Release Notes

IBM

IBM® Tivoli® Identity Manager

Sybase Adapter

Version 5.0.3

Contents

Preface

Welcome to the IBM Tivoli Identity Manager Sybase 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 Sybase Adapter Installation and Configuration Guide

Adapter Features and Purpose

The Sybase Adapter is designed to create and manage accounts on a Sybase database. The adapter runs in "agentless" mode and communicates using Sybase APIs to the systems being managed.

IBM recommends the installation of this adapter in agentless mode (remote from the target system). A single copy of the adapter can handle multiple Identity Manager Services. The optimum 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	September 11, 2011
Adapter Version	5.0.3
Component Versions	Adapter Build: 5.0.1006 Profile: 5.0.1002 ADK: 5.17
Documentation	Sybase Adapter Installation and Configuration Guide SC23-6171-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
MR0105112957	Add support for the Sybase adapter on Windows 2008 64-bit.
	Items included in 5.0.2 release
MR063009291	Activating roles when creating a Sybase account.
MR071609660	Provide expanded error handling in the Sybase adapter to detect that the adapter's administration account has expired.
	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
		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	**Support on Windows 2008 64-bit** NOTE: The Sybase adapter still communicates to the managed resource using the 32 bit version of the Sybase APIs (the `libsybdb` library versus the `libsybdb64` library).
N/A	N/A	**Editing adapter profiles on UNIX or Linux** The adapter profile JAR file may contain ASCII files that were created with a MS-DOS ASCII format. For example, the `schema.dsml`, `CustomLabels.properties`, and `service.def` files. 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. If you are using the vi editor, you can strip out the ^M character as follow: From the vi's command mode: :%s/^M//g 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.)
N/A	N/A	**Using the Upgrade Option** 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. NOTE: After using the "Update Installation" option with a higher version of the adapter, an extra folder with name "_uninst2" is created. It can be ignored. To Uninstall the Adapter, use "_uninst" folder.
N/A	N/A	**Event Notification** Account status (Active/Inactive) might not be correctly updated on Identity Manager after an event notification.
		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...".

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.

Configuration Notes

The following configuration notes apply to this release:

New Features in the 5.0.2 Version of the Adapter

Sybase Adapter is enhanced to manage the active roles and display inactive roles if any after recon. After assignment of role (System as well as user defined roles) to user it will be active by default.

To support this enhancement schema of Sybase Adapter is extended.

Following new String attribute are defined in the `schema.dsml` file.

    i)   "erSybInactiveRoles" (OID: 1.3.6.1.4.1.6054.3.72.2.12)" added in the "erSybaseAccount" class.

A new label (Inactive Roles (Read Only)) is added for the "erSybInactiveRoles" attribute in the `CustomLabels.properties` file.

This attribute displays inactive roles for the user after reconciliation or user lookup. This is Read only attribute, do not provide any values during user add/mod operation. The attribute "Inactive Roles (Read only)" will only show inactive role list, you can activate this role from TIM modify operation by adding specified role to "Roles Assigned" attribute. After assigning inactive role, role is visible in both "Roles Assigned" and "Inactive Roles (Read only)" fields that means that role is active by default. To have TIM and resource in sync you will need to perform the reconciliation or user lookup operation.

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 Tivoli Identity Manager Support website 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 2003 Server Standard Edition 32-bit OS on x86 compatible CPU
> Windows 2003 Server Enterprise Edition 32-bit OS on x86 compatible CPU
> Windows 2008 Server Standard Edition 32-bit OS on x86 compatible CPU
> Windows 2008 Server Enterprise Edition 32-bit OS on x86 compatible CPU
>
> Windows 2008 Server Enterprise Edition 64-bit OS

Managed Resource:

> Sybase Adaptive Server Enterprise (ASE) v12.5 with Sybase Open Client v12.5
> Sybase Adaptive Server Enterprise (ASE) v15.0 with Sybase Open Client v15.0

IBM Tivoli Identity Manager:

> Identity Manager v5.0

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End of Release Notes