

Release Notes



IBM[®] Tivoli[®] Identity Manager

Windows Local Account (WinLocal) Adapter

Version 5.0.4

First Edition (July 26, 2010)

This edition applies to version 5.0 of Tivoli Identity Manager and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

Welcome to the IBM Tivoli Identity Manager Windows Local Account (WinLocal) Adapter.

These Release Notes contain information for the following products that was not available when the IBM Tivoli Identity Manager manuals were printed:

- IBM Tivoli Identity Manager Windows Local Account Adapter Installation and Configuration Guide

Adapter Features and Purpose

The Windows Local Account Adapter is designed to create and manage local accounts on Windows Operating Systems. The adapter runs in “agentless” or “agent” mode. The agent can be installed on system other than the system being managed. Refer "Configuration Notes" for remotely managing Windows Local account

The deployment configuration is based, in part, on the topology of your network domain, but the primary factor is the planned structure of your Identity Manager Provisioning Policies and Approval Workflow process. Please refer to the Identity Manager Information Center for a discussion of these topics.

The Identity Manager adapters are powerful tools that require administrator level authority. Adapters operate much like a human system administrator, creating accounts, permissions and home directories. Operations requested from the Identity Manager server will fail if the adapter is not given sufficient authority to perform the requested task. IBM recommends that this adapter run with administrative (root) permissions.

Contents of this Release

Adapter Version

Component	Version
Release Date	July 26, 2010
Adapter Version	5.0.4
Component Versions	Adapter Build 5.1.1010 Profile 5.0.1004 ADK 5.17
Documentation	Windows Local Account Adapter Installation and Configuration Guide SC23-6177-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
MR0411106329	Added TIM 4.6 profile to the adapter package. Adapter can be used on Windows 2008 and 2008 R2 with the bundled TIM 4.6 Profile.
	Items included in release 5.0.3
MR0824093512	WinLocal: Enable service group management for Winlocal adapter.
OSDB	Add support for Windows 7.
	Items included in release 5.0.2
N/A	Windows Local Account Agent enhanced to manage local account remotely
N/A	Windows Local Account Agent enhanced to manage Windows 2008
	Items included in release 5.0.1
	Initial release for Tivoli Identity Manager v5.0

Closed Issues

CMVC#	APAR#	PMR# / Description
		Items closed in current version
		None
		Items closed in 5.0.3 version
		None
		Items closed in 5.0.2 version
		None
		Items closed in 5.0.1 version
		None

Known Issues

CMVC#	APAR#	PMR# / Description
N/A	N/A	<p>Editing adapter profiles on UNIX or Linux.</p> <p>The adapter profile JAR file may contain ASCII files created using MS-DOS ASCII format (i.e. schema.dsml, CustomLabels.properties, and service.def). If you edit a MS-DOS ASCII file in Unix you will often see the characters ^M at the end of each line. This is the extra character 0x0d that is used to indicate a new line of text in MS-DOS. There are tools, such as dos2unix, that can be used to strip out the ^M character. In addition, there are text editors that will ignore the ^M character.</p> <p>If you are using the vi editor, you can strip out the ^M character as follow:</p> <p>From the vi's command mode: <code>:%s/^M//g</code></p> <p>followed by pressing Enter. The ^M (or Ctrl-M) typed to show it here should actually be entered by pressing ^v^M in sequence. (The ^v preface tells vi to use the next keystroke literally instead of taking it as a command.)</p>
N/A	N/A	<p>Using the Upgrade Option:</p> <p>The Upgrade option is applicable only to 5.0.x maintenance upgrades. The upgrade option is not designed for v4.6 to v5.0 migrations.</p> <p>The adapter now uses a latest version of installer. It is recommended to completely uninstall the existing 5.0 adapter and then install this version of 5.0 adapter if your existing adapter build number is 5.0.1009 and older. Update adapter option is only supported for adapter build number 5.1.1010 and later.</p>
		<p>XFORMS</p> <p>This adapter does not use an xforms.xml file. Errors in the adapter log concerning xforms may be safely ignored. Error message is: "Unable to load XML transformation buffer from..."</p>
		<p>Silent Installation</p> <p>The adapter installer installs the adapter and Microsoft Run Time libraries. The adapter installer includes an installer which installs the Microsoft Run Time libraries. When you run the installer in silent mode, the UI of the installer for run time libraries is also suppressed. It is observed that on some systems the silent installation of the installer for Microsoft Run Time libraries does not work. When the run time libraries are not installed properly the adapter service will not start.</p> <p>Work Around:</p> <p>You can download the installer for Microsoft Run Time libraries (vcredist_x86.exe) and install it manually on the agent machine.</p>

Installation and Configuration Notes

See the IBM Tivoli Identity Manager Adapter Installation Guide” for detailed instructions.

Running v4.6 and v5.0 Adapters on the Same Server

The Identity Manager version 5.0 adapters have enhanced capabilities that are not compatible with older version 4.6 adapters. It is highly recommended that all adapters hosted on an individual server are upgraded at the same time.

Adapters installed on the same server may share common components or run-time environments. The version 4.6 adapters may not be compatible with the version 5.0 component and may no longer operate as expected after installation of a version 5.0 adapter. On Windows servers all adapters must be upgraded simultaneously due to the sharing of DLLs. Check the adapter installation guide for additional information.

Corrections to Installation Guide

The following corrections to the Installation Guide apply to this release:

NOTE: The Adapter Installation and Configuration Guide lists Windows 2000 as a supported platform, however, Microsoft has recently ended mainstream support for this version. While there are no known issues associated with hosting the adapter on Windows 2000, if a problem does arise that is tracked to the OS, Tivoli Support will ask you to upgrade to the officially supported version, Windows 2003.

Agentless Installation

This version of Windows Local Account Adapter can be installed on the Windows server other than the server where the local accounts will be managed. When configured to run agentless, the Service form Work Station attribute must specify the location of the remote server on which the operation is to be executed. If this parameter is NULL, the local computer will be used the adapter will manage the machine on which it is installed. Work Station is an optional field.

Configuring the adapter for agentless mode

For example, you are managing Resource1 and the Windows Local Account adapter is running on the Resource2. To run the adapter in agentless mode:

- Specify the IP address or the machine name of Resource1 for 'Work Station' attribute on Tivoli Identity Manager Service form.
- Create a domain account, an account on Active Directory domain to which Resource1 and Resource2 belongs. For example, MyDomain\Admin1.
- Make this domain account, MyDomain\Admin1, a member of the local 'Administrators' group of the managed resource Resource1.

Note:

Specify the name of the administrator account, MyDomain\Admin1, on the 'Log On' tab of adapter's windows service "Tivoli Active Directory Agent" property page on Resource2. If you want to manage more than one resource by using the Windows Local Account adapter, then the same account MyDomain\Admin1 must be added to the local 'Administrators' group of all managed resources.

The accounts must be able to remotely connect to the Windows Local Account server and must have

appropriate privileges to administer the Windows Local user accounts and groups.

Adding Search Attributes for Event notification

The name of the attribute for the Windows Local Account Adapter is erWinLocalServer.

If you modify this attribute, the new value must be same as what is entered on the adapter service form. If the field is blank on the service form, you do not have to specify an attribute value.

Corrections to the Configuration Guide

Installing the Windows Local Account adapter -> Installing the adapter -> Procedure

1. If you downloaded the installation software from Passport Advantage, perform the following steps:
 - a. Create a temporary directory on the computer on which you want to install the software.
 - b. Extract the contents of the compressed file into the temporary directory.
2. Start the installation program with the setup.exe file in the temporary directory.
3. Select the language and click OK to display the Introduction window.
4. On the Introduction window, click Next to view the Software License Agreement.
5. Do the following at the Software License Agreement window:
 - Review the license agreement and select Accept .
 - Click Next.
6. Select either Full installation or Update installation and click Next
Note: The adapter must already exist if you want to perform an update installation. If it does not exist, the software generates the following message:
Update not supported when the adapter is not previously installed.
Cannot perform Update Installation. Windows Local Account Adapter is not installed on this machine.
Please select Full Installation.
- 7a. When you select Full installation option, specify where you want to install the adapter in the "Where Would You Like to Install?" field on Choose Install Folder. Do one of the following.
 - Click Next to accept the default location.
 - Click Choose and navigate to a different directory and click Next to view the pre-Installation Summary.
- 7b. When you select the update installation option, then the adapter will display the path of the adapter installation which will be updated. Click OK to view the pre-Installation Summary.
8. Review the installation settings on the pre-Installation Summary window and do one of the following:
 - Click Previous and return to a previous window to change any of these settings.
 - Click Install when you are ready to begin the installation.
9. Click Done on the Install Complete window.

Installing the Windows Local Account adapter -> Verifying the installation

If the adapter is installed correctly, the following directories exist in the adapter installation directory:

- bin** The bin directory contains the following files:
- WinLocalAgent.exe
 - agentCfg.exe
 - IsamTool.exe
 - CertTool.exe
 - fipsEnable.exe
 - regis.exe

data Initially the data directory is empty.

license

The license directory contains files that provide license information in supported languages.

log

The log directory contains the adapter log files. After the adapter installation is complete, the adapter creates WinLocalAgent.log file.

_unist

The _unist directory contains the uninstaller.exe file. You can uninstall the Windows Local Account adapter from agent Server workstation by using the uninstaller.exe file.

After the adapter installation completes, ensure that windows service for Windows Local Account adapter is created and its status is Started. To view the windows service status:

1. Click Start>Programs>Administrative Tools>Services to display the Services page.
2. Search for the service Tivoli Windows Local Account Adapter.

The adapter copies the following files to the system32 directory:

- AdkApi.dll
- ErmApi.dll
- ErmApiDaml.dll
- icudt36.dll
- icuuc36.dll
- libeay32.dll
- ssleay32.dll

Review the installer log file (Tivoli_Windows_Local_Account_Adapter_InstallLog.log) located in the installation directory for any errors

Updating the Windows Local Account adapter or the ADK

Note:

1. If your existing adapter version is earlier than 5.0, you must uninstall the older version of the adapter before you can install the 5.0 adapter. You cannot migrate from an earlier version to 5.0 because the encryption used in the 5.0 release is not compatible with previous versions of the ADK. Any previously encrypted values cannot be read by the 5.0 adapter.
2. The 5.0 adapter now uses a newer version of the installer. It is recommended that you uninstall the existing adapter, if the existing adapter build number is 5.0.1009 or older.

You can either update the Windows Local Account adapter or the Adapter Development Kit (ADK). The ADK is the base component of the adapter. While all adapters have the same ADK, the remaining adapter functionality is specific to the managed resource.

If only a code fix has been made to the ADK, instead of upgrading the entire adapter, you can upgrade just the ADK to the newer version. See "Updating the ADK" in Installation Guide.

Updating the Windows Local Account adapter

Note: Update adapter is not supported if you are updating from adapter build number 5.0.1009 or older.

For adapter build number 5.1.1010 and higher, use the adapter upgrade option:

- If you want to keep the adapter configuration (registry keys and certificates) unchanged.

- If the installed adapter is FIPS enabled. The Update Installation option keeps FIPS configurations such as the CA certificates, fipsdata.txt the (key generated by running fipsenable.exe) and the registry keys encrypted with fipsdata.txt unchanged.

If update installation option is selected, the installer detects the path of the existing installed adapter. If no prior installation of the adapter is found on the system, the installer will display an error message. The installer replaces the binaries and the DLLs of the adapter and the ADK. The installer does not prompt for any configuration information during an update installation.

Note: Adapter related registry keys are not modified. The update installation does not create a new service for the adapter.

During an update, in order to maintain all of your current configuration settings, as well as the certificate and private key, do not uninstall the old version of the adapter before installing the new version. For more information on how to install the adapter, see "Installing the Windows Local Account adapter" in Installation Guide

In order to update an existing adapter, complete the following steps:

1. If you downloaded the installation software from Passport Advantage, perform the following steps:
 - a. Create a temporary directory on the computer on which you want to install the software.
 - b. Extract the contents of the compressed file into the temporary directory.
2. Start the installation program with the setup.exe file in the temporary directory.
3. Select the language and click OK to display the Introduction window.
4. On the Introduction window, click Next to view the Software License Agreement.
5. Do the following at the Software License Agreement window:
 - Review the license agreement and select Accept .
 - Click Next.
6. Select Update installation option and click Next
Note: The adapter must already exist if you want to perform an update installation. If it does not exist, the software generates the following message:
Update not supported when the adapter is not previously installed.
Cannot perform Update Installation. Windows Local Account Adapter is not installed on this machine. Please select Full Installation.
7. The adapter will display the path of the adapter installation which will be updated. Click OK to view the pre-Installation Summary.
8. Review the installation settings on the pre-Installation Summary window and click on Install
9. Click Done on the Install Complete window.

Uninstalling the adapter -> Uninstalling the adapter from the target server

To remove the adapter, complete these steps:

1. Run the uninstaller. To run the uninstaller:
 - a. Navigate to the adapter installation directory. For example,
C:\Tivoli\agents\WinLocalAgent_uninst
 - b. Double click the uninstaller.exe file.

Note: If you have installed the adapter using the -i silent option, then the uninstaller will be executed in silent mode.
2. Click Uninstall on the Uninstall Tivoli Windows Local Account Adapter windows.
3. Check the status of uninstallation on the Uninstall Complete window.
4. Click Done.
5. Inspect the directory tree for the adapter directories, subdirectories, and files to verify that uninstall is complete.

You can run the uninstaller.exe in silent mode by executing the following command:
uninstaller.exe -i silent

Specify the full path when you are not running the command from _uninst directory in the installation directory of the adapter.

Updating Windows Local Account Adapter by using silent mode

You can use the -i silent option to update the adapter in silent mode.

Please refer to the table under "Installing and uninstalling the Windows Local Account Adapter by using silent mode" for detail information about installer command line parameter for silent installation.

Note:

- If you install adapter in silent mode, the uninstaller runs in silent mode irrespective of whether you are using -i silent option or not.
- When performing Update Installation in silent mode the -DUSER_INSTALL_DIR parameter must never be used
- When updating the adapter using silent installation, the parameter DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=0 must be used to overwrite the default value of this parameter.

Installing the adapter with command line parameters

You can use any of the following commands to perform update installation of the adapter in silent mode.

1. setup.exe -i silent -DLICENSE_ACCEPTED=TRUE -
DUSER_INPUT_INSTALL_TYPE_1= -
DUSER_INPUT_INSTALL_TYPE_2="Update Installation\" -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=0 -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2=1
2. setup.exe -i silent -DLICENSE_ACCEPTED=TRUE -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=0 -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2=1

Note:

1. The installer itself detects if the adapter is already installed on the system on which this command is executed. For this the installer refers to the adapter registry keys.
The installer proceeds with updating the adapter only if it successfully detects a prior installation of the adapter on the system.
If no prior installation is found on the system, the installation is aborted and a log file Tivoli_Windows_Local_Account_Adapter_SilentInstall.log is generated with the following information in the same folder as the setup.exe:
ERROR : UPDATE INSTALLATION NOT SUPPORTED
DESCRIPTION:-Update installation is not supported when there is no prior installation of Tivoli Windows Local Account Adapter present on the system.
Cannot perform Update Installation, Tivoli Windows Local Account Adapter does not exist on this system.
The installation of Tivoli Windows Local Account Adapter will now abort.

Select Full Installation to install Tivoli Windows Local Account Adapter on this system. Refer to installation guide on how to install the adapter in silent mode and with full installation feature

Updating the adapter in silent mode by using the response file

Generating the response file

You can use response file to provide inputs during silent installation. Response file can be generated by running the following command.

```
setup.exe -r "Full path of response file"
```

For example:

```
setup.exe -r "C:\Temp\WinLocalResponse.txt"
```

This runs the installer in interactive mode and installs the adapter.

After the installation completes the file specified as "Full path of response file" will be created containing the required parameters.

Note:

If you are running this command to only generate the response file, you must uninstall the adapter by using the uninstaller.

Creating the response file manually

You can also manually create the response file and add the required parameters to the file.

Create a text file, for example WinLocalInstallParameters.txt, with the following content:

```
#Has the license been accepted
#-----
LICENSE_ACCEPTED=TRUE

#Select Install Type
#-----
USER_INPUT_INSTALL_TYPE=\\",\"Update Installation\"
USER_INPUT_INSTALL_TYPE_1=
USER_INPUT_INSTALL_TYPE_2=Update Installation
USER_INPUT_INSTALL_TYPE_BOOLEAN_1=0
USER_INPUT_INSTALL_TYPE_BOOLEAN_2=1
```

After you create the response file you can use it to provide parameters to the installer for updating the adapter using silent installation as:

```
setup.exe -i silent -f "Full path of response file"
```

For example,

```
setup.exe -i silent -f "C:\WinLocalInstallParameters.txt"
```

Note: Restart the workstation after you install or uninstall the adapter.

When the installation completes with updating the adapter, new install log file will be created replacing the old file in the installation directory.

The adapter installer allows an update installation of the adapter, for adapters versions 5.1 or later.

Configuration Notes

The following configuration notes apply to this release:

NOTE: The attribute "erntmaxstorage" (MaxStorage) has been removed from the Account form, because this attribute is NOT applicable for Windows Local accounts. This attribute is still present in the schema. This attribute is no longer supported by the adapter and if it is added to the Account form and a value is set for it during ADD/MODIFY operation, it will result in Attribute level failure. This attribute will not be brought back by the agent in RECONCILIATION operation.

Agentless Operation

Windows Local Account Agent is enhanced to manage local account remotely. To support this enhancement profile of Windows Local Account Adapter is extended. A new String attribute "erWinLocalServer (1.3.6.1.4.1.6054.3.10.2.75)" is defined and added in "erWinLocalDAMLSERVICE" class. A new label (Work Station) is added to CustomLabels.properties file. This attribute is visible on Service form.

Installing and uninstalling the Windows Local Account Adapter by using silent mode

You can install and uninstall the Windows Local Account Adapter by using silent mode. Silent installation suppresses the Wizard and the Launcher User Interfaces (UIs) that do not display any information or require interaction.

You can use the -i silent option to install or uninstall the adapter in silent mode.

Note:

- The adapter installer also installs run time libraries from Microsoft. The user interface of the installer for these run time libraries is also suppressed during silent installation of the adapter. The installer for these run time libraries creates a log file "vcredist_x86.log" under the temp directory of the user home directory. For example, "C:\Documents and Settings\Administrator\Local Settings\Temp\vcredist_x86.log". It is recommended that you check this file for any errors.
- If you install adapter in silent mode, the uninstaller runs in silent mode irrespective of whether you are using -i silent option or not.
- Silent un-installation may not completely clean the installation directory. There may be some files or folder which is not removed. Please check the installation folder and remove files and folder which are not required when the un-installation completes.

Installing the adapter by using the silent mode

Installing the adapter with default options

Run the following command from command line to install the Windows Local Account Adapter by using the -i silent option:

```
setup.exe -i silent -DLICENSE_ACCEPTED=TRUE
```

The adapter is installed with the following default values.

Installation Directory	%SYSTEM_DRIVE_ROOT%\Tivoli\agents\WinLocalAgent
Installation Type	Full Installation

Installing the adapter with command line parameters

You can specify installation options from the command line when you install the adapter by using the silent option. The following table lists the parameters used by the installer.

Note:

- The -D option is followed by a variable and a value pair without any space after -D.
- You must wrap arguments with quotation marks when the arguments contain spaces.

Parameter Name	Description	Default Value
DLICENSE_ACCEPTED	The installer uses this parameter to get the license acceptance state. When TRUE is supplied as the value for this parameter, it indicates that you accept the terms in the license agreement of the adapter. If the value of this parameter is FALSE or if this parameter is missing then the installation will not continue. Note: - The parameter is must when you run the installer in silent mode.	FALSE
DUSER_INSTALL_DIR	The value of this parameter overrides the default installation directory path. For example, DUSER_INSTALL_DIR="D:\Tivoli\MyFolder" Note: - The installation path must be wrapped in quotation marks.	%SYSTEM_DRIVE_ROOT%\Tivoli\agents\WinLocalAgent
DUSER_INPUT_INSTALL_TYPE_1	When the value of this parameter is "Full Installation" the installer performs full installation of the adapter. For example, DUSER_INPUT_INSTALL_TYPE_1="Full Installation"	"Full Installation"
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1	This parameter is associated with DUSER_INPUT_INSTALL_TYPE_1. When the value of this parameter is 1 the installer performs full installation of the adapter. You can either use DUSER_INPUT_INSTALL_TYPE_1 or DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1 or both to perform full installation.	1
DUSER_INPUT_INSTALL_TYPE_2	When the value of this parameter is "Update Installation" the installer performs update installation of the adapter. For example, DUSER_INPUT_INSTALL_TYPE_2="Update Installation" Note:- When "Update Installation" is specified as the value for this parameter, the parameter DUSER_INPUT_INSTALL_TYPE_1 should be set to blank or should not be specified at all and you must explicitly override the default value of DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1 to 0.	No value, blank

DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2	<p>This parameter is associated with DUSER_INPUT_INSTALL_TYPE_2. When the value of this parameter is 1 the installer performs update installation of the adapter. You can use either DUSER_INPUT_INSTALL_TYPE_2 or DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2 or both to perform update installation.</p> <p>Note:- When the value 1 is specified as the value for this parameter, the parameter DUSER_INPUT_INSTALL_TYPE_1 should be set to blank or should not be specified at all and you must explicitly override the default value of DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1 to 0.</p>	0
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You can use any of the following commands to perform a full installation of the adapter in silent mode.

1. `setup.exe -i silent -DLICENSE_ACCEPTED=TRUE`

This will install the adapter using Full Installation option and will use the default installation directory %SYSTEM_DRIVE_ROOT%\Tivoli\agents\WinLocalAgent, as stated above.

2. `setup.exe -i silent -DLICENSE_ACCEPTED=TRUE -
DUSER_INPUT_INSTALL_TYPE_1="Full Installation" -
DUSER_INPUT_INSTALL_TYPE_2= -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=1 -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2=0`

This will install the adapter using Full Installation option and will use the default installation directory %SYSTEM_DRIVE_ROOT%\Tivoli\agents\WinLocalAgent.

To select a different installation directory add the -DUSER_INSTALL_DIR parameter as:

```
setup.exe -i silent -DLICENSE_ACCEPTED=TRUE -  
DUSER_INSTALL_DIR="C:\Tivoli\MyFolder" -  
DUSER_INPUT_INSTALL_TYPE_1="Full Installation" -  
DUSER_INPUT_INSTALL_TYPE_2= -  
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=1 -  
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2=0
```

3. `setup.exe -i silent -DLICENSE_ACCEPTED=TRUE -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=1 -
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2=0`

This will install the adapter using Full Installation option and will use the default installation directory %SYSTEM_DRIVE_ROOT%\Tivoli\agents\WinLocalAgent.

To select a different installation directory add the -DUSER_INSTALL_DIR parameter as:

```
setup.exe -i silent -DLICENSE_ACCEPTED=TRUE -  
DUSER_INSTALL_DIR="C:\Tivoli\MyFolder" -  
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_1=1 -  
DUSER_INPUT_INSTALL_TYPE_BOOLEAN_2=0
```

Installing the adapter in silent mode by using the response file

Generating the response file

You can use response file to provide inputs during silent installation. Response file can be generated by running the following command.

```
setup.exe -r "Full path of response file"
```

For example:

```
setup.exe -r "C:\Temp\WinLocalResponse.txt"
```

This runs the installer in interactive mode and installs the adapter. After the installation completes the file specified as "Full path of response file" will be created containing the required parameters.

Note:

If you are running this command to only generate the response file, you must uninstall the adapter by using the uninstaller.

Creating the response file manually

You can also manually create the response file and add the required parameters to the file.

Create a text file, for example C:\WinLocalInstallParameters.txt, with the following content:

```
#Has the license been accepted  
#-----  
LICENSE_ACCEPTED=TRUE  
  
#Select Install Type  
#-----  
USER_INPUT_INSTALL_TYPE=\"Full Installation\", \"\"  
USER_INPUT_INSTALL_TYPE_1=Full Installation  
USER_INPUT_INSTALL_TYPE_2=  
USER_INPUT_INSTALL_TYPE_BOOLEAN_1=1  
USER_INPUT_INSTALL_TYPE_BOOLEAN_2=0  
  
#Choose Install Folder  
#-----  
USER_INSTALL_DIR=C:\\Tivoli\\agents\\WinLocalAgent
```

After you have the response file you can use it to provide parameters to the installer for silent installation as:

```
setup.exe -i silent -f "Full path of response file"
For example,
setup.exe -i silent -f "C:\WinLocalInstallParameters.txt"
```

Uninstalling the adapter by using the silent mode

Run the following command from command line to uninstall the Windows Local Account Adapter by using the -i silent option.

```
uninstaller.exe -i silent
```

Specify the full path when you are not running the command from _uninst directory in the installation directory of the adapter.

For example,

```
"C:\tivoli\agents\WinLocalAgent\_uninst\uninstaller.exe" -i silent
```

Note:

- Restart the workstation after you install or uninstall the adapter.
- Silent un-installation may not completely clean the installation directory. There may be some files or folder which is not removed. Please check the installation folder and remove files and folder which are not required when the un-installation completes.

DAML Read Timeout Registry Key Option

MR0501091918 - ADK changes to DAML for adding timeout on read

From this version a new DAML protocol property "READ_TIMEOUT" is introduced to the list of DAML Protocol Properties on agentCfg utility. This applies to setups that have a firewall between IBM Tivoli Identity Manager and the adapter. This firewall has a time out value that is less than the maximum connection age DAML property on Tivoli Identity Manager. When your transactions run longer than the firewall's time out, the firewall terminates the connection. The sudden termination of connections might leave the adapter with incorrect connection threads causing the adapter to crash.

When the adapter crashes randomly because of the specified setup, change the value for the READ_TIMEOUT. **The value must be in seconds and less than the firewall's time out value.** The default value is 0 seconds.

Follow the steps listed below to set non-zero seconds values to the "READ_TIMEOUT" DAML property

- From the Start Menu, select Programs > Accessories > Command Prompt.
- At the command prompt, change to the \bin directory for the adapter.
For example, type the following command, if the Active Directory Adapter is in the default location:

```
cd C:\Tivoli\Agents\ADAgent\bin
```
- Type the following command and Enter configuration key for Agent:

```
agentCfg -agent ADAgent
```
- From the Main Menu, select option B "Protocol Configuration".
- At the Agent Protocol Configuration Menu, type C. The Configure Protocol Menu is displayed.
- At the Configure Protocol Menu, type A. to select DAML protocol. The DAML Protocol Properties menu is displayed.
- Type the letter 'K' from the menu option for "READ_TIMEOUT"

h) The following prompt is displayed:

Modify Property 'READ_TIMEOUT':

Type the time out value for Tivoli Identity Manager and the adapter connection in seconds.

Note: After you set a value for READ_TIMEOUT please restart the adapter service.

Customizing or Extending Adapter Features

The Identity Manager adapters can be customized and/or extended. The type and method of this customization may vary from adapter to adapter.

Getting Started

Customizing and extending adapters requires a number of additional skills. The developer must be familiar with the following concepts and skills prior to beginning the modifications:

- LDAP schema management
- Working knowledge of scripting language appropriate for the installation platform
- Working knowledge of LDAP object classes and attributes
- Working knowledge of XML document structure

Note: This adapter supports customization only through the use of pre-Exec and post-Exec scripting.

Tivoli Identity Manager Resources:

Check the “Learn” section of the [Tivoli Identity Manager Support web site](#) for links to training, publications, and demos.

Support for Customized Adapters

The integration to the Identity Manager server – the adapter framework – is supported. However, IBM does not support the customizations, scripts, or other modifications. If you experience a problem with a customized adapter, IBM Support may require the problem to be demonstrated on the GA version of the adapter before a PMR is opened.

Supported Configurations

Installation Platform

The IBM Tivoli Identity Manager Adapter was built and tested on the following product versions.

Adapter Installation Platform:

- Windows XP
- Windows Vista
- Windows 7
- Windows 2003
- Windows 2003 R2
- Windows 2008
- Windows 2008 R2

Managed Resource:

Local Windows accounts (non-network accounts) on the 32 or 64-bit versions of the following Operating systems (application runs as a 32-bit application on 64-bit OS):

- Windows XP
- Windows Vista
- Windows 7
- Windows 2003
- Windows 2003 R2
- Windows 2008
- Windows 2008 R2

IBM Tivoli Identity Manager:

Identity Manager v5.0

IMPORTANT NOTE:

This Adapter supports local accounts only. For Active Directory management, Use the Windows Active Directory (WinAD) Adapter.

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End of Release Notes