# Release Notes

**IBM**®  **Tivoli**® **Identity Manager**

## Authentication Manager (ACE) Adapter

*Version 5.0.1*

**First Edition (December 7, 2007)**

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

# Contents

# Preface

Welcome to the IBM Tivoli Identity Manager RSA Authentication Manager (ACE) 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 RSA Authentication Manager (ACE) Adapter Installation and Configuration Guide

# Adapter Features and Purpose

The RSA ACE Adapter is designed to create and manage accounts on Authentication Manager. The adapter runs in "agent" mode and must be installed on the Authentication Manager server. The adapter communicates using the ACE API to the systems being managed.

The adapter must be installed on the Authentication Manager (ACE) system being managed. A single copy of the adapter can handle one Identity Manager Service. 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 | December 7, 2007 |
| Adapter Version | 5.0.1 |
| Component Versions | Adapter Build 5.0.1000<br>Profile 5.0.1000<br>ADK 4.69 |
| Documentation | RSA Authentication Manager Adapter for Unix Operating Systems Installation and Configuration Guide  SC23-6166-00 |

## *New Features*

| Enhancement # (FITS) | Description |
|---|---|
|  | **Items included in current 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 |
|-------|-------|---------------------|
| N/A | N/A | Editing adapter profiles on UNIX or Linux.<br><br>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.<br><br>If you are using the vi editor, you can strip out the ^M character as follow:<br><br>From the vi's command mode:<br><br>:%s/^M//g<br><br>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 | CertTool<br>After using CertTool, an empty file with name <AdapterName>.dat gets created. This file can be safely removed or ignored. |
| N/A | N/A | FIPS Mode<br>FIPS security mode is not supported in this release of the adapter. |
| N/A | N/A | Event Notification of Groups<br>During event notification, add request for GroupEntries with length of more than 120 characters are created but ADK fails to insert the entry into Event Notification Data Base. |
| N/A | N/A | Event Notification<br>Account status (Active/Inactive) might not be correctly updated on Identity Manager after event notification. |
| | | This adapter does not use an xforms.xml file.<br>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:

Required Environment Variables

For use on AIX the following environment variables must be set before installing this adapter:
1. ACE=`dirname $USR_ACE`
2. DLC=$ACE/rdbms/
3. PROMSGS=$DLC/promsgs
4. PATH=$USR_ACE:$DLC/bin:$ACE/utils:$ACE/utils/oldutil:$PATH
5. PROPATH=$USR_ACE/proapi/adbapi.pl:$USR_ACE/protrig:$USR_ACE/proapi:$USR_ACE
6. LIBPATH=$USR_ACE:$LIBPATH

## *Configuration Notes*

The following configuration notes apply to this release:

NOTE:  The account, which the Agent will run from, must comply with the following:
- The Agent account must have full permissions on the directory that contains the ACE/Server software.
- The Agent account must be registered in the ACE/Server database with administrator role.

Maximum Token Limit:

The ACE/Server limits the number of tokens to three.  When assigning a password to a user, the ACE/Server will treat that as a special token, hence, the available numbers of tokens will become two.

Assigning Password:

When applying (assigning) a Password to a user, the Agent must receive the following:

a)  The password, passed in the Password attribute.
b)  Duration of the password is valid, passed in two attributes:

- Days attribute (number of days password is valid).
- Duration attribute (number of hours password is valid).
c) PasswordToken attribute MUST be set to YES.

Suspend/Restore a User:

Suspending a user implies that all the user's tokens will be disabled.
Restoring a user implies that all the user's tokens will be enabled.

Using the User Extension Data Feature

The user extension data is a key-data pair and must follow these conventions:

Key:    Name for the extension data field. The key can be up to 48 characters.
        If key contains a colon (":") then it must be escaped with "\".
        The key may not contain " , " as this sequence is used by Ace Server while returning
        The key-data pair.

Data:   Data that you want to store in this field. The value can be up to 80 characters.

Format: The key-data pair must be separated by ":"
        Example  "key1:value1" where key=key1 and data=value1.

# 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:
        AIX       5.2, 5.3


Managed Resource:
        RSA Authentication Manager v6.1


IBM Tivoli Identity Manager:
        Identity Manager v5.0

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