IBM Tivoli Configuration Manager for Automated Teller Machines

Readme File for Interim Fix 2.1-CMA-IF0001

Version 2.1

Note
Before using this information and the product it supports, read the information in "Notices" on page 11.

This edition applies to interim fix 2.1-CMA-IF0001 for version 2, release 1, modification level 0 of IBM Tivoli Configuration Manager for Automated Teller Machines (program number 5724-E50)

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IBM Tivoli Configuration Manager for Automated Teller Machines, 2.1 ReadMe File for Interim Fix 2.1-CMA-IF0001

This readme file provides important information about Interim Fix 2.1-CMA-IF0001 for IBM® Tivoli® Configuration Manager for Automated Teller Machines Version 2.1. This readme file is the most current information for the interim fix and takes precedence over all other documentation for IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1.

Please review this section thoroughly before installing or using this interim fix.

About this interim fix

This section includes the following topics:

Enhancement in previous fix packs

The following enhancement has been introduced in previous fix packs:

Support required for automated teller machines running XFS 3.0 - Feature MR0412057114

Tivoli Configuration Manager for Automated Teller Machines has been upgraded to support XFS 3.0.2 and 3.0.3.

Product compatibility

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

IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 interim fix 2.1-CMA-IF0001 was tested using:

- Tivoli Management Framework, Version 4.1.1 plus the following interim fixes:
  - 4.1.1-LCF-0056 to be installed on the Tivoli gateways.
  - 4.1.1-TMF-100 to be installed on the managed nodes with JRIM and JCF components installed.
  - 4.1.1-TMF-104 to be installed on Tivoli servers, managed nodes, and gateways.
- Tivoli Configuration Manager, Version 4.2.3 Fix Pack 8.

Limitations

Before distributing the ATM_InventoryScan profile to scan the automated teller machines, the user must be logged on to the automated teller machines.

Fixed defects

Table 1 lists the defects and APARs that were fixed for this interim fix.

Table 1. Fixed defects and APARs

Configuration Manager for Automated Teller Machines, Version 2.1, interim fix 2.1-CMA-IF0001				
63232	IZ42463	IZ43275	IZ43806	

Defect 63232

Abstract:
Implementation of enhancement MR0306093643 frm_version serial_number

Error Description:
The Configuration Manager for Automated Teller Machines scan needs to collect the firmware version and installation date for the following devices:

- Card readers
- Receipt printers
- Dispensers
- Deposits
- Passbooks

and the firmware serial number for the PIN PAD device. In case multiple versions of firmware are found, the most recent is collected.

Additional Information:
The mentioned information is available only if you have installed the XFS 3.0x product layer on the Automated Teller Machine workstation, where the scan occurs, and if you are using the vendor Wincor Nixdorf International GmbH.

APAR IZ42463

Abstract:
Issues with XFS when scanning a Wincore system

Error Description:
When scanning an Automated Teller Machines Wincore system using Configuration Manager for Automated Teller Machines, Version 2.1 FP21, a problem occurs with the XFS device information stored under the following directory:

```
KKEY_USERS\.DEFAULT\XFS\logical_services
```

Additional Information:
To enable the fix provided, create the dummy file `IGNORE_HKEY_CLASSES_ROOT` under the same directory where the binary `sstntxfsscan.exe <lcf_root>\inv\SCAN` is located.

APAR IZ43275

Abstract:
`SSTNTXFS.MIF` partially written causes a MIF parse failure

Error Description:
The partially written `sstntxfs.mif` file causes a MIF parse error failure, when Inventory attempts to read the file.

APAR IZ43806

Abstract:

Need to disable interrupt filtering to allow Dr. Watson during a CM for ATM scan

Error Description:

The current Configuration Manager for Automated Teller Machines application does not open Dr. Watson when there is an error because all interrupts are filtered. A fix is needed to disable interrupt filtering and to open Dr. Watson when an error occurs.

Additional Information:

To enable the fix provided, create the dummy file `DISABLE_SIGNAL_CAPTURE` under the same directory where the binary `sstntxfsscan.exe <lcf_root>\inv\SCAN` is located.

Installation

This section describes how to upgrade IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 to interim fix 2.1-CMA-IF0001. When you have installed the interim fix, you cannot uninstall it automatically. Ensure that you perform a complete backup of your system before installing this interim fix.

This section includes the following topics:

Prerequisites

Before installing the IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 interim fix 2.1-CMA-IF0001 ensure you install IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 Fix Pack 1.

Supported platforms

Supported platforms at the time of the release are detailed in the *IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 Release Notes*.

To establish what platforms and databases are supported by IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 Interim Fix 2.1-CMA-IF0001, see the *IBM Tivoli Configuration Manager: Release Notes* related to the level of IBM Tivoli Configuration Manager 4.2.3 you are using together with the *IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 Release Notes*.

For the most recent information, you can also consult the supported platforms matrix on the IBM software support Web site: http://www-304.ibm.com/jct03001c/software/sysmgmt/products/support/Tivoli_Supported_Platforms.html.

IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 Interim Fix 2.1-CMA-IF0001 was tested on Windows® XP Automated Teller machines.

Traditional interim fix installation methods

You can install the interim fix for IBM Tivoli Configuration Manager for Automated Teller Machines using any of the following installation methods:

- "Installing interim fixes using the Tivoli desktop"

  A graphical user interface that you use to select the interim fix components to install and the target workstations on which to install them.

- "Installing interim fixes using the CLI"

  Tivoli Management Framework command that you use to specify the interim fix components to install and the target workstations on which to install them from the command line interface.

- "Installing interim fixes using SIS" on page 5

  The SIS console or SIS commands you use to specify the interim fix components to install and on which target workstations to install them.

Installing interim fixes using the Tivoli desktop

The basic procedure for using the Tivoli desktop to upgrade a product is as follows:

1. From the Tivoli desktop, select **Install**-> **Install Patch**.
2. Select the media and component to be upgraded or added.
3. Select the workstations on which the component is to be upgraded or added.
4. Click **Install**.

Installing interim fixes using the CLI

Use the **wpatch** command to install updates to existing components.

wpatch command: When upgrading existing components using the **wpatch** command, specify the name of the index file using the file shown in Table 2. When using the **wpatch** command to upgrade a product, you specify the following information on the command line:

- The location of the image on the installation media.
- The name of the index file associated with the product to be upgraded.
- The workstations on which the image is to be installed.

Example:

```
wpatch -c CD-ROM/images -i index_file managed_node
```

where:

-c *CD-ROM*/**images**
: Specifies the path to the images on the IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1 Interim Fix 2.1-CMA-IF0001.

-i *index_file*
: Specifies the product installation index file to which the interim fix is installed.

managed_node
: Specifies the Tivoli server on which the interim fix is installed.

If you do not specify a workstation when running the **wpatch** command, the image is installed on all managed nodes in the Tivoli region where 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 the index file for this interim fix.

Table 2. Index file included in this interim fix

Index file	Product name	Tag
21CMAF1P.IND	IBM Tivoli Configuration Manager for Automated Teller Machines, Version 2.1, Interim Fix 2.1-CMA-IF0001	2.1-CMA-IF0001

Installing interim fixes using SIS

When installing interim fixes using Tivoli Software Installation Service, select the interim fix component to be installed using the product name shown in Table 2.

Tivoli Software Installation Service does not distinguish between products and interim fixes. Whether the installation image is used for an installation or upgrade, Tivoli Software Installation Service refers to all installation images as products.

Tivoli Software Installation Service can install multiple products on multiple workstations in parallel. This software can install several products on several computer systems in less time than using the installation methods provided by Tivoli Management Framework.

The basic procedure for using Tivoli Software Installation Service to install products is as follows:

1. Import the product images into the Tivoli Software Installation Service depot.
2. Select the components to be installed.
3. Select the workstations on which each component is to be installed.
4. Click **Install**.

For detailed information about using Tivoli Software Installation Service, see *Tivoli Enterprise: Installation Guide*.

Updating the automated teller machine endpoint configuration

To update IBM Tivoli Configuration Manager for Automated Teller Machines on automated teller machine endpoints, install the ATM_Configuration_Fix.v2.1.FP01.IF0001 software package as described in the *IBM Tivoli Configuration Manager for Automated Teller Machines: Installation and Configuration Guide for Fix Pack 1.*

Updating the inventory schema

When you install an interim fix, you must update the inventory schema by running the provided SQL scripts.

This interim fix installation provides scripts to update inventory tables and views with the new database information introduced by the interim fix, depending on the database you installed.

Updating tables and views on DB2

To update the tables and views in the DB2 RDBMS, perform the following steps:

1. Copy the tivoli_sstxfs_db2_upgrade_21_FP02.sql script from the $BINDIR/TME/sst/ntxfs/scripts/rdbms directory on the Tivoli server to a temporary directory on the RIM host or on the DB2 server.

   For DB2, run the tivoli_sstxfs_db2_upgrade_21_FP02.sql upgrade script.
2. Create a connection to the DB2 server database using the following command:

   ```
   db2 connect to database_name user user_name using password
   ```

   where:

   database_name
   Specifies the name or alias name of the Inventory configuration repository

   user_name
   Specifies the name of the user who owns the Inventory configuration repository

   password
   Specifies the password of the user specified by *user_name*
3. From the temporary directory into which you copied the tivoli_sstxfs_db2_upgrade_21_FP02.sql script, run the script using the following command:

   ```
   db2 –f tivoli_sstxfs_db2_upgrade_21_FP02.sql –o –t
   –z tivoli_sstxfs_db2_upgrade_21_FP02.log
   ```

   This command updates the Inventory configuration repository schema for IBM Tivoli Configuration Manager for Automated Teller Machines, on DB2. It also directs the output to the screen, and logs the output in the tivoli_sstxfs_db2_upgrade_21_FP02.log file.

Updating tables and views on DB2 on MVS

To update the tables and views in the DB2 RDBMS, perform the following steps:

1. Copy the tivoli_sstxfs_db2_mvs_upgrade_21_FP02.sql script from the $BINDIR/TME/sst/ntxfs/scripts/rdbms directory on the Tivoli server to a temporary directory on the RIM host or on the DB2 server.

   For DB2 on z/OS, there are two different upgrade scripts:

   - tivoli_sstxfs_db2_mvs_upgrade_21_FP02.sql if you want to use the default tablespace storage information.
   - tivoli_sstxfs_db2_mvs_custom_upgrade_21_FP02.sql if you want to specify tablespace storage information.
2. Create a connection to the DB2 server database using the following command:

   ```
   db2 connect to database_name user user_name using password
   ```

   where:

   database_name
   Specifies the name or alias name of the Inventory configuration repository

   user_name
   Specifies the name of the user who owns the Inventory configuration repository

   password
   Specifies the password of the user specified by *user_name*
3. From the temporary directory into which you copied the tivoli_sstxfs_db2_mvs_upgrade_21_FP02.sql script, run the script using the following command:

```
db2 –f tivoli_sstxfs_db2_mvs_upgrade_21_FP02.sql –o –t
–z tivoli_sstxfs_db2_mvs_upgrade_21_FP02.log
```

This command updates the Inventory configuration repository schema for IBM Tivoli Configuration Manager for Automated Teller Machines, on DB2. It also directs the output to the screen, and logs the output in the tivoli_sstxfs_db2_mvs_upgrade_21_FP02.log file.

Updating tables and views on Informix

To update the tables and views in the Informix RDBMS, perform the following steps:

1. Copy the tivoli_sstxfs_infx_upgrade_21_FP02.sql script from the $BINDIR/TME/sst/ntxfs/scripts/rdbms directory on the Tivoli server to a temporary directory on the RIM host or on the Informix server.
2. Run the tivoli_sstxfs_infx_upgrade_21_FP02.sql script using the following command:

   ```
   dbaccess database_name@$INFORMIXSERVER tivoli_sstxfs_infx_upgrade_21_FP02.sql
   ```

   where *database_name* is the name of the Inventory configuration repository.

   This command updates the Inventory configuration repository schema for IBM Tivoli Configuration Manager for Automated Teller Machines on Informix.

Updating tables and views on MS SQL

To update the tables and views in the MS SQL RDBMS, perform the following steps:

1. Copy the tivoli_sstxfs_sql_upgrade_21_FP02.sql script from the $BINDIR/TME/sst/ntxfs/scripts/rdbms directory on the Tivoli server to a temporary directory on the RIM host or on the MS SQL server.
2. From the temporary directory, run the script using the following command:

   ```
   isql –U user_name [–P password][–S server id][–d database id]
   –i tivoli_sstxfs_sql_upgrade_21_FP02.sql –o tivoli_sstxfs_sql_upgrade_21_FP02.log
   ```

   where:

   user_name
   : Specifies the MS SQL user name.

   password
   : Specifies the password for the MS SQL server user.

   server id
   : Specifies the MS SQL server identifier.

   database id
   : Specifies the name of the Inventory database.

   This command updates the Inventory configuration repository schema for IBM Tivoli Configuration Manager for Automated Teller Machines on MS SQL. It also directs the output to the screen, and logs the output in the tivoli_sstxfs_sql_upgrade_21_FP02.log file.

Updating tables and views on Oracle

To update the tables and views in the Oracle RDBMS, perform the following steps:

1. Copy the tivoli_sstxfs_ora_upgrade_21_FP02.sql script from the $BINDIR/TME/sst/ntxfs/scripts/rdbms directory on the Tivoli server to a temporary directory on the RIM host or on the Oracle server.
2. Switch to the Oracle user and start an SQL *Plus session. Log in to the Oracle server using the following command:

   ```
   sqlplus user_name/password
   ```

where *user_name* and *password* are the Oracle user name and password created and set when you ran the inventory admin script.

3. To specify a file for the log information, use the following command:

   ```
   spool tivoli_sstxfs_ora_upgrade_21_FP02.log
   ```

4. In the SQL *Plus session, run the tivoli_sstxfs_ora_upgrade_21_FP02.sql script using the following command:

   ```
   @tivoli_sstxfs_ora_upgrade_21_FP02.sql
   ```

   The script updates the Inventory configuration repository schema for IBM Tivoli Configuration Manager for Automated Teller Machines on Oracle. It also logs the results in the tivoli_sstxfs_ora_upgrade_21_FP02.log file.

Updating tables and views on Sybase

To update the tables and views in the Sybase RDBMS, perform the following steps:

1. Copy the tivoli_sstxfs_sybase_upgrade_21_FP02.sql script from the $BINDIR/TME/sst/ntxfs/scripts/rdbms directory on the Tivoli server to a temporary directory in which you can run isql on the RIM host or the Sybase server.
2. From the temporary directory, run the script using the following command:

   ```
   isql –U user_name [–P password] [–S server id] [–d database id]
    -i tivoli_sstxfs_sybase_upgrade_21_FP02.sql
   –o tivoli_sstxfs_sybase_upgrade_21_FP02.sql.log
   ```

   where:

   user_name
   : Specifies the name of the Sybase user created when you ran the inventory admin script. The default value is `invtiv`.

   password
   : Specifies the password, defined when you ran the inventory admin script, for the Sybase user. The default value is `tivoli`.

   server id
   : Specifies the Sybase server identifier.

   database id
   : Specifies the name of the Inventory database.

   This command updates the Inventory configuration repository schema for IBM Tivoli Configuration Manager for Automated Teller Machines on Sybase and logs the output in the tivoli_sstxfs_sybase_upgrade_21_FP02.log file.

Documentation notes

This section contains new information and documentation corrections contained in this interim fix.

Installation and Configuration Guide for Fix Pack 1

This section contains new and updated information for IBM Tivoli Configuration Manager for Automated Teller Machines Installation and Configuration Guide for Fix Pack 1:

Defect 63232

In Appendix A. Inventory tables, views, and queries in sections:

- "Cash dispenser capabilities"
- "Depository capabilities"
- "ID card reader capabilities"

- "PIN pad capabilities"
- "Printer capabilities"

add to the current Columns list the following new columns:

```
FRM_INST_DATE (*)
FRM_VERSION (*)
```

Add the following note at the end of each section:

Note: (*) These columns are populated only if you have installed the XFS 3.0x product layer and if you are using the vendor Wincor Nixdorf International GmbH. In case of multiple firmware versions, only the most recent is reported.

Defect 63232

In Appendix A. Inventory tables, views, and queries in section "PIN pad status" add to the current Columns list the following new column:

```
SERIAL_NUMBER (*)
```

Add the following note at the end of the section:

Note: (*) This column is populated only if you have installed the XFS 3.0x product layer and if you are using the vendor Wincor Nixdorf International GmbH. In case of multiple firmware versions, only the most recent is reported.

Defect 63713

In Chapter 4. Upgrading inventory configuration repository in sections:

- "Updating tables and views on DB2"
- "Updating tables and views on Informix"
- "Updating tables and views on MS SQL"
- "Updating tables and views on Oracle"
- "Updating tables and views on Sybase"

add the following statement at the beginning of each section:

You only need to run the tivoli_sstxfs_*vendorschema*_inv4.sql script if you have performed a fresh installation of Configuration Manager for Automated Teller Machines version 2.1 Fix Pack 1. Use the procedure described in this section if you have upgraded from Configuration Manager for Automated Teller Machines version 2.1 GA to Fix Pack 1.

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