

Release Notes



IBM® Tivoli® Identity Manager Sybase Adapter

Version 4.6.2

Tenth Edition (December 11, 2009)

This edition applies to version 4.6 of this Adapter 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 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 Configuration and Installation Guide

Adapter Features and Purpose

The Sybase Adapter is designed to create and manage Sybase database accounts. IBM recommends the installation of this Adapter on a Windows 2000, Windows 2003 or XP workstation with connectivity to the Sybase database. Typically, one adapter is installed to manage multiple Sybase databases. The optimum deployment configuration is based, in part, on the configuration of your Sybase databases, but the primary factor is the planned structure of your Identity Manager Provisioning Policies and Approval Workflow process. Please refer to the Identity Manager Policy, Organization & Administration Guide for a discussion of these topics.

The Sybase Adapter is a powerful tool that requires Administrator Level authority. The Adapter operates much like a human system administrator, creating accounts and assigning privileges. 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 permissions.

Contents of this Release

Adapter Version

Component	Version
Release Date	December 11, 2009
Adapter Version	4.6.2 (build 4.6.1004)
Comm. Libraries	ADK v4.803
Documentation	Sybase Adapter Installation and Configuration Guide v4.6.0 SC32-1161-04

New Features

Enhancement # (FITS)	Description
	Items included in current release
MR063009291	Activating roles when creating Sybase account
MR071609660	Provide expanded error handling in Sybase adapter to detect the adapter's admin account has expired.
	Items included in 4.6.1 release
MR0523075635	Enhance Sybase adapter to allow the User ID with a default other than Master. NOTE: Important installation notes pertaining to this enhancement. 1. Uninstall Sybase adapter if present before installing the latest version. 2. The latest profile must be imported. Make sure that the fields in service form; "Sybase Server Name", "Sybase User ID" and "Sybase User Password" are populated with appropriate values. In previous releases, these values were read from the adapter registry. From this release onwards, these parameters are moved to service form.
	Items included in 4.6.0 release
	None.

Closed Issues

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

Known Issues

DevTrack	APAR#	PMR# / Description
		None

Installation and Configuration Notes

See the IBM Tivoli Identity Manager Sybase 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 corrections to the Installation Guide apply to this release:

7.1 Defining Sybase Server Names -----

For every Sybase Server the Agent will manage, you must use the Sybase 'sdedit' utility to define the Sybase Server name.

You will need:

- Sybase Server Name
- Server IP Address
- Server Port Number

The MAXIMUM number of Sybase Servers that the Agent can manage is 1000.

7.2 Defining Sybase Server Names for the Agent -----

For every Sybase Server that the agent will manage, you must add it to the Agent configuration. You can enter the Server Names during installation, or you can use either the serverCfg or agentCfg utility to define the Service Names. The serverCfg allows you to test the connection to Sybase and has an easier user interface than the agentCfg utility.

For each server name, you must provide a Sybase Account and Password. The Agent will use this account to connect the Sybase server. The Sybase Account must have the following Sybase roles:

- SA_ROLE
- SSO_ROLE
- OPER_ROLE

7.2.1 serverCfg Utility

This is the preferred way to add, modify, delete, view and test the Sybase Server Names. The serverCfg utility is located in the Agent's bin directory. To start the utility, type serverCfg at the command line.

You must re-start the Agent after any additions, deletions, and

modification.

Refer to the installation guide for a complete description of all the options.

7.2.2 agentCfg Utility

Although the serverCfg is the preferred way to define server name, agentCfg is described here as well. One advantage of agentCfg is that you do not need to re-start the Agent to reflect any additions, deletions, and modification. For every Sybase Server name that was defined in the Sybase interfaces file, you must supply the username and password. This is the username that the agent will use to connect to Sybase for that particular Sybase Server.

7.2.2.1 Username Setup for Sybase Server

The user name is defined using the agentCfg utility. From the main menu of the agentCfg utility, select E (Registry Settings), then select A (Modify Non-encrypted registry settings), and then select A (Add new attribute). You are prompted to enter 'Registry item name:' This is the attribute name the Agent will look for. You MUST use SybServerX (where X a number greater than 0), for example, for the first Sybase Server use SybServer1.

You are then prompted to enter 'Registry item value:'

This is the value the Agent will use. You must enter it in the following format:

ServerName:UserName

ServerName is the Sybase Server name
UserName is the user name that the agent will use to connect to Sybase for that particular Sybase server.

NOTE: The Server Name is case sensitive.

7.2.2.2 Password Setup for Sybase Server

The password for the Sybase Server is defined using the agentCfg utility.

From the main menu of agentCfg, select E (Registry Settings), then select B (Modify encrypted registry settings), and then select A (Add new attribute).

You are prompted to enter 'Registry item name:'

This is the attribute name the Agent will look for.

You MUST use SybServerXPasswd (where X a number greater than 0), for example, the first Sybase Server Password use SybServer1Passwd.

The SybServerXPasswd corresponds to the SybServerX you entered in when defining the user name for the Sybase Server (section 3.2.1), for example SybServer1Passwd is the password for SybServer1, SybServer 2Passwd is the password for SybServer 2 and so on.

You are then prompted to enter 'Registry item value:'

This is the password for the username you entered in Section 7.2.2.1. You are prompted to enter it twice for verification.

7.3 Saving Sybase Server Names During an Upgrade

During installation, the install script will read the existing defined Server Names from the Agent configuration registry. If you are planning to install this agent and you need to use the existing Server Names, DO NOT un-install the Agent prior to installation.

7.4 Defining a User's Access and Roles

Syntax for specifying user's access and roles on the Database Access tab of the Agent's Service Form:

Roles: dbname:role:rolename i.e. pubs:role:db_owner
Access: dbname:user:public:userid i.e. pubs:user:public:jsmith

7.5 Double-Byte Character Set Support

- 1) Agent Supports Unicode Features only when Sybase is installed UTF-8 as the default character set.
- 2) Attributes in ServerCfg like Sybase Service Name, Sybase Account and Account Password are not DBCS Enabled
- 3) When Sybase is not configured with UTF-8 character set and if Unicode Values are processed then the following could happen
 - i) Attributes like UserId, Full Name and Password if added or modified will not be stored properly by the server. This will lead to Invalid data.
 - ii) Application will be terminated if any Unicode value is found in Database Name. Will require to Restart Agent. [As DB-Library hangs in this case, agent terminates the application]
- 4) Attribute Values of UserId, FullName and Password are restricted in length. The maximum length depends on the Language used.
[For English, 30 characters are accepted]

New Features in the 4.6.2 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 schema.dsml,

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

A new label (Inactive Roles (Read Only)) is added for "erSybInactiveRoles" attribute in 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.

Supported Configurations

Installation Platform

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

Adapter Installation Platform:

- Windows 2000 Server or Workstation
- Windows XP Workstation
- Windows 2003 Server

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:

- ITIM 4.6.0 or later

IMPORTANT NOTE:

This Adapter manages Sybase installed on any platform but the Adapter must be installed on Windows.

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End of Release Notes