

Release Notes



IBM® Tivoli® Identity Manager Universal Provisioning Adapter

Version 5.0.3

First Edition (June 14, 2010)

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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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.

Contents of this Release

Adapter Version

Component	Version
Release Date	June 14, 2010
Adapter Version	5.0.3
Component Versions	Adapter Build 5.0.1007 Profile 5.0.1003 ADK 5.11
Documentation	Universal Provisioning Adapter Installation and Configuration Guide SC23-6174-00

New Features

Enhancement # (FITS)	Description
	Items included in current release
	None
	Items included in 5.0.2 release
	None
	Items included in 5.0.1 release
	Initial release for Tivoli identity Manager v5.0

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 5.0.2 version
	IZ14772	35066,740,740 Code page conversion incorrect. Garbage characters are returned in mail body while replying to the mail.
	IZ14790	35067,740,740 Adapter stops unexpectedly after "VIM session failure" error occurs when using Notes mail client.
	IZ34898	35111,740,740 Error "Fail to Open Inbox" occurs if the Domino server is restarted. Remedy is to restart the adapter.
	N/A	35080,740,740 Failed to open VIM session during high load conditions.
	N/A	PMR 08221,999,618 Documentation updates See "configuration section" of this document for additional information.
	N/A	PMR 40596,693,693 Universal Provisioning adapter is unable to send out the mails. Created UPA_MailClients.doc to describe the required setup of the email client for Notes or Exchange.

Known Issues

Internal#	APAR#	PMR# / Description
N/A	N/A	<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>
N/A	N/A	Universal Provisioning Adapter does not support double-byte character sets.
N/A	N/A	Outlook 2003 has tightened security. The Universal Provisioning Adapter adapter appears as a "mail bot" to Outlook 2003 and may be prevented from sending mail. Please see the Outlook Security Settings document packaged with this adapter. If you experience problems, Outlook 2000 is recommended.
N/A	N/A	When used with asynchronous profiles, Identity Manager reflects the request status as "success" even if the final response returned by adapter is "failure." (Server-side issue)
		<p>UPA ADAPTER SCALE LIMITATIONS</p> <p>The Asynchronous Universal Provisioning Adapter is a low volume Adapter. The maximum response processing time for all the pending requests for which the response mail has been received is one minute. If the response is not processed in one minute, that particular transaction might be sent back as failure to ITIM after Request_Duration time is reached.</p> <p>Note: Transactions are never lost in this entire process.</p> <p>Refer Universal Provisioning Adapter installation guide for information on "Request_Duration" setting.</p>

Internal#	APAR#	PMR# / Description
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 "Update Installation" option with higher version of Adapter, an extra folder with name "_uninst2" is created. It can be ignored. To Uninstall the Adapter, use "_uninst" folder.
	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.

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.

NOTE: Exchange email client (Outlook) Security Pack is not supported by this adapter. The security patch introduces a “popup” warning message that warns when programs attempt to send mail through the client. Please contact Microsoft for instructions on turning off this security warning.

Configuration Notes

The following configuration notes apply to this release:

WARNING: Do not share the email account with the adapter since the adapter will delete all messages in its email inbox as part of its cleanup process. And if you are using Lotus Note, the adapter will delete all messages in its email inbox, sentbox, trash and all documents folders.

NOTE: This version does not support Batch mode, since batch does not allow users to reply via email.

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.

UPA ADAPTER SCALE LIMITATIONS

The Asynchronous Universal Provisioning Adapter is a low volume Adapter. The maximum response processing time for all the pending requests for which the response mail has been received is one minute. If the response is not processed in one minute, that particular transaction might be sent back as failure to ITIM after Request_Duration time is reached.

Note: Transactions are never lost in this entire process.

Refer Universal Provisioning Adapter installation guide for information on "Request_Duration" setting.

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

-- with (select one) --

MAPI compliant mail client (such as Microsoft Exchange Client or Microsoft Outlook)

Lotus Notes Client

Managed Resource:

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

IBM Tivoli Identity Manager:

Identity Manager v5.0

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