Tivoli Migration Toolkit Release Notes (November 1998)

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Tivoli Migration Toolkit, Version 3.6 Release Notes

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This Release Notes document provides important information about Tivoli Migration Toolkit. These notes are the most current information for this product and take precedence over previous Migration Toolkit documentation.

*Please review these notes thoroughly before installing or using this product, and read the 3.6 Release Notes for all installed Tivoli products before beginning an upgrade or migration to the new Tivoli three-tier architecture.*

Tivoli strongly recommends that you perform a complete database backup of all systems in a TMR prior to migrating it. Your environment could be left in an unrecoverable state due to failures during the migration process, and this will require a complete reinstallation of the TME software and data if the TMR systems are not backed up.

These release notes include the following topics:

- Product Description
- System Requirements
- Installation Summary
- Version 3.6 Software Defects, Limitations, and Workarounds
- Version 3.6 Documentation Defects
- Product Notes
Product Description

Tivoli frequently updates the Tivoli Customer Support home page with new information about configuring and using Tivoli products. This information includes the following:

■ Updated versions of release notes
■ Updated versions of Tivoli documentation
■ Searchable support databases
■ Additional product patches
■ Access to training schedules

Visit the [www.support.tivoli.com/news](http://www.support.tivoli.com/news) site for this information and for additional customer services. After you link to and submit the customer registration form, you can access these services on the Web.

You may notice that both “Tivoli” and “TME 10” are used in our sales, marketing, and product information. These terms are interchangeable.

Product Description

The Tivoli Migration Toolkit contains commands, sample scripts, and supporting documentation to help you migrate your deployment to the new Tivoli three-tier architecture, and it contains documentation to help you upgrade Tivoli Framework and Tivoli products to Version 3.6 in your existing Tivoli deployment.

**Note:** Testing focused on Tier 1 migrations from Framework 3.2 to 3.6. Not all Tier 2 operating systems and interpreter types have not been verified with the Migration Toolkit. Additionally, the Migration Toolkit was not full tested on Framework 3.0 and 3.1.

System Requirements

This section describes the software and hardware requirements for the Tivoli Migration Toolkit.
Software Requirements

TME 10 Framework must be present on any managed node on which the Tivoli Migration Toolkit is installed. The Migration Toolkit runs on all versions of the Framework, except Versions 3.0 and 3.0.1.

The Migration Toolkit has been verified for use on all Tier 1 operating systems. The Migration Toolkit has not been verified on all Tier 2 operating systems. To determine whether a system is Tier 1 or Tier 2, refer to the supported operating systems section in the Tivoli Migration Toolkit Migration Guide, Version 3.6. This section is more current than the similar section in Version 3.6 of the TME 10 Framework Release Notes.

The Migration Toolkit has not been verified using non-English characters. The current release of the Migration Toolkit supports English only. Using non-English characters could cause problems.

Hardware Requirements

The Tivoli Migration Toolkit requires less than 1 MB of disk space when installed.

Installation Summary

This section summarizes the procedures for installing and uninstalling the Tivoli Migration Toolkit. Refer to “Installing the Tivoli Migration Toolkit” in the Tivoli Migration Toolkit Migration Guide, Version 3.6 for complete instructions on how to install and uninstall the Migration Toolkit.

Install the Migration Toolkit only on the systems where you plan to run it. This is generally the Tivoli Management Region (TMR) server and Enterprise Console (TEC) event server, although you can run it from any+ managed node. You can use the Migration Toolkit on the TMR server and managed nodes to migrate resources associated with managed nodes, PC managed nodes, and other managed resources.

Installing the Tivoli Migration Toolkit

Install the Tivoli Migration Toolkit on the TMR server, TEC event server, and other managed nodes where you plan to run it.
Version 3.6 Software Defects, Limitations, and Workarounds

**Note:** Because the TMR server is where most Tivoli operations occur, the Migration Toolkit performs best when installed on this system.

The installation can be done in the following ways:

- Directly from the Tivoli desktop
- Using the `winstall` command from the command line interface (CLI)
- Using the TME 10 Software Installation Service (SIS)

**Note:** If you install the Tivoli Migration Toolkit from the Tivoli desktop or from the CLI, resynchronize SIS before using it to install other Tivoli products.

**Uninstalling the Tivoli Migration Toolkit**

To uninstall the Tivoli Migration Toolkit from any system running Framework 3.6, use the `wuninst` command from the CLI.

**Note:** The `wuninst` command is only shipped/packaged with Framework 3.6.

If you are using a release of TME 10 Framework earlier than Version 3.6, uninstall the Migration Toolkit using the `migrclean` command.

For more information on the use of the `wuninst` and `migrclean` commands, refer to “Installing the Tivoli Migration Toolkit” in the *Tivoli Migration Toolkit Migration Guide, Version 3.6*.

**Reinstalling the Tivoli Migration Toolkit**

You must uninstall any earlier releases of the Tivoli Migration Toolkit before reinstalling the product on any system.

**Version 3.6 Software Defects, Limitations, and Workarounds**

1. The `wmigrtmr` command does not set Windows NT Login Time or NetWare Login Time attributes for Tivoli UserProfile profiles. (CMVC-48613)
WORKAROUND: If you control the Windows NT or NetWare login time in the **UserProfile**, you must manually set it in your new TMR. After importing resources into your new TMR using the shell script created by the `wmigrtmr` command, open each **UserProfile** record that needs to be changed. On the **User Properties** menu, set the **NT Login Time** or **NetWare Login Time** attribute.

2. The `wmergepm`, `wmigrlprf`, and `wcopypm` commands cannot copy or move TME 10 Enterprise Console adaptor configuration profiles (ACP). If a profile manager includes an ACP, the ACP is skipped, a message is written to standard error, and the command continues processing the other profiles. (CMVC-48163, CMVC-44180)

WORKAROUND: Use the Tivoli desktop to copy or move the Enterprise Console ACPs to a new profile in the appropriate profile manager.

3. The `wmvprf`, `wsplitpm`, `wmergepm`, `wmigrlprf`, and `wcopypm` commands cannot copy or move the **Windows NT Login Time** or **NetWare Login Time** attributes for TME 10 User Administration profiles. If these commands are used on User Administration profiles, the login time attribute for each profile is set to its default value, resulting in non-restricted user access times. (CMVC-48587)

WORKAROUND: Do not move or copy the User Administration profiles if these attributes are used. If you must copy or move these profiles, use the Tivoli desktop to copy or move as this preserves the **Login Time** attribute.

4. The `wmvprf`, `wsplitpm`, `wmergepm`, `wmigrlprf`, and `wcopypm` commands cannot copy or move the **Optional File Package** information in TME 10 Software Distribution profiles. If these commands are used on Software Distribution profiles, the **Optional File Package** information is deleted. (CMVC-48599)

5. The `wmvprf`, `wcopypm`, `wsplitpm`, `wmergepm`, and `wmigrlprf` commands do not perform correctly in TMRs using Security Management versions prior to Version 3.6. (CMVC-52969)
6. The `wmigrtmr` command does not import the exported Remote Control information. As such, importing with resource of Remote Control generates an empty script file. (CMVC-52979)

WORKAROUND: Add Remote Control information manually using the Tivoli desktop.

7. The Tivoli Migration Toolkit does not work on double-byte character sets. Because double-byte character sets were only introduced with Version 3.6 Tivoli products, this is only an issue if you upgrade Tivoli products to Version 3.6 and then create new objects with double-byte character sets that you later decide to migrate. (CMVC-53025)

WORKAROUND: If you are going to make use of the double-byte character set functionality, complete your migration before upgrading to Version 3.6 Tivoli products.

8. When importing `SecurityProfile` resources, the `wmigrtmr` command produces an error message that states that a security record has been assigned a Security Resource that has not yet been created. (CMVC-50266)

WORKAROUND: The error can be ignored. The Security Resource is assigned when the record is created later in the script.

9. Some record groups are not recreated when you import an exported profile while migrating Distributed Monitoring profiles using the following commands:

- `wcopypm`
- `wmergepm`
- `wmigrlprf`
- `wmigrtmr`
- `wmvprf`
- `wsplitpm`

These records are attributes of the monitors themselves. The monitor level attributes that are not recreated are: `Distribution`
actions, Scheduling restrictions and Message style.
(CMVC-53068)

WORKAROUND: Using the Tivoli desktop, manually recreate the record groups in question.

10. When importing User Administration profiles on a TMR server running NT, an error occurs when creating a user if there is a non-alphanumeric character in the carbon user field. (PR53159, CMVC-44819)

WORKAROUND: Remove the <p> argument from the tivoli user, located in the User Profile section of the shell script. Then set the password manually for each imported profile.

11. The following Migration Toolkit commands do not process negative UNIX UIDs or GIDs:
   - wcopypm
   - wmergepm
   - wmiigrprf
   - wmigrtmr
   - wmvpfrf
   - wsplpm
   (CMVC-53186)

WORKAROUND: Before using these commands on a user profile for UNIX users, make sure none of the users have a negative UID or GID (for example, the user nobody often has a negative UID and GID). If your profiles contain negative values in the UID or GID fields:
   a. Make note of the original user name and UID and GID numbers
   b. Change each negative UID or GID to a unique positive number
   c. Run the command
   d. Change each UID or GID back to its original negative number

12. The following files, needed by the TMASERV.PL and TMALOGIN.BAT programs for rapid deploy, are not deployed with an upgrade to Framework 3.6:
$BINDIR/../lcf_bundle/bin/w32-ix86/deploy/dep_aft.exe
$BINDIR/../lcf_bundle/bin/win95/deploy/dep_aft.exe
$BINDIR/../lcf_bundle/bin/win3x/deploy/dep_aft.exe

(CMVC-53367)

**WORKAROUND #1:** Install a fresh Framework 3.6 server install on a machine and copy the files to the old system.

**WORKAROUND #2:** Obtain the missing files from the Tivoli FTP server and copy them into a newly-created `deploy` subdirectory under the `interp` directory on the TMR server. The ftp instructions are as follows:

b. At the **Name** prompt, enter **anonymous**.
c. At the **Password** prompt, enter your email address.
d. Enter **bin** to set binary transfer mode.
e. Go to `development/outgoing/migration/ntlogin`.
f. Copy the `dep_aft.exe` file from each of the following platform directories:
   - w32-ix86/deploy
   - win3x/deploy
   - win95/deploy

13. The `migrclean` command does not remove `MIGRATE` from the Name Registry. (CMVC-53335)

**WORKAROUND:** If you use the `migrclean` command to uninstall every instance of the Tivoli Migration Toolkit from your TMR, you should remove the `MIGRATE` tag from the Uninstall object. This tag can be removed using the following command:

```
wregister -u -r Uninstall MIGRATE
```

14. The importing of **SecurityProfile** records takes too much time. (CMVC-53370)

15. Running the `migrclean` command with no arguments does not remove installation tag files. (CMVC-53406)
WORKAROUND: Run the `migcrean` command with the 
`--rmfiles` argument to remove installation tag files.

16. The `migcrean` command does not remove the man pages with the 
`--rmfiles` option, however it does remove the installation tag file 
for the man pages. (CMVC-53408)

17. Running the `wmigsub --d` command on an existing profile 
manager that has other profile managers as subscribers will write 
a message to standard error but will not exit. Instead, a warning of 
the incompatible subscribers is issued and the profile manager is 
converted to dataless mode. (CMVC-53392, CMVC-50131)

18. As a temporary limitation, all product upgrades must be performed 
as a Tivoli administrator whose name does not contain the space 
character. (CMVC-53417)

19. IX83613: As a temporary limitation, Tivoli administrators must 
have the `senior` role to subscribe an endpoint to a profile manager. 
(CMVC-53418)

   WORKAROUND: Actions on individual endpoints should be 
   avoided. One reason for this is that relying on policy region roles 
to determine security is not scaleable. Group the endpoints into 
profile managers and subscribe these profile managers through the 
Tivoli desktop or command line.

20. Confusing and difficult to read output is created when using the 
`wcopypmtree` command to copy a profile manager whose profile 
manager subscribers contain managed nodes and PC managed 
nodes. (CMVC-53282)

21. The `wdiscover` command should always be run with either the `--t` 
argument, the `--d` argument, or the `--s` argument. Currently, the 
command can be run with the `--r` argument only, but this results in 
unexpected behavior. (CMVC-53548)

22. Because there is not a designated man directory in which to place 
`.hlp` file, the Migration Toolkit man pages are not installed on 
Windows NT TMR servers when the Tivoli desktop or the 
command line is used to install the product. (CMVC-53529)

   WORKAROUND: For Windows NT TMR servers, use the 
   TME 10 Software Installation Service to install the Migration
Toolkit. SIS installs the man pages into a default location –
c:/usr/local/tivoli/man/interp

Version 3.6 Documentation Defects

This section describes documentation defects in the Tivoli Migration Toolkit Migration Guide, Version 3.6.

1. The man page and Windows help file for the `wmigrsub` command need to have the following line added to the description of the `node` argument:

   “If you do not specify `node`, all subscribers in the profile manager are converted.”

   This description is correct in the Tivoli Migration Toolkit Migration Guide, Version 3.6.

2. The man page and Windows help file for the `wmigrlprf` command have an incorrect syntax statement. The correct syntax is as follows:

   ```
   wmigrlprf [-v] [-r region] [-s sep] [-m pm] [-p profile] local_profile
   wmigrlprf [-v] [-r region] [-s sep] -f file
   ```

   This syntax statement is correct in the Tivoli Migration Toolkit Migration Guide, Version 3.6.

Product Notes

This section contains important information that you should consider while using the Tivoli Migration Toolkit.

Command Changes from the Introduction to TME 10 Migration, Version 3.6

Commands added to the Tivoli Migration Toolkit command set since the publication of the Introduction to TME 10 Migration, Version 3.6 are as follows:

- migrelean
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- wcopypmtree
- wlsmeth
- wlsprop
- wmigrjob
- wmvprf
- wnonstdpm
- wsetepalias

Commands that have been removed from the Tivoli Migration Toolkit command set since the publication of *Introduction to TME 10 Migration, Version 3.6* are as follows:

- wmgrlprf
- wmigrsuball
- wmvmm

Other Product Considerations

- Perform all product upgrades as a Tivoli administrator whose name does not contain the space character. This is a temporary limitation.

- To subscribe an endpoint to a profile manager, Tivoli administrators must have the *senior* authorization role. This is a temporary limitation.

- The performance of the following migration commands can be improved by turning off the validation policy before they are run:
  - wcopypm
  - wmergepm
  - wmgrlprf
  - wmigrtmr
  - wmvprf
  - wsplitpm

  After these migration commands are used, but before you distribute affected profiles, turn on the validation policy.
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Notes:

• Do not turn off the default policy. Default changes you made are lost. The defaults are set to the original Tivoli defaults when you turn the default policy back on.

• This is an unsupported performance enhancement.

Security Management supports all Framework 3.1.x releases except for Versions 3.1 and 3.1.2. Version 3.1.1 is only supported with patches 3.1_TMP-0021, 3.1_TMP-0036, and 3.1.1-TMP-0003. Security Management supports Framework 3.2, but only with 3.2-TMP-0008.

Also, for Security Management 3.2, you must install 3.2-SEC-0001 for User Administration integration to work, 3.2-SEC-0002 for Enterprise Console and Distributed Monitoring integration to work (UNIX only), and 3.2-SEC-0004 for TACF to work on AIX 4.2.1.

TACF (the UNIX endpoint for Security Management) does not currently support the following UNIX operating systems: AIX 4.3, AIX 4.1.0, AIX 4.1.2, SunOS 4.1.3, HP-UX 11.

Read the 3.6 Release Notes for all installed TME 10 products before beginning an upgrade or migration to the new Tivoli three-tier architecture.