: To install the fix pack, you must be logged on as Administrator (on Windows) or root (on UNIX) to the computer where Tivoli License Compliance Manager is installed.

System requirements

For information about hardware and software compatibility, see "Planning a Tivoli License Compliance Manager Implementation" (Planning, Installation, and Configuration).

About this release

Tivoli License Compliance Manager, Fix Pack 5, has been enhanced by the following features and functions:

New aggregation rules

The feature changes the way high water mark is being calculated for daily license consumption. For each product installation, the maximum capacity value on a specific server for the duration of 24 hours is taken into consideration. Then, those maximum values from a number of nodes where the products are installed are added to calculate the total license PVU consumption (HWM) on a specific day. New aggregation rules will affect the following licenses:

- Install IPLA Full Capacity
- Install IPLA Sub-Capacity
- Install IPLA VU Full Capacity
- Install IPLA VU Sub-Capacity

Usage calculation is not affected by this feature.

x86 full capacity support

Capacity for x86 machines will not be considered in HWM calculations. If a product has a shared license and is installed on both x86 machine and other machine, sub capacity for x86 machine will not be calculated. It applies to the following licenses:

- Install IPLA Sub-Capacity
- Install IPLA VU Sub-Capacity

Code re-factoring for better performance during report generation

Memory usage has been optimized which makes generating reports for installations with a large number of agents possible.

Hwscan in partially integrated environment

Hardware scan can now be activated in Tivoli License Compliance Manager environments integrated in Tivoli Configuration Manager but it can be run only on agents that are not integrated, that is, agents that are connected with the Administration Server by the Runtime Server.

Specific LDAP configuration

A new parameter **referral** has been added to the JAAS login module proxy for the administration server. For more information, see "Security Management" in Tivoli License Compliance information center <http://publib.boulder.ibm.com/infocenter/tivihelp/v3r1/index.jsp?topic=/com.ibm.itlm.doc/security/tlmsmmst54.htm>.

Changes in GUI for showing more relevant processor information

Processors that were discovered but not included in the official Value Unit table were described as "OTHER OTHER" in GUI. It has been fixed so that now information returned by the agent is shown in such cases.

New option for configuring report generation

A new flag **partialStreamingEnabled** that reduces memory usage during report generation has been added to the system.properties file. For more details on this parameter, refer to "Planning, Installation and Configuration" in Tivoli License Compliance information center http://publib.boulder.ibm.com/infocenter/tivihelp/v3r1/topic/com.ibm.license.mgmt.planinconf.doc_2.3/tlminmst109.htm

Agent platforms

Support is introduced for Windows 2008

Supported environments for J2EE monitoring

The fix pack extends monitoring of J2EE application on all supported agent platforms to J2EE applications running in the following containers:

- WebSphere Application Server, version 7.0

Upgraded Java Runtime Environment version in agent installer

The version of Java Runtime Environment was upgraded to 1.5.

Installing the fix pack

This section contains the instructions for installing the fix pack. Once you have installed the fix pack, you cannot uninstall it automatically. For details of how to revert to the previous version, see "Uninstalling fix pack" (Planning, Installation, and Configuration).

The fix pack includes the following files:

2.3.0-TIV-TLCM-FP0005-servers-<platform>.zip

For each supported platform, the compressed file contains the files for installing the interim fix on computers where an administration server, a runtime server, or an administration server database or runtime server database is installed.

2.3.0-TIV-TLCM-FP0005-SPB.zip

This file contains the software package blocks for each supported agent platform, to be used when deploying agents using IBM® Tivoli® Configuration Manager.

2.3.0-TIV-TLCM-FP0005-agent-gateway.zip

This file contains the software packages for each supported agent platform in PKT format

2.3.0-TIV-TLCM-FP0005-RSH-SSH-<platform>.zip

This contains the files needed to deploy agents on UNIX® platforms using the RSH/SSH deployment wizard.

2.3.0-TIV-TLCM-FP0005-ManualDeploy-<platform>.zip

This contains the files needed to install agents using a local wizard.

2.3.0-TIV-TLCM-FP0005-SPB-TOOLS.zip

This contains the SPBs for agent configuration update.

The fix pack must be applied to all server and database components and agents of Tivoli License Compliance Manager.

Note:

1. Before starting the installation, back up the administration and runtime server databases and the installation directories of administration server and runtime servers.
2. During the installation of the fix pack on the administration server or a runtime server, the wizard stops and starts the server. If the server is running in a WebSphere Application Server secure cell, you will be asked to provide the user ID and password for the secure cell. Ensure that you have this information before you start.

To install the fix pack, complete the following steps on each computer where a component is installed:

1. Log on to the computer where one or more of the Tivoli License Compliance Manager components is installed as Administrator (Windows) or root (UNIX).
2. Unpack the server's compressed file into a temporary directory.
3. Launch the setup file for the platform on which you are installing the fix pack. The installation wizard starts.

Note: No license agreement panel is displayed. The fix pack is subject to the same terms and conditions under which Tivoli License Compliance Manager is licensed.

4. Specify a directory where the wizard can create a backup of your server configuration and other files that are affected by the fix pack and click **Next**.

If the wizard is unable to create the backup, the installation cannot continue. Ensure that you have the correct permissions to write to the specified directory and that there is sufficient space to create the backup.

Note: The wizard calculates the space required to create the backup based on the initial size of a server when it is installed. Under normal circumstances, the space occupied by the server directories should not increase very much. However, if other directories, for example directories required for manual agent deployment, have been created within the server file structure, the space required for the backup could be considerably more than anticipated. Under these circumstances, it is possible that the installation could fail because of lack of space. If this occurs, a message will be displayed informing you that the installation has failed, possibly because of insufficient permissions. You must then make more space available for the installation.

5. Check the summary panel for the installation and click **Next** to confirm that you want to install the fix pack.

If you are applying the fix pack to a server that is running in a WebSphere Application Server secure cell, you will be prompted to supply a valid user ID and password when the wizard stops and starts the runtime server.

6. When the installation is complete, click **Finish**.

Upgrading agents

To apply the fixes to agents that are already deployed, you must redeploy or update the agent. For information about how to redeploy an agent, see the section "Redeploying an agent" in Planning, Installation, and Configuration.

For information about updating agents to this fix pack level when they are connected to a runtime server where the fix pack has been applied, see "Configuring a periodic agent self-update" in Planning, Installation, and Configuration.

Agents are supported only when they are registered to a runtime server with the same, or a higher, Tivoli Compliance Manager maintenance level.

Reverting to the previous version

There is no automatic method for uninstalling this fix pack.

You must rollback the changes on each computer where the fix pack has been installed, as follows:

1. Stop the server.
2. Manually replace the files that were changed by the installation of the fix with the backup copies taken during the installation.

The backup directory specified during the installation of this fix pack contains a subdirectory 2.3.0.4-TIV-TLCM-IF0005 which contains a subset file structure for the Tivoli License Compliance Manager components to which this fix pack has been applied. You must copy the files manually from each subdirectory of the backup to the corresponding directory of the server installation.

3. If this is the first fix applied to the GA version of the code, delete the file `<INSTALL_DIR>\product.xml`.

If previous fixes have been applied, the product.xml file is one of the files that you have restored from the backup directory.

4. Restart the server.

Product Fixes

Fix packs are cumulative, so this fix pack includes features and fixes included in the previous fix packs and in interim fixes for Tivoli License Manager, version 2.3. This subsection provides a summary of the functionality and fixes that have been added to fix pack 2.3.0. TIV-TLCM FP0005. It aims to help users who have installed the previous fix pack, 2.3.0 TIV-TLCM FP0004 to understand what changes they can expect from this fix pack.

The following issues were fixed in this fix pack:

- **IZ33240 - AGENT WEBDEPLOY FAILS WITH KOREAN WINDOWS LOGIN NAME**

When installing agent using login with Korean characters, it failed. The fix solves the problem by changing the TEMP directory to avoid using the path with Korean characters.

- **IZ33427 - FAILING AUDITS DUE TO WORLD WRITEABLE ACCESS TO TLCM FILES**

All users in the system had write permissions to agent files. This fix solves the problem by limiting the number of users who have been granted write permission to the agent files.

- **IZ30699 - AIX DOES NOT HAVE A PATH IN THE TLCM UNKNOWN FILES TABLE (ADM.UNKNOWN)**

The TLCM unknown files table did not contain any information about the path where the unknown file was located on AIX. This fix solves the problem.

- **IZ31054 - WARNING MESSAGES WHEN IMPORT AN OLDER OR EQUAL VERSION OF THE CATALOG**

The problem happened when importing the signature catalog that was older than or equal to the version of catalog previously imported by an integrated agent. This fix solves the problem by removing the warning message in the case when the imported catalog version is equal to the existing one.

- **IZ31866 - DB2 PRODUCT MAPPING INCORRECT FOR TLM**

Complex mappings could not be deleted from the Web UI. The cause of the error was that the default query size was too big. The problem was solved by increasing the default query list size parameter.

- **IZ34902 - HWSCAN DOESN'T WORK AFTER FP4**

After installing TLCM 2.3, Fix Pack 4, the hwscan command did not work because administration server could not parse the xml file and scan results were not recorded. This fix solves the problem.

- **IZ34161 - ERROR WAS IDENTIFIED IN THE IF4 AND FP4 UNINSTALLATION PROCEDURE**

An error was identified in agent package in both Interim Fix 4 and Fix Pack 4. The agent_unins.sh file was corrupt. This problem was solved in this release.

- **IZ21894 - VERSION NUMBER MISSING FROM PRODUCT REPORTS**

After exporting the Product Use Report, the discrete versions of each product were not shown. This fix solves the problem.

- **IZ23673 - TLMAGENT FAILS DURING SOFTWARE SCAN**

Tlmagent command failed during software scan while parsing the software scan results when there were some specific products detected on the scanned machine. The problem was caused by catalog files that contained broken

signature or component relations for specific products. This fix solves the problem by allowing only signatures having reference to a component present in the file to appear in the file.

- **IZ23410 - WHEN RUNNING THE "EXPORT IBM USE" REPORT IT FAILS**

Exporting IBM use report failed when the size of the report was too large. This happened because the report could not be fit into a field in the database used as storage. This problem was solved by extending the field size.

- **IZ23898 - TLMAGENT CORES AFTER INSTALL DURING SW SCAN AND IMMEDIATELY AFTER RESTART**

Tlmagent failed after installation, during software scan and immediately after restart. This happened during process list scan when there was a process started by a user who was then deleted from the system without stopping that process. The problem affected Linux and Solaris machines. This fix solves the problem.

- **IZ35419 - PROBLEM WITH AGENT SCANNING TIME IN GMT**

The agent was handling timezones incorrectly. This fix solves the problem.

- **IZ29540 - ADM.METRIC DESCRIPTION NOT CLEAR**

Data dictionary was updated with additional details added to MEASURE and METRIC tables description.

- **IZ34332 - TIMEOUT VALUES DEFINING CONNECTION PROPERTIES UNDER JDBC PROVIDER EXTENDED**

The information center was updated with details on how to configure connection properties for the JDBC provider.

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Program Number:

GI11-8760-00

