Release Notes

IBM

IBM® Tivoli® Identity Manager

Universal Provisioning Adapter

Version 5.1.2

Contents

Preface

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

Adapter Features and Purpose

The Universal Provisioning Adapter is a communication (e-mail) medium. The email is sent to a human administrator that will execute the actual manual provisioning task. The human then responds to the email with "success" or "failure" to complete the process and record the status in Tivoli Identity Manager.

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.

Service Groups Management

The ability to manage service groups is a new feature introduced in TIM 5.1. By service groups, TIM is referring to any logical entity that can group accounts together on the managed resource.

Managing service groups implies the following:

Create service groups on the managed resource.
Modify attribute of a service group.
Delete a service group.

Note that service group name change is not supported in TIM 5.1 release.

The UPA adapter does not support service groups management.

Contents of this Release

Adapter Version

Component	Version
Release Date	June 14, 2010
Adapter Version	5.1.2
Component Versions	Adapter Build 5.0.1015 Profile 5.0.1004 ADK 5.16
Documentation	Universal Provisioning Adapter Installation and Configuration Guide SC23-9657-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
	None
	Items included in 5.1.1 release
	Initial release for Tivoli identity Manager v5.1

Closed Issues

Internal#	APAR#	PMR# / Description
		Items closed in current version
	IZ75751	00311,SGC,740 Documentation error: UPA adapter does not support attributes longer than 1024 characters in length. This limitation is not described in the UPA Adapter Installation and Configuration Guide. This version of the adapter is a documentation update only. No binaries have been updated. The adapter does not need to be reinstalled.
		Items closed in 5.1.1 version
	N/A	N/A Updated release notes. Added information on installation platforms and installing SSL certificates on Win 2008.

Known Issues

Internal#	APAR#	PMR# / Description
	N/A	**UPA Attribute Length Limitations** The UPA adapter does not support attributes longer than 1024 characters.

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:

Upgrading from v5.0 to v5.1

No additional steps are needed to install the 5.1 version of the UPA adapter on an existing 5.0 adapter version. However, you must import the 5.1 service type (profile) version after installing the adapter.

Upgrading to ADK v5.14 or higher

Note: Updating the adapter to higher versions than 5.0.1007 or Updating ADK to higher versions than ADK514 requires following steps to be verified in order to avoid loss of pending transactions in adapter database files. Latest versions of adapter and ADK use different mechanism to store transactions which is not compatible with earlier versions.

1. Navigate to <Agent_Install_Location>\<Agent_Name>\bin through Command Prompt.

2. Run "IsamTool.exe" with the following arguments

    a. IsamTool.exe -file <Agent_Install_Location>\<Agent_Name>\data\transactionlog.dat -dump -format ENTRY

    b. IsamTool.exe -file <Agent_Install_Location>\<Agent_Name>\data\ ResponseMail.dat -dump -format ENTRY

    c. IsamTool.exe -file <Agent_Install_Location>\<Agent_Name>\data\ notifyretry.dat -dump -format ENTRY

There should not be any entries in transactionlog.dat, ResponseMail.dat and notifyretry.dat databases. All the transactions, if listed, must be completed before proceeding with next steps.

3. Stop the adapter service.

4. Navigate to <Agent_Install_Location>\data delete the files transactionlog.dat, ResponseMail.dat and notifyretry.dat.

5. Update Adapter and /or ADK with the required higher version.

6. Start the adapter service.

Configuring SSL authentication on Windows 2008

Correction to Chapter 6: Configuring SSL authentication for the adapter support for Windows 2008. When using Windows 2008 as an installation platform, and running the adapter in SSL mode, follow the steps below to install the certificate.

1. Disable UAC security (User Account Control).
2. Install the required Certificate.
3. If required, enable UAC security.

Additional information in how to enable/disable the UAC, see Microsoft product documentation or visit http://en.wikipedia.org/wiki/User_Account_Control

Configuration Notes

The following configuration notes apply to this release:

Replying to the Universal Provisioning Adapter Email
The subject line for the reply email needs to contain the same transaction ID as the adapter sent in the original email. The subject line must also contain a keyword (e.g., "Fail" or "Success", which are case insensitive) describing the status of the request. Only one reply mail will be generated per request. If the reply mail does not meet the conditions previously specified, it will be disregarded and deleted. The keywords in the body of the message can be cut and pasted to the message line before replying to the e-mail. They do not have to be typed in.

In the case where multiple replies are received per one request, the adapter processes only the first reply and ignores all subsequent replies. This situation can happen if the original request went out to multiple recipients.

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 2003 server   Enterprise Edition on x86 compatible CPU
        Windows 2008 server   Enterprise Edition on x86 compatible CPU

        -- with (select one) --

        MAPI compliant mail client (such as Microsoft Exchange Client or Microsoft Outlook)
        Microsoft outlook v2003, v2007
        Outlook Express v6.0
        Lotus Notes Client v7.0, v8.0

Managed Resource:
        N/A (Universal Provisioning Adapter is a communication adapter)

IBM Tivoli Identity Manager:
        Identity Manager v5.1

Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.
IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

```
IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY  10504-1785  U.S.A.
```

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

```
IBM World Trade Asia Corporation
Licensing
2-31 Roppongi 3-chome, Minato-ku
Tokyo 106-0032, Japan
```

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged should contact:

```
IBM Corporation
2ZA4/101
11400 Burnet Road
Austin, TX 78758  U.S.A.
```

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement, or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Trademarks

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

IBM
IBM logo
Domino
Lotus
Notes
Tivoli

Adobe, Acrobat, Portable Document Format (PDF), and PostScript are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, other countries, or both.

Cell Broadband Engine and Cell/B.E. are trademarks of Sony Computer Entertainment, Inc., in the United States, other countries, or both and is used under license therefrom.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT®, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel®, Intel logo, Intel Inside®, Intel Inside logo, Intel Centrino™, Intel Centrino logo, Celeron®, Intel Xeon™, Intel SpeedStep®, Itanium®, and Pentium® are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a trademark of Linus Torvalds in the U.S., other countries, or both.

ITIL® is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

IT Infrastructure Library® is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

Other company, product, and service names may be trademarks or service marks of others.

End of Release Notes