

Release Notes



IBM[®] Tivoli[®] Identity Manager

AIX Virtual Input Output System (VIOS) Adapter

Version 5.0.2

First Edition (July 23, 2008)

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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Contents

Preface	3
Adapter Features and Purpose	3
Contents of this Release	4
Adapter Version	4
New Features.....	4
Closed Issues	4
Known Issues.....	5
Installation and Configuration Notes.....	6
Corrections to Installation Guide	6
Configuration Notes	6
New Adapter Features	6
Support for Pre/Post Exec Attributes	6
Customizing or Extending Adapter Features	7
Getting Started.....	7
Support for Customized Adapters	7
Supported Configurations	8
Installation Platform.....	8
Notices.....	9
Trademarks.....	10

Preface

Welcome to the IBM Tivoli Identity Manager AIX Virtual Input Output Server (VIOS) 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 AIX Virtual Input Output Server (VIOS) Adapter Installation and Configuration Guide

Adapter Features and Purpose

The VIOS Adapter is designed to create and manage accounts within the VIOS partition on AIX systems. The adapter runs in “agentless” mode and communicates using SSH to the systems being managed.

IBM recommends the installation of this adapter (and the prerequisite Tivoli Directory Integrator) on each node of an Identity Manager WAS cluster. A single copy of the adapter can handle multiple Identity Manager Services. 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 23, 2008
Adapter Version	5.0.2
Component Versions	Adapter Build: 5.0.1002 Profile: 5.0.1002 Posix Connector: 5.106 VIOS Connector: 5.002 Dispatcher: 5.009
Documentation	Directory Integrator-Based Virtual Input Output Server Adapter Installation and Configuration Guide SC23-6572-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
N/A	Additional Usability Enhancements: (1) Add postExec/preExec mapping in AL See additional information in the "New Adapter Features" section. (2) Enable debugging in sshConnection.java
	Items included in 5.0.1 release
	Initial release for Tivoli Identity Manager v5.0

Closed Issues

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

Known Issues

CMVC#	APAR#	PMR# / Description
		<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:</p> <pre>:%s/^M//g</pre> <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>
		<p>Reconciliations Hang on AIX</p> <p>The adapter has been designed to accommodate most configuration options for SSH. However, if you are running AIX 5.3 and experience hanging reconciliations, you may be required to upgrade SSH to version OpenSSH v4.7_r1. AIX Support recommends this version of OpenSSH.</p>

Installation and Configuration Notes

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

Corrections to Installation Guide

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

None.

Configuration Notes

The following configuration notes apply to this release:

New Adapter Features

Support for Pre/Post Exec Attributes

The Pre/Post Exec attributes have been added to the default adapter schema to ease the configuration of these features. Due to the sensitive security requirements of this feature, the attributes are not on the default account form.

To add support for PreExec, PostExec attributes follow these steps

- 1) From the “Configuration” tab select “Form Designer”. Expand the “Account” option on the left pane and select the proper account profile (POSIX AIX account, POSIX HP-UX account, POSIX Linux account, or POSIX Solaris account).
- 2) From the “Attribute List”, add the following two attributes to the form: “erposixpreexec” and “erposixpostexec”.
- 3) Click on save options on top of form to save this attribute on account form.
- 4) Note: These changes will be reflected on all account forms of this service type (profile).

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:

- Tivoli Identity Manager administration
- Tivoli Directory Integrator management
- Tivoli Directory Integrations assemblyline development
- LDAP schema management
- Working knowledge of Java scripting language
- Working knowledge of LDAP object classes and attributes
- Working knowledge of XML document structure

Note: If the customization requires a new Tivoli Directory Integrator connector, the developer must also be familiar with Tivoli Directory Integrator connector development and working knowledge of Java programming language.

Tivoli Identity Manager Resources:

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

Tivoli Directory Integrator Resources:

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

Tivoli Identity Manager Adapter Development:

Adapter Development Tool

The Adapter Development Tool, ADT, is a tool used by IBM Tivoli Identity Manager (ITIM) customers and consultants to create custom TIM adapters. It reduces adapter delivery time by about 50% and it helps in the development of custom adapters. The Adapter development tool is available on the [IBM Open Process Automation Library](#) (OPAL).

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:

This adapter installs into Tivoli Directory Integrator and may be installed on any platform supported by the Tivoli Directory Integrator product. IBM recommends installing Tivoli Directory Integrator on each node of the Tivoli Identity manager WebSphere cluster and then installing this adapter on each instance. Supported Tivoli Directory Integrator versions include:

Tivoli Directory Integrator 6.1.1

Managed Resource:

VIOS partition on AIX 5.3

IBM Tivoli Identity Manager:

Identity Manager v5.0

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End of Release Notes