

IBM Tivoli Asset Discovery for Distributed

*Readme file for Fix Pack
7.2.2-TIV-TAD4D-FP0002*

IBM

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Note

This edition applies to IBM Tivoli Asset Discovery for Distributed (program number 5724T4D00) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Readme file

Known issues for IBM® Tivoli® Asset Discovery for Distributed 7.2.2 Fix Pack 2 are addressed in this document.

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Description

This readme provides important information about the 7.2.2-TIV-TAD4D-FP0002 Fix Pack for Tivoli Asset Discovery for Distributed version 7.2.2. 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!

The Tivoli Asset Discovery for Distributed 7.2.2.2 information center can be found at the following address: <http://publib.boulder.ibm.com/infocenter/tamit/v7r2m2/index.jsp>.

Summary of changes

The list summarizes the changes introduced by the Fix Pack:

- New functionality in the Shared File Systems panel. You can decide now whether you want the agents to scan a given shared file system by excluding this system from or including it in scanning. *Overscanned* and *underscanned* shared file systems do not require any further optimization once excluded.
- When upgrading AIX agents to Tivoli Asset Discovery for Distributed 7.2.2 Fix Pack 2, it is now possible to specify a custom installation path in both the relocation and non-relocation mode. For more information, see http://publib.boulder.ibm.com/infocenter/tamit/v7r2m2/topic/com.ibm.license.mgmt.planinconf.doc/t_deploying_agents_aix_plusnim.html.
- The Common Inventory Technology component updated to version 2.7.0.2004.

For more information, see http://www-947.ibm.com/support/entry/portal/Overview/Software/Tivoli/Tivoli_Asset_Management_for_IT

APARs fixed

The following table lists the APARs that are fixed in the Fix Pack:

APAR	Abstract	Description
IV21762	INCORRECT MATCHING OF QPI PROCESSORS ON ESX SERVER. LACK OF INFORMATION IN ILMT 7.2.2.2 README FILE.	The 'Intel Xeon; 2S 8 X7560' processor was being matched to 'Intel Xeon 8 null' entry in ILMT causing default PVU value usage and incorrect calculations
IV06494	THE LMT AGENT CAPTURES CIT ERRORS/WARNINGS AND OUTPUTS THEM TO SW/HW SCAN RESULTS	The agent captures Common Inventory Technology errors or warnings, and outputs them to the Common Inventory Technology scan results. Because of that, the tlm_local_sw_output.gz file gets corrupted.
IV03512	SILENT AGENT INSTALLER ON WINDOWS DISPLAYING A PROMPT	When upgrading a Windows agent from version 7.2.2 to 7.2.2.1 in silent mode, the installer displays a confirmation message that cannot be suppressed.
IV12371	ILMT AGENT KEEPS SPAWNING INSTANCES OF ITSELF	The tlmagent.bin process multiplies tlmagent.bin subprocesses on startup.
IV05802	self update with cert fails on windows	The self-update process, which involves replacing the certificate, fails on Windows when the installer cannot modify the working directory.
IV10855	AGENT INSTALL FAILS ON WPAR	The agent installation on AIX® WPAR fails due to the malformed log.properties file.
IV11880	THE FFDC BEHAVIOUR IS DIFFERENT ON AIX (SINCE 7.2.2)	FFDC resources are being captured every time an agent stops.
IV11067	LMT INCORRECTLY IDENTIFIES SERVICES DEFINED IN FAILOVER CLUSTER	The server recognizes services defined in Failover Cluster Manager as belonging to another cluster. Because of that, the host seems to belong to multiple clusters.
IV04363	TEST CONNECTION FOR HYPER-V SERVER FAILS	Test connection for the Hyper-V server fails when you use a non-English version of this VM manager.

APAR	Abstract	Description
IV08405	NO INSTANCES OF THE SELECTED PRODUCTS	The query used for retrieving instances of unconfirmed products uses wrong data source, which results in inaccurate reporting.
IV08406	Filters on some panels in UI don't work as expected	The "Does Not Contain" filter condition is not operable in the Classify Product Instance panel.
IV03461	THE VIEW ADM.DIVISION_FULL_V SHOULD GRANTED SELECT ACCESS	The Current Capacity panels fail to open with the C0DBB2001E error code.
IV03203	Problems with Late Data (standalone scanners) recalculatlon	Late data aggregation does not correctly handle the data reported by stand-alone scanners.
IV09506	INCOMPLETE HW SCAN OUTPUT	A corrupted capacity scan output blocks data upload even when successive capacity scans return correct data.
IV09505	AUDIT REPORT EMAIL NOTIFICATIONS	The audit report e-mail notifications contain a wrong reporting period.
IV11951	UNABLE TO DROP TABLE ADM.TEMP_PVU_PROD_INV ERROR CAUSING	Access to the ADM.TEMP_PVU_PROD_INV table is not correctly synchronized.
IV03516	EXCLUSIONS NOT PASSED TO REMOTE SCAN CONFIG	Software scan directory exclusions are only used by local scans, while remote scans are not aware of these exclusions.
IV07142	CALLING 'TLMAGENT -RESETCACHE' PRODUCES ERROR ON AIX PLATFORM	The resetcache command creates an error message in the system log on the AIX platform.
IV08769	LMT DEADLOCK TIMEOUT - HAVING DATABASE USAGE AT 100%	A background task of the server that periodically polls VM managers deadlocks with a task of removing the outdated data.
IV10509	CANNOT INSTALL LMT/TAD4D AGENT ON PLATFORM HAVING VMWARE TOOLS	Agent installation fails on VM guest partitions with VMWare Tools version 8.3.7.3827 or higher.
IV11210	LMT AGENT FAILS TO UPDATE BECAUSE OUT-OF-SPACE CONDITION OCCURED	No disk space check is performed during the agent self-update. The upgrade process fails leaving the previous version of the agent unaltered, but with the tlmagent process stopped.

APAR	Abstract	Description
IV12928	UNMAE FAILS ON HP 11.31 WITH HOSTNAME LONGER THAN 8 CHARS	The unmae() call on HPUX 11.31 fails if the host name is longer than 8 characters.
IV08560	CERT NOT SENT TO AGENT IF NO DEFAULT CERT IN KEY.KDB	A new certificate is not transferred to an agent during the self-update if the agent does not have a certificate with a default name in its local keystore. With this fix, a certificate is always transferred to the agent regardless of its name. The fix is disabled by default. To enable it, run the following SQL command against the TLMA database: UPDATE LIC.CONTROL_VALUES SET CONTROL_VALUE = 'true' WHERE CONTROL_KEY = 'forceCertOnSelfUpdate'.
IV01065	AGENTS ARE PERFORMING A SELF-UPDATE EVEN if disabled	An agent performs the self-update when the SSL communication is enabled, even though the self-update is disabled on the server.
IV08065	AIX AGENT RELOCATING TO /OPT AND /VAR	Fix Pack 1 for the 7.2.2 version includes the agent installer for the AIX operating system that supports the fileset relocation mechanism. As a consequence, when upgrading an older release of the AIX agent to 7.2.2 Fix Pack 1, agent files are moved to /opt/itlm and /var/itlm directories, regardless of the initial installation path. Fix Pack 2 adjusts the installer behavior to allow for custom installation path in both relocation and non-relocation modes.
IV08692	logrotation for CLI message log taking default properties	The cli.maxFiles and cli.maxFileBytes parameters in log.properties are ignored by the server command-line interface.
IV10034	7.2.2.12 AGGREGATION CODE IS USING SOME DB2 9.7 SPECIFIC CLAUSE	The aggregation code shipped with Interim Fix 2 for the 7.2.2 version introduces a dependency on DB2® 9.7, causing the aggregation process to fail on a DB2 versions earlier than 9.7.

APAR	Abstract	Description
IV12370	AGGREGATION COMPONENT USING INFORMATION SENT BY CUSTOMER	Some specific records in the ADM.PROD_INV table are not processed correctly, causing the aggregation process to fail.
IV03617	STANDALONE SCRIPTS IN 7.2.2.1 COME WITH CIT 2.7.0.0001	The stand-alone scan scripts package generated by the server contains an old version of Common Inventory Technology.
IV09431	EXCESSIVE TLMAGENTS WERE PURGED	Multiple tlmagent processes might be started on AIX when the system resource controller registry is corrupted. With this fix, excessive processes are removed when you upgrade the agent to a higher version.
IV07118	GERMAN AND ENGLISH VERSIONS OF THE SUPPORTED WINDOWS SYSTEMS LIST DIFFER IN 7.2.2 DOCUMENTATION	The differences between the two language versions of the information center come from the fact that after the product release date, only the English information center is updated. The national languages information centers are not translated after the release date. To view the most up-to-date list of supported Windows operating systems for agents, see Supported operating systems.
IV10509	CANNOT INSTALL LMT/TAD4D AGENT ON PLATFORM HAVING VMWARE TOOLS	The agent installation fails on VM guest partitions with VMWare Tools 8.3.7.3827 or higher.
IV13948	PROBLEMS WITH INVENTORY BUILDER - ADM.LINK	Duplicate records are inserted into the ADM.LINK table.
IV14483	TLMAGENT.BIN CATCHING BUT IMPROPERLY HANDLING SIGNAL 58	Fixed reconfiguration signal handling on the AIX operating system.
IV15700	DATA TOO LONG TO FIT INTO FIELD OF TLMA DATABASE TABLE	Software scan results upload fails if the native registry signature with a name longer than 64 characters is detected.

APAR	Abstract	Description
IV09747	LASTMODIFICATION DATE USED BY CATALOG IMPORT	The synchronization of the software catalog version between Tivoli Asset Discovery for Distributed and Software Knowledge Base Toolkit uses a wrong catalog attribute, which may result in an unsuccessful catalog import.
IV08565	SWCAT.VENDOR COLLISION ON NON-IBM CATALOG IMPORT	A duplicate key exception on SWCAT.VENDOR when importing a custom software catalog on top of the catalog provided by IBM.

System requirements

For more information about hardware and software compatibility, see the Installing section of the information center.

Installing the Fix Pack

Read the following instructions to learn how to install the Fix Pack. Once you install the Fix Pack, you cannot uninstall it automatically. For details of how to revert to the previous version, see Reverting to the previous version.

The Fix Pack includes the following files:

The package for the server deployment on the base version of WebSphere Application Server:

- 7.2.2-TIV-TAD4D-FP0002-server-WAS-manual-deployment.zip

The packages for the server deployment on embedded WebSphere Application Server:

- 7.2.2-TIV-TAD4D-FP0002-server-aix-ppc64.zip
- 7.2.2-TIV-TAD4D-FP0002-server-hpux-parisc.zip
- 7.2.2-TIV-TAD4D-FP0002-server-linux-ppc64.zip
- 7.2.2-TIV-TAD4D-FP0002-server-linux-s390_64.zip
- 7.2.2-TIV-TAD4D-FP0002-server-linux-x86_32.zip
- 7.2.2-TIV-TAD4D-FP0002-server-linux-x86_64.zip
- 7.2.2-TIV-TAD4D-FP0002-server-solaris-sparc64.zip
- 7.2.2-TIV-TAD4D-FP0002-server-windows-x86_32.zip
- 7.2.2-TIV-TAD4D-FP0002-server-windows-x86_64.zip

Binary agent installers:

- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-aix-ppc.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-hpux.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-linux-ppc.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-linux-s390.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-linux-x86.bin

- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-solaris-sparc32.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-solaris-sparc64.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-solaris-x86_64.bin
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-multi_unix.bin

Native agent installers:

- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-aix-ppc.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-hpux.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-iso.zip
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-linux-ppc.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-linux-s390.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-linux-x86.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-solaris-sparc32.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-solaris-sparc64.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-solaris-x86_64.tar.gz
- 7.2.2-TIV-ILMT-TAD4D-FP0002-agent-windows-x86.zip

SPB based agent installers:

- 7.2.2-TIV-ILMT-TAD4D-FP0002-SPB.zip

UPGRADING THE SERVER

The Fix Pack must be applied to the Tivoli Asset Discovery for Distributed server and to the database components. It is not possible to install the administration server or database using the Fix Pack installation file only. In case the administration server is installed on a different node than the database, the Fix Pack has to be applied to the database component before applying it to the server component. For information about installing the server, see *Installing the server* in the information center.

• Running the installer in silent mode

The installResponse.txt response file is shipped with the installation script. It contains the values for options that let the Tivoli Asset Discovery for Distributed installation setup file to be run from the command-line interface. A common use of the response file is to run the wizard in silent mode. This allows you to specify the wizard settings without having to run the wizard in the graphical mode.

The response file is required only if the server component alone or the server with its database is to be patched. Patching only the database component does not require the response file.

To use the response file in silent mode, run the wizard with the following command-line interface arguments:

```
(UNIX) 7.2.2-TIV-TAD4D-FP0002-<PLATFORM_NAME>.sh -f
```

```
"<FULL_PATH_TO_RESPONSE_FILE>" -i silent
```

```
(WINDOWS) start /wait 7.2.2-TIV-TAD4D-FP0002-<PLATFORM_NAME>.bat -f
```

```
"<FULL_PATH_TO_RESPONSE_FILE>" -i silent
```

• Upgrading the server on embedded WebSphere Application Server

Important:

1. Back up the administration server database before applying the Fix Pack.

2. Before you apply the Fix Pack, make sure there is enough space available in the directory where the Tivoli Asset Discovery for Distributed server is installed. The Fix Pack requires the additional amount of 350 MB during the installation.
3. The following sections require that you must be an Administrator to run the installer on Windows platforms. If the installer is to upgrade the database component, make sure that the Administrator account is a member of the DB2ADMNS group.

Note: During the installation of the fix on the administration server, the wizard stops and starts the server. If the server is running in a WebSphere Application Server secure cell, you are 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 on embedded WebSphere Application Server with both the Tivoli Asset Discovery for Distributed server and database components installed on a single computer, complete the following steps:**

1. Log on to the computer where the Tivoli Asset Discovery for Distributed server is installed as Administrator (Windows) or root (UNIX®).
2. Unpack the Fix Pack compressed file into a temporary directory. The file to be used has the following naming convention: 7.2.2-TIV-TAD4D-FP0002-server-<PLATFORM_NAME>.zip.
3. Launch the setup file for the platform on which you are installing the Fix Pack. The setup file is a script with the following naming convention: 7.2.2-TIV-TAD4D-FP0002-<PLATFORM_NAME>. [bat | sh].

The installation script starts.

Note: No license agreement panel is displayed. The Fix Pack is subject to the same terms and conditions under which Tivoli Asset Discovery for Distributed 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 space required for backup may vary, depending on the platform on which the administration server is installed, but typically backup requires 350 MB of disk space.

5. The installer patches your product to Fix Pack 2 level. This is a fully automated step.
6. When the installation is complete and you get the confirmation message, click **Next** to exit the wizard.

Important: If the installer shows an error message about the failure to install the Fix Pack, perform the following steps:

- a. Analyze the error message.
- b. Click **Next** to rollback the changes that were made by the installer.
- c. Fix the problem that caused the failure.
- d. Run the installer again.

- **To install the Fix Pack on embedded WebSphere Application Server with the Tivoli Asset Discovery for Distributed server and database components installed on separate computers, complete the following steps:**

1. Stop the Tivoli Asset Discovery for Distributed server.
2. Log on to the computer where the Tivoli Asset Discovery for Distributed database is installed as Administrator (Windows) or root (UNIX).
3. Unpack the Fix Pack compressed file into a temporary directory. The file to be used has the following naming convention: 7.2.2-TIV-TAD4D-FP0002-server-<PLATFORM_NAME>.zip.
4. Launch the setup file for the platform on which you are installing the Fix Pack. The setup file is a script with the following naming convention: 7.2.2-TIV-TAD4D-FP0002-<PLATFORM_NAME>.[bat|sh].

The installation script starts.

Note: No license agreement panel is displayed. The Fix Pack is subject to the same terms and conditions under which Tivoli Asset Discovery for Distributed is licensed.

5. The installer patches your database component to Fix Pack 2 level. This is a fully automated step.
6. When the installation is complete and you get the confirmation message, click **Next** to exit the wizard.
7. Log on to the computer where Tivoli Asset Discovery for Distributed server is installed as Administrator (Windows) or root (UNIX).
8. Unpack the Fix Pack compressed file into a temporary directory. The file to be used has the following naming convention: 7.2.2-TIV-TAD4D-FP0002-server<PLATFORM>.zip.
9. Launch the setup file for the platform on which you are installing the Fix Pack. The setup file is a script with the following naming convention: 7.2.2-TIV-TAD4D-FP0002-<PLATFORM_NAME>.[bat|sh].

The installation script starts.

Note: No license agreement panel is displayed. The Fix Pack is subject to the same terms and conditions under which Tivoli Asset Discovery for Distributed is licensed.

10. 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 space required for backup may vary, depending on the platform on which the administration server is installed, but typically backup requires 350 MB of disk space.

11. The installer patches your server component to Fix Pack 2 level. This is a fully automated step.
12. When the installation is complete and you get the confirmation message, click **Next** to exit the wizard.
13. Open the server Web UI, and browse to the **About** page to verify that the reported product version is 7.2.2.2.

Important: If the installer shows an error message about the failure to install the Fix Pack, perform the following steps:

- a. Analyze the error message.
 - b. Click **Next** to rollback the changes that were made by the installer.
 - c. Fix the problem that caused the failure.
 - d. Run the installer again.
- **Upgrading the server on the base version of WebSphere Application Server**
 - **To apply this Fix Pack to Tivoli Asset Discovery for Distributed installed on the base version of WebSphere Application Server, perform the following steps:**
 1. Stop the Tivoli Asset Discovery for Distributed server.
 2. Log on to the computer where the Tivoli Asset Discovery for Distributed database component is installed as Administrator (Windows) or root (UNIX).
 3. Unpack the Fix Pack compressed file into a temporary directory. The file to be used has the following naming convention: 7.2.2-TIV-TAD4D-FP0002-server-<PLATFORM_NAME>.zip.
 4. Launch the setup file for the platform on which you are installing the Fix Pack. The setup file is a script with the following naming convention: 7.2.2-TIV-TAD4D-FP0002-<PLATFORM_NAME>.[bat|sh].
The installation script starts.

Note: No license agreement panel is displayed. The Fix Pack is subject to the same terms and conditions under which Tivoli Asset Discovery for Distributed is licensed.

5. The installer patches your database component to Fix Pack 2 level. This is a fully automated step.

Important: If the installer shows an error message about the failure to install the Fix Pack, perform the following steps:

- a. Analyze the error message.
 - b. Click **Next** to rollback the changes that were made by the installer.
 - c. Fix the problem that caused the failure.
 - d. Resume the installation process by running the installer again.
6. Log on to the computer where the Tivoli Asset Discovery for Distributed server component is installed as Administrator (Windows) or root (UNIX).
 7. Locate and backup the following directories:
 - *WebSphere_installation_path/profiles/profile_name/installedApps/cell_name/LMT-TAD4D_Agent_message_handler.ear/com.ibm.license.mgmt.msghandler.web.war*
 - *WebSphere_installation_path/systemApps/isclite.ear/tad4d_admin.war*
 - the `cli` directory created in the user-specified location during the product installation
 8. Overwrite the files above with the ones in 7.2.2-TIV-TAD4D-FP0002-server-WAS-manual-deployment.zip archive.
 9. Edit the `cli/lmtcli.[sh|bat]` file and assign the actual values to the following attributes: `WAS_HOME`, `ADMIN_WAR_NAME`. You can use for your reference the backup of the file that was done in step 7.
 10. Start the Tivoli Asset Discovery for Distributed server.

11. Open the server Web UI, and browse to the **About** page to verify that the reported product version is 7.2.2.2.
- **Upgrading agents - perform this step if you have encountered any of the agent problems listed in the table with APARs**
 - For more information, see the Upgrading agents section in the information center.

Reverting to the previous version

There is no automatic method for uninstalling this Fix Pack. You must roll back the changes on each computer with the installed Fix Pack.

To uninstall the Fix Pack from the administration server:

1. Stop the server.
2. Restore the files that were backed up before applying the Fix Pack.
3. Restart the server.

To uninstall the Fix Pack from an agent:

- Uninstall the agent.
- Install the previous version of the agent.

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