

Release Notes



IBM® Tivoli® Identity Manager

Lotus Notes Adapter

Version 5.1.17

First Edition (December 12, 2014)

This edition applies to version 5.1 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 Lotus Notes 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 Lotus Notes Adapter Installation and Configuration Guide

Adapter Features and Purpose

The Lotus Notes Adapter is designed to create and manage Domino accounts. The Adapter runs in “agentless” mode and uses the Lotus Notes Administrator Client software to manage a single Domino domain. The adapter supports multiple mail servers, a single Registration server and multiple Lotus Same-Time servers.

IBM recommends running the adapter in agentless mode; installation on the Domino server is not recommended. 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 Notes adapter supports service groups management.

Contents of this Release

Adapter Version

Component	Version
Release Date	December 12, 2014
Adapter Version	5.1.17
Component Versions	Adapter Build 5.1.17 Profile 5.1.10062008 ADK 5.28
Documentation	Lotus Notes Adapter Installation and Configuration Guide SC23-9633-00 Lotus Notes Adapter User Guide SC23-9634-00 Notes Shuttle Administration Guide Notes Shuttle White Paper Silent Installation Reference

New Features

Enhancement: DevWorks Id (RFE)/MR#	Description
	Items included in current release
49408,800,624	Test Connection will not trigger group reconciliation
	Items included in 5.1.15 release
35948 (20949)	ITIM Notes Adapter needs to be notes cluster aware
17095 (7337)	Notes: Support for RequestRename/MoveInHierarchy combined adminp request type.
	Support for Sametime 9
	Items included in 5.1.14 release
33516 (19357)	Support for Notes/Domino 9 in Tivoli Identity Manager
30427 (17381)	ITIM 5.1 - Support for reconciliation of Domino groups having multiple values in the description attribute of a group (this enhancement applies to ISIM 6.0 as well)
23244 (11649)	Comment Field for Lotus Notes and TIM Notes are not identical for the length of the field. (Please see 'Installation and Configuration Notes' section.)
17056 (7300)	Notes: Enhance Notes Adapter to support unlocking webmail for account
	Support for Windows Server 2012 and Windows 8
	Installer upgraded to InstallAnywhere 2011 SP4
	Items included in 5.1.13 release
17112 (7354)	Notes: ITIM Lotus Notes Adapter Sametime 8.5.x support
17100 (7342)	Notes Adapter nested groups membership management
	Items included in 5.1.11-5.1.12 release
	None
	Items included in 5.1.10 release
	Adapter support for Lotus Notes 8.5.3 and Lotus Domino 8.5.3
	Adapter support for Lotus Notes 8.5.2
	Items included in 5.1.9 release
MR0322111637	Ability to create two replica mail files.
	Items included in 5.1.8 release
MR0214114828	Adapter support for Lotus Domino 8.5.2
MR0902101826	ITIM Lotus Notes Adapter 5.0.x with Notes Domino 8.5.2
MR1221104359	Notes Adapter throws ERROR when suspend request for account that is already suspended.
	Items included in 5.1.7 release
MR0702092650	Create new Notes Adapter DeleteGroup with same membership as previous group (DeleteGroup) 'group' membership. (Child groups)

	See "Configuration Notes" for more information.
	Items included in 5.1.6 release
MR0702092650	Create new Notes Adapter DeleteGroup with same membership as previous group (DeleteGroup) 'group' membership. Notes Adapter will be able to preserve the parent child relationship of the newly added Delete Groups. See additional information in the Configuration Notes section of this document.
	Items included in 5.1.5 release
MR0325102357	TIM 5.0 Notes Adapter support on Windows 2008, 2008 R2, Vista and Windows 7 Note: several limitations exist. Please see "Configuration Notes" section of this document.
MR1218092647	The notes suspend requests performance improvements
	Items included in 5.1.4 release
	None
	Items included in 5.1.3 release
MR012909148	Notes: adapter to support ID vault, new feature in 8.5 Domino.
MR040309323	Notes: Updated TIM adapter for Lotus Notes v8.5 ID Vault capability.
	Items included in 5.1.2 release
	None
	Items included in 5.1.1 release
	Initial release for TIM v5.1

Closed Issues

Internal#	APAR#	PMR# / Description
		Items closed in current version
107892	IV59593	Move user without certifier causes agent to crash
104789	IV56473	Silent install does not populate all Windows registry items
110617	IV56525	Adapter clears cert expiration time value when moving user to new ou
107892	IV60280	Adapter reconciliation fails with insufficient memory
		Items closed in 5.1.16 version
102086	IV53452	Notes Adapter 5.1.1015- Saving of Person Document fails because of a race between adapter and Domino server.
102085	IV53290	Notes Adapter crashes when performing reconciliation containing explicit policies
102084		Notes Adapter - Installer fails to register the service on Win 2008 R2 systems
77662		Notes Adapter fails to restart when restarted from Windows Services administrative tool.
		Items closed in 5.1.15 version
97163	IV50807	Date conversion to string loses millisecs
94482	IV47863	Date/Time format when using Notes Admin Client in a non-US language
92459		Print error information for certificate errors during password change
		Items closed in 5.1.14 version
RTC 85750		Notes Adapter crashes while checking for mail template file
RTC 85097	IV40447	Notes adapter crashes during recertification operation
RTC 81647	IV40039	Notes adapter on Windows 2008 R2 crashes while creating account
		Items closed in 5.1.13 version
RTC 75743	IV36048	Request to Notes Adapter that only includes postexec or preexec attribute will end with failure status
RTC 75744		Dialog pops up during Notes adapter upgrade install
RTC 76934	IV36974	ITIM Lotus Notes Adapter crashes with nsd (Access_violation)
		Items closed in 5.1.12 version
RTC 67869	IV27562	Notes Adapter Passwords shown in clear text in agent install log
RTC 69847		Notes Adapter unable to create multiple replica mail files on Domino Mail server
RTC 69848		Notes Adapter does not default to a mail system if the mail system attribute is not specified
RTC 69920	IV28265	The erNotesReplServerName attribute is suppose to be multi-value in adapter schema
RTC 69942		Notes Adapter prepends "Repl_" to replica mail filename
RTC 70835		Notes Adapter crashes on modification of a Custom Attribute with an empty/null value
		Items closed in 5.1.11 version
RTC 62417	IV24100	The Recon Crashes 5.1.10 adapter

		Items closed in 5.1.10 version
RTC 46812	IV08738	Creating User mailfile in preferred language which is different from the default template. 1. Make sure the required Domino language packs are installed. 2. Specify the correct translated template during user registration.
RTC 52402	IV10550	Upgrade from NotesAdapter 5.1.7 to 5.1.9 doesn't work.
RTC 51256	IV13289	Removing roaming subfolder on user delete. The adapter registry setting must be modified so that "Execute AdminP Operation=TRUE"
RTC 55033	IV16871	Notes Agent crash when request sent to it.
RTC 52192	IV15381	Add user with do not add to NAMES.NSF does not work if roaming is enabled in the add request The fix is the revision of fix for APAR IZ98608.
		Items closed in 5.1.9 version
	IV04638	Notes adapter creating duplicate groups for groups that include / (forward slash)
	IV03409	Notes Adapter error message "Unable to reset password in the ID Vault..." incorrect.
		Items closed in 5.1.8 version
	IZ94372	Generic exception with Notes provisioning
	IZ95316	NOTES ADAPTER LEAKS MEMORY DURING RECON
	IZ96851	Icelandic characters in user name
	IZ98608	Using vault but ID is added to NAMES.NSF during add
	IZ98979	Notes adapter replaced Last Name With Full Name during failed change password
	IZ89295	Invalid CustomEruid example in "Lotus Notes Adapter User Guide" document
	IV01106	Notes Adapter Silent install issue
RTC 37040		Remove Notes 6.5 and 7.0 support from Notes Adapter Installer
RTC 38884		Notes Adapter crashes on Recon when "Attributes to Recon" registry key is set
		Items closed in 5.1.7 version
	IZ84392	00423,SGC,740 - Notes adapter provisioning returns erroneous file does not exist error when the mail file path does not exist.
	IZ89256	16952,999,866 - Notes adapter NameAndAddressBook and NameIDSAddressBook issue.
	IZ89285	00448,SGC,740 - Notes Adapter ernotesmemberofgroups not reconciled
		Items closed in 5.1.6 version
	IZ84392	00423,SGC,740 Notes adapter provisioning returns erroneous file does not exist error when the mail file path does not exist

	IZ89256	16952,999,866 Documentation on Notes adapter NameAndAddressBook and NameIDSAAddressBook are not clear. These two configuration items must point to different address books.
	IZ89285	00448,SGC,740 Notes Adapter ernotesmemberofgroups not reconciled
		Items closed in 5.1.5 version
		None

INTERNAL#	APAR#	PMR# / Description
		Items closed in 5.1.4 version
	IZ65731	<p>09936,122,000 - Notes Adapter does not set "Member of Group" for a person doc only user (Web user).</p> <p>When a web user was created from ITIM and assigned a group membership during user creation the "ermemberofgroup" attribute is not set.</p> <p>Hence the user is created but does not get added in the particular group membership.</p>
	IZ65639	<p>50474,227,000 - Notes adapter does not return proper status for users in Suspend Group(s) during filter recon.</p> <p>Previously, Notes adapter did not return proper status for users which are part of Suspend Group other than Suspend Group specified in the registry key.</p> <p>For example, adapter registry key "Suspend Group = SuspendGroup" and few more suspend groups exists on resource like SuspendGroup1, SuspendGroup2, etc.</p> <p>Adapter used to return incorrect eraccountstatus for users present in SuspendGroup1, SuspendGroup2, etc. This issue was only reproduced during lookup operation.</p>
36963		<p>N/A</p> <p>Notes adapter returns Suspend HTTP password group during user lookup operation with improper user account status.</p> <p>During user lookup operation Notes adapter returned Suspend HTTP password Group as member of group.</p> <p>It also returns incorrect account status for users present in Suspend HTTP password group.</p>
36964		<p>N/A</p> <p>Notes adapter returns Delete Group during user lookup operation</p> <p>During user lookup operation Notes adapter returns Delete Group as member of group.</p>
36965		<p>N/A</p> <p>Unnecessary group is created when group is deleted from user's group membership from ITIM.</p> <p>Unnecessary group was created when a group does not exist on resource and if the same group is tried to be deleted from group membership of the user from ITIM</p>

INTERNAL#	APAR#	PMR# / Description
		Items closed in 5.1.3 version
	IZ56219	78984,021,724 - Notes adapter was not releasing memory.
		Items closed in 5.1.2 version
	N/A	N/A Corrections to release notes. Updated ZIP contents to include the Shadow Adapter
		Items closed in 5.1.1 version
		None

Known Issues

INTERNAL#	APAR#	PMR# / Description
	IV59517	<p>The adapter works in single thread regardless of thread count setting in agentCfg</p> <p>The "Modifying advanced settings" section of the installation guide to change the adapter thread count is not applicable to the Lotus Notes adapter. Due to limitations in Notes API, the adapters runs in single thread mode only. Any thread count settings changes are ignored by the adapter.</p>
		<p>Cluster awareness in Notes Adapter</p> <p>Due to the limitation in Notes API, following operations will fail if the primary registration server becomes unavailable:</p> <ol style="list-style-type: none"> 1. Registering a user. This applies to users with an ID file. A 'PersonDocOnly' user can still be added. 2. Changing password in ID vault.
RTC 77662		<p>Notes Adapter may fail to restart when restarted from Windows Services administrative tool.</p> <p>Following steps can be used if Notes Adapter fails to restart:</p> <ol style="list-style-type: none"> 1. First Stop the "Tivoli Lotus Notes Agent" service. 2. Wait for about 2-3 Minutes and then Start the service. 3. If above doesn't work., then the machine can be rebooted.
RTC 55034		<p>User not added to vault when notes explicit policy allows it.</p> <p>This a Notes related issue (SPR MSKA8R8JWK). Following workaround will, however, work in the interim:</p> <ol style="list-style-type: none"> 1. In the Domino Admin Client, open the Registration Settings for the explicit policy. Edit Settings. 2. Click on the 'Miscellaneous' tab. In the 'Group Assignments' list select any group. E.g. LocalDomainAdmins. Save the settings. 3. Register a new user with the explicit policy.
RTC 55036		<p>Password Hash not secure with ITIM/Lotus.</p> <p>This is a Notes related issue. Upgrading to Notes version 8.5.2 or 8.5.3 will fix the issue.</p>
	IV11894	<p>Incorrect status on Delete operation for restricted authority</p> <p>The Notes ID used by the adapter must have full administrative authority; this is the only supported configuration. If this account does not have authority to delete domino accounts, the adapter may return a "warning" status, which will be interpreted by the TIM server as a "success" (TIM does not recognize "warning" as a valid status on a Delete).</p>
		<p>Notes 8.5 Support</p> <p>Please see Shuttle Release Notes for information on support for Notes 8.x.</p>
		<p>Important Configuration Notes:</p> <p>Notes 8.5.1 Client is not Supported</p>

		<p>Remote Desktop is not allowed Using Remote Desktop to accessing the machine on which the Notes client and adapter are installed may lead to instability and random crashes.</p> <p>Do not open the Notes Client If the notes client is opened, the adapter machine must be completely rebooted. Especially important Win2008 systems.</p> <p>ID File must be unique Adapter must have its own ID File. It cannot be shared with any other running copy of the adapter or any Notes user.</p> <p>VMware is not supported After resolving all the above issues, if problems remain, the adapter may need to be run on a physical machine. Lotus does not support the Notes client on VMware.</p>
		<p>Class 3 Certificates Class 3 Certificates (class 3 secure server CA-G2) are not written properly to "DamIACerts.pem" file through CertTool.exe Utility. The certificate data is written twice between BEGIN CERTIFICATE and END CERTIFICATE.</p> <p>Work around: To correct this issue, please follow the below steps and edit "DamIACerts.pem" file present in "<Adapter installation path>\data" folder.</p> <p>Step 1. Start the CertTool utility</p> <p>Step 2. Import the class 3 CA certificate by using "F" option from the main menu of CertTool Utility.</p> <p>Step 3. Once the class 3 CA certificate is successfully installed, open "DamIACerts.pem" file stored in the "<Adapter installed path>\data" folder using text editor.</p> <p>Step 4. Delete the class 3 CA certificate data (i.e. content between BEGIN CERTIFICATE and END CERTIFICATE) from "DamIACerts.pem".</p> <p>Step 5. Open class 3 CA certificate file using text editor and copy the certificate data (between the BEGIN CERTIFICATE and END CERTIFICATE)</p> <p>Step 6. Paste the certificate data to "DamIACerts.pem" file between the BEGIN CERTIFICATE and END CERTIFICATE lines of same class 3 CA Certificate. If more than one class 3 certificates are installed then you can identify the certificate using issuer and subject data.</p> <p>Step 7. Save "DamIACerts.pem" file.</p> <p>Step 8. To verify the "DamIACerts.pem" file is edited properly, display certificate information by using option "E" from the main menu of CertTool Utility.</p> <p>Note:</p>

		<p>Please note that this issue is seen after installing class 3 CA certificate. If you correct the DamlCACerts.pem and then install another class 3 CA certificate, the newly installed class 3 CA certificate will show same issue.</p> <p>This issue is also seen when you delete any certificate using option "G" from the main menu of CertTool utility. The delete option will affect all remaining class 3 CA certificate and you have to follow step 1 to 8 to correct the DamlCACerts.pem file.</p>
		<p>Limitations of "Comments" attribute for Group:</p> <ol style="list-style-type: none"> 1. This attribute is supported with text data only. 2. You can manage this attribute from Adapter only <p>In following cases, "Comments" attribute will not be supported by Adapter:</p> <ol style="list-style-type: none"> 1. Once the value of this attribute is modified/cleared from Resource 2. Any file is attached on "Comments" tab of the Group Document on Resource
		<p>Using Blank or Custom Template for Shadow DB PMR 64324,227,000 - Issue with Notes Adapter when Blank\Custom template is used to create shadow database.</p> <p>Work Around : The new enhanced search logic in NotesAgent uses some specific views while searching on any database. The default database "names.nsf" used by adapter, already has these views. If there is a need to use some other database, such as the case of Shadow Database, then make sure that the new database is created from a template which has the needed views. If the template doesn't has the needed view, then copy them from pernames.ntf and paste them to the template being used. If the database(which is going to be used) already exists and it doesn't has the necessary views, then copy the necessary views from pernames.ntf to this Database and then use it.</p> <p><u>Steps to add the view :</u></p> <ul style="list-style-type: none"> • Open the template "pernames.ntf" in the Lotus Domino Designer. • Expand the list of all views in that template. • Copy the view named "\$Users". • Open the template or database which needs to be modified. • Go to views, right click and select paste. • You can see that the view gets added to that list. <p><u>Views which need be copied :</u></p> <ul style="list-style-type: none"> • "\$Users". • "\$RegisterGroups". • "\$Servers".

Installation and Configuration Notes

See the IBM Tivoli Identity Manager Adapter Installation Guide” for detailed instructions.

Make sure the certlog.nsf is available on server which handles move user request

The adapter will fail the adminP MoveUser request if the certlog.nsf is missing on the server that handles the move request. The domino document on certlog states : "Create a replica of the Certification Log on every server that is a registration server and on every server that stores a Domino Directory that is used for user management -- for example, renaming and recertifying users. If the server whose Domino Directory replica you are using does not have a Certification Log, user-management actions will fail."

Corrections to Installation Guide

The following corrections to the Installation Guide apply to this release:

Upgrading to ADK v5.14 or higher

When upgrading to from an earlier version of the adapter to a version with ADK v5.14 or higher, the Event Notification file (<eventContextName>.dat) must be manually removed. The file will be recreated automatically when the first full Recon is run.

Configuration Notes

The following configuration notes apply to this release:

NOTE: The Notes Shuttle utility is not supported with Notes 8.5. Please use the Domino Vault feature.

NOTE: When documentation refers to “Notes GroupName” it refers to only a group name. The Notes adapter does not support the “GroupName;Alias” feature.

Using the adapter on Windows 2008

Lotus does not officially support the Notes Client on Windows 2008 and some crash/hang issues have been encountered with the Notes Adapter on Windows 2008. To avoid such issues it is required that you close the Lotus Notes Client and other Lotus Notes related processes before starting the adapter. Make sure the adapter is started only after all the Lotus Notes related processes are completely closed. Please do not open/execute any Lotus Notes process which the adapter is currently running.

Specifying the Mail Quota Size and Mail Quota Warning Threshold

Special notes for specifying the Mail Quota Size and Mail Quota Warning Threshold attributes while creating a mail file by using the AdminP commands in background for Lotus Notes release prior to R7.

Specify the Mail Quota Size and the Mail Quota Warning Threshold attributes on the Notes account form to set the size of the user's mail file in the background. The adapter sets the values of these attributes in megabytes. For example, if you specify the values of the Mail Quota Size and Mail Quota Threshold Warning attributes as 100 and 80 , the adapter uses these values as 100 MB and 80 MB on the Lotus Domino server

Limitation:

(a) For Lotus Notes releases prior to R7, this feature requires the installation of Hotfix W32 65HF710 for Lotus Notes Client 6.5. It is necessary that appropriate hotfix for each version is obtained and applied.

(b) If the hotfix has not been applied it is recommended that the Mail Quota and Mail Threshold Warning values not be set during user registration for user's Mail file created in background. It is recommended that without the application of appropriate Hotfix, Mail Quota and Mail Quota Threshold Warning values should not be given during user registration; they must be set by a separate user Modify request after user registration and mail file creation.

(c) If Mail Quota and Mail Quota Threshold Warning values are given without the application of a Hotfix, the AdminP request generated for creating user's mail file will not set these values on user's mail file. Also, the Adapter will not give any errors. Please note that it is necessary to install the Hotfix for Notes Client only if the Client version is older than Notes R7 Client.

Roaming Users with Explicit Policy Limitation for Notes 8.5

Due an API limitation, creation of Roaming users through an Explicit Policy is currently not supported on Lotus Notes 8.5 Client with Notes Adapter. A work around for this is to use the Lotus Notes 8.0 Client. Please note that it required to use Lotus Notes 8.0 Client only when applying a Registration Explicit Policy which enforces creation of Roaming users. For all other cases, it is recommended to use Notes 8.5 Client.

Setting the timestamp for the "last password change date"

When changing the HTTP password is not supported in Adapter because Lotus Notes API does not support creating AdminP request for changing HTTP Password.

Limitation of "Comments" attribute for Group:

- (1) This attribute is supported with text data only
- (2) You can manage this attribute from TIM Adapter only

In following cases, "Comments" attribute will not be supported by TIM Adapter:

- (1) Once the value of this attribute is modified/cleared from Resource
- (2) Any file is attached on "Comments" tab of the Group Document on Resource

Using Notes Adapter v5.1.3 Features

Support for Domino 8.5 ID Vault

The Notes adapter now supports the ID Vault feature of Domino 8.5. The enhancement introduces several changes.

Attribute for ID file download count

To control number of ID downloads from the vault, extended the Notes adapter schema and added one attribute "erNotesIDdownloadCount" which will hold the value of ID downloads per user.

Below is the account form attribute that will be used in Notes adapter.

Sr. No	Attribute	Attribute OID	Description	Object Class	Reconciled only(R) Add/Mod permitted (W)
1	erNotesIDdownloadCount	1.3.6.1.4.1.6054.3.25.2.151	ID file download count from vault.	erNotesR6Account Class	RW

A new label "ID file download count (from ID vault)" is added for "erNotesIDdownloadCount" attribute in CustomLabels.properties file.

By default this attribute will not be visible on account form, you need to bring this attribute through ITIM form customization on account form.

This attribute will be send from TIM to Notes Adapter in each "password change" and "Restore" operation.

While creating security setting for organizational or explicit policy you need to provide value of "Allow automatic ID downloads" field in the ID Vault tab of the Security Settings document from domino admin UI. The expected value for this field is "YES" or "NO".

For example,

- If you provided value of "Allow automatic ID downloads" to "YES" then domino will allow the ID vault administrator to download ID file for infinite time, though you have given some value for attribute "ID file download count" present on TIM.
- If you provided value of "Allow automatic ID downloads" to "NO" then domino will allow the ID vault administrator to download ID file as per the value of the attribute "ID file download count" present on TIM.

Notes adapter will be setting the value of ID file download count while changing the password only.

Support for password change operation in the ID vault.

This version of the Notes Adapter will be configurable and it's up to customers if they want to use the ID vault functionality or not.

Customer can also configure ID vault functionality either on whole organization or on specific OU level. Notes adapter will be supporting both configurations.

Following new registry key added in Notes Adapter registry settings,

❖ IsIDvaultConfigured

The expected value of the registry key "**IsIDVaultConfigured**" is either "TRUE" or "FALSE" depends on the customer environment.

Before changing password for ID file in ID vault, Adapter will check the domino server version with available registry key,

❖ **Domino Version Number**

ID vault functionality only supported on lotus notes "8.5". So, if value of registry key "**IsIDVaultConfigured**" is "TRUE" (It means customer has configured and using ID vault feature) then expected value of the registry key "**Domino Version Number**" should be "8.5".

For example,

- If value of the registry key "**IsIDVaultConfigured**" is "TRUE" and the value of the registry key "**Domino Version Number**" is 8.5 then adapter will be able to change password of users ID file vaulted under ID vault.
- If value of the registry key "**IsIDVaultConfigured**" is "TRUE" and value of the registry key "**Domino Version Number**" is less than 8.5 then change password operation will be terminated and failure will be returned to ITIM.
- If value of the registry key "**IsIDVaultConfigured**" is FALSE (It means customer is not using ID vault feature or customer is using domino sever older than 8.5) then old code flow will be executed.

Limitations of Notes Adapter on ID vault feature:

1. Assignment of explicit policy with ID vault security setting is not supported with Notes adapter for ID vault; adapter will be supporting assignment of explicit policy with registration settings only.
2. Notes adapter only supporting the "Reset Password" feature of ID vault, other features like "Extract ID from vault" will not be supported that you have to do from Lotus admin client manually.

MR0702092650 - Create new Notes Adapter DeleteGroup with same membership as previous group (DeleteGroup) 'group' membership.

Notes Adapter will be able to preserve the parent child relationship of the newly added Delete Groups.

In the following cases, the assignment of Delete Groups to the set of parents will take place:

1. On every full reconciliation operation and the first request after the Notes Adapter is started:
 - Notes Adapter will search for all the delete groups present on domino server. (Provided registry key "Delete Group" is not blank)
 - If more than one delete groups are present on the Domino server, then Notes Adapter will go through each delete group and will create a single set of parents. This set of parents will be the union of the parents of each of the preexisting delete groups.

For Example: If domino server has three delete groups say DeleteGroup1, DeleteGroup2, and DeleteGroup3. DeleteGroup1 has two parents say P1A, P1B. DeleteGroup2 has a par-

ent say P2A, and Deletegroup3 has no parent. Then Adapter will go through each of the delete groups and will create a set of parent's [P1A, P1B, P2A].

Then, each of these parents from the set will be added to the list of parents of each of the existing delete group if not present already.

Please see below table for the reference,

Group Name	Old set of parents	New Set of Parents
DeleteGroup1	P1A, P1B	P2A, P1A, P1B
DeleteGroup2	P2A	P2A, P1A, P1B
DeleteGroup3	----	P2A, P1A, P1B

2. If first delete group is full and adapter created new delete group.
 - On domino server each group has certain limit to store the members and if this capacity exceeds then Notes Adapter by default creates a new group.
 - When a delete group goes full adapter creates new a delete group and the parent of this new delete group will be union of parents of all the existing delete groups.

For Example: From the above table, considering that "DeleteGroup2" is full and adapter creates the new delete group "DeleteGroup3". Notes adapter will fetch the parents from the existing delete group and assigns the "DeleteGroup3" to the members of each of these parents.

Using Notes Adapter v5.1.7 Features

MR0702092650 - Create new Notes Adapter DeleteGroup

Notes Adapter will be able to preserve the parent child relationship of the newly added Delete Groups.

In the following cases, the assignment of Delete Groups to the set of parents will take place:

3. On every full reconciliation operation and the first request after the Notes Adapter is started:

- Notes Adapter will search for all the delete groups present on domino server. (Provided registry key “Delete Group” is not blank)
- If more than one delete groups are present on the Domino server, then Notes Adapter will go through each delete group and will create a single set of parents. This set of parents will be the union of the parents of each of the preexisting delete groups.

For Example: If domino server has three delete groups say DeleteGroup1, DeleteGroup2, and DeleteGroup3. DeleteGroup1 has two parents say P1A, P1B. DeleteGroup2 has a parent say P2A, and DeleteGroup3 has no parent. Then Adapter will go through each of the delete groups and will create a set of parent's [P1A, P1B, P2A].

Then, each of these parents from the set will be added to the list of parents of each of the existing delete group if not present already.

Please see below table for the reference,

Group Name	Old set of parents	New Set of Parents
DeleteGroup1	P1A, P1B	P2A, P1A, P1B
DeleteGroup2	P2A	P2A, P1A, P1B
DeleteGroup3	----	P2A, P1A, P1B

4. If first delete group is full and adapter created new delete group.

- On domino server each group has certain limit to store the members and if this capacity exceeds then Notes Adapter by default creates a new group.
- When a delete group goes full adapter creates new a delete group and the parent of this new delete group will be union of parents of all the existing delete groups.

For Example: From the above table, considering that “DeleteGroup2” is full and adapter creates the new delete group “DeleteGroup3”. Notes adapter will fetch the parents from the existing delete group and assigns the “DeleteGroup3” to the members of each of these parents.

Using Notes Adapter v5.1.13 Features

RFE 7342 - Notes Adapter nested groups membership management

Notes Adapter now supports nested groups. Member groups can now be specified on the Basic tab of the Manage Group form while creating or modifying groups. Note that the adapter does not check for member group existence or cycles. Following attribute has been defined in the adapter schema to support member groups.

Sr. No	Attribute	Attribute OID	Description	Object Class	Reconciled(R) Add/Mod permitted (W) Multi-Valued (M)
1	erNotesGrpMember-Groups	1.3.6.1.4.1.6054.3.25.2.152	List of groups that are member of this group	erNotesGroupList Class	RWM

Using Notes Adapter v5.1.14 Features

23244 (11649) - Comment Field for Lotus Notes and TIM Notes are not identical for the length of the field

The size of the comment field is now 2048 characters. However, before importing the Notes Adapter profile, please make sure that the Tivoli Directory Server is upgraded to latest fix pack. In particular, fix for “APAR IO11906: Attribute is unusable after increasing attribute length” must be applied to the directory server **before** importing the profile.

17056 (7300) - Enhance Notes Adapter to support unlocking webmail for account

Notes Adapter now supports unlocking of webmail accounts during modify operation. The 'Administration' tab in the Account form now has a drop down list labeled 'Internet Password Lockout'. There are two values in the list:

1. Not Locked (Unlock)
2. Locked

When an account is locked and it is required to unlock it, simply select the 'Not Locked (Unlock)' value. Note that it is not allowed to lock an account from ITIM. Any such attempt is signaled as an error while setting the attribute.

Sr. No	Attribute	Attribute OID	Description	Object Class	Reconciled(R) Add/Mod permitted (W) Multi-Valued (M)
1	erNotesInetLockout	1.3.6.1.4.1.6054.3.25.2.153	Internet Password Lockout status	erNotesAccount Class	RW

Using Notes Adapter v5.1.15 Features

35948 (20949) ITIM Notes Adapter needs to be notes cluster aware

IBM Notes adapter now takes advantage of special options in Notes API for cluster failover. Note that the failover occurs only when the Domino server becomes unavailable while opening a database (e.g. Names.nsf). If the server becomes unavailable after the database is opened then the operation would fail and no failover would take place. Please consult Domino Administration Guide to learn more about clustering and failover. Please also see the 'Known Issues' section in this Release Notes.

17095 (7337) Notes: Support for RequestRename/MoveInHierarchy combined adminp request type.

When moving a person in hierarchy, it is now possible to perform a simultaneous rename operation. To do this, please follow these steps:

1. Issue the Adminp command MoveUserInHierarchy as described in the Notes Adapter Users Guide.
2. When Issuing the Adminp command MoveComplete, specify the First Name, Middle Initial, and Last Name if you want to rename the user.

Corrections to the User Guide

Specifying values for Custom Attributes of type Date

Location: Under section “Updating profiles of custom attributes in various files” in Chapter 8, add following text before the sub-heading “schema.dsm1”

For specifying values of type Date, use the format YYYYMMDDhhmmssSS, where:

YYYY = Year

MM = Month

DD = Day

hh = Hour (24 hour format)

mm = Minute

ss = Second

SS = Millisecond

Using a Notes User Document attribute as CustomEruid

The attribute chosen to be used as CustomEruid should conform to following constraints:

- It should be readable and writable (Modifiable attribute on Notes User Document).
- It should **not** be a part of existing adapter schema.
- It should **not** be used for any other purposes other than storing the Eruid (User id).
- It should contain a unique value.

Note:

1. *If the default value of attribute is empty, then it must be filled with a unique value before performing reconciliation operation.*
2. *If there is no such attribute in person document that satisfies the above mentioned constraints, then, a new attribute satisfying the above constraints can be introduced in person document with the help of a Domino Designer Expert.*

If the attribute chosen conforms to the above constraints then, follow the below steps:

1. Add the attribute's name to the registry key “CustomEruid”.
2. Add the attribute in the list of custom attributes in the file CustomAttributes.xml, located at “<NotesAgent_Installation_Home>\data” directory.

Reconciliation of user ID (ERUID)

Location: Under the section “**Reconciliation of user ID (ERUID)**” of Chapter 4; Page 19, Example 3.

New Content:

Example 3: Using custom Notes field of the person document for user ID

You can use the “CustomEruid” registry key to specify the remote name of the attribute that contains the user ID. To determine which attributes can be used as CustomEruid, refer to the section “**Using a Notes User Document attribute as CustomEruid**”. This section explains what constraints should be taken into consideration, while choosing an attribute to use it as CustomEruid.

Let's assume there is an attribute CustomField present on the Notes User Document which conforms to the constraints to be used as CustomEruid. Also, it contains some unique value and can be used as CustomEruid. Now, to use this attribute CustomField as CustomEruid, follow the below steps:

1. Add the attribute's name (here CustomField), to the registry key "CustomEruid".
2. Add the attribute in the list of custom attributes in the file CustomAttributes.xml, located at "<NotesAgent_Installation_Home>\data" directory.
3. The value of the registry keys "Use ShortName", "Use ITIM_ERUID" and "Store ERUID in FullName" must be set to FALSE.

Assume that a user account with the name Nancy Taylor already exists on the Lotus Domino server with the following values in its person document.

First name: Nancy
Last name: Taylor
User name: Nancy Taylor/IBM
Nancy Taylor
NTaylor
CustomField: NTaylor

After the reconciliation operation is performed, the value of the CustomField attribute of the person document is returned to Tivoli Identity Manager as the User ID attribute:

User ID: NTaylor
First Name: Nancy
Last Name: Taylor
Full Name: Nancy Taylor/IBM
Nancy Taylor
NTaylor
CustomField: NTaylor

Reconciliation of explicit policies

Location: Under the section "**Reconciling user accounts**" of Chapter 4;
Page 22, Sub-Section "**Reconciliation of explicit policies**"

New content:

Note: The adapter supports reconciliation of explicit policy for the Lotus Domino server version 8.0 or later.

Using custom Notes field of person document for storing the user ID

Location: Under the section "**Adding user accounts**" of Chapter 4;
Page 25, Example 3.

New Content:

Example 3: Using custom Notes field of person document for storing the user ID

You can use the "CustomEruid" registry key to specify the remote name of the attribute that you want to use for storing the user ID. Let's assume there is an attribute **CustomField** present on the Notes User Document which conforms to the constraints to be used as CustomEruid. Now, to use this attribute CustomField as CustomEruid, follow the below steps:

1. Add the attribute's name (here CustomField), to the registry key "CustomEruid".

2. Add the attribute in the list of custom attributes in the file CustomAttributes.xml, located at "<NotesAgent_Installation_Home>\data" directory.
3. The value of the registry keys "Use ShortName" must be FALSE
4. "Use ITIM_ERUID" and "Store ERUID in FullName" can be set to TRUE or FALSE.

In the following example, the value of the registry key "Store ERUID in FullName" is TRUE.

Let's say we fired an ADD request from ITIM, with below parameters:

User ID:	NTaylor
First Name:	Nancy
Last Name:	Taylor
Full Name:	Nancy Taylor/IBM
	Nancy Taylor
Short Name/User ID:	Nan

After the add operation is performed, the value of the User ID attribute on Tivoli Identity Manager is added to the CustomField and User name fields of the person document:

First name:	Nancy
Last name:	Taylor
User name:	Nancy Taylor/IBM
	Nancy Taylor
	NTaylor
Short name/UserID:	Nan
CustomField:	NTaylor

Note: To determine which attributes can be used as CustomEruid, refer to the section "**Using a Notes User Document attribute as CustomEruid**".

Adding user accounts with CustomEruid

Location: Under the section "Adding user accounts" of Chapter 4; Page 26, 3rd Point below the label "If you:"

Original Content:

If you:

- Set the value of the registry key "CustomEruid" to Owner and that of the "Use Short-Name" registry key to FALSE.

Result: After the add operation, the value of the User ID attribute on Tivoli Identity Manager is added to the User name and Owners fields of the person document. The field ITIM_ERUID is created in the person document with the value from the User ID attribute on Tivoli Identity Manager.

New Content:

If you:

- Let's assume there is an attribute CustomField, which is a valid attribute to be used as CustomEruid. Set the value of the registry key "CustomEruid" to CustomField and that of the "Use ShortName" registry key to FALSE.

Result: After the add operation, the value of the User ID attribute on Tivoli Identity Manager is added to the User name and CustomField attributes of the person document. The field

ITIM_ERUID is created in the person document with the value from the User ID attribute on Tivoli Identity Manager.

ERUID storage in the Notes fields during add operation

Location: Under the section “**Adding user accounts**” of Chapter 4;
Page 27, “*Table 6. ERUID storage in the Notes fields during add operation*”

In the table, remove all occurrences of “(for example, **Owners**)” in the column with “CustomEruid”.

Adding user accounts with an explicit policy

Location: Under the section “**Adding user accounts** “ of Chapter 4;
Page 39, sub-section “**Adding user accounts with an explicit policy**”

New Content:

Explicit policy support through the Lotus Notes Adapter is available only for Lotus Domino server version 8.0 or later.

Create a mail file by using the AdminP commands

Location: Under the section “**Adding user accounts** “ of Chapter 4;
Page 43, sub-section “**Create a mail file by using the AdminP commands**”

New Content:

The Lotus Domino server version 8.0 and later does not support specifying the **Mail Quota Size** and the **Mail Quota Warning Threshold** attributes to set the size of the user's mail file in the background when an Explicit Policy is applied during user registration. When these attributes are set for creating a user's mail file in the background and an Explicit Policy for registration is applied, the values for these attributes are not set on the Mail file. When the Explicit Policy applied for registration has values set for Mail Quota and Mail Quota Threshold Warning attributes, the Mail Quota is set to 0 GB and the Mail Quota Threshold Warning is set to 1024 GB on the user's mail file.

Creation of mail file replica on the Lotus Domino server

The adapter creates a replica for the user's mail file in the background only for Lotus Domino server version 8.0 and above. To create a replica of the user's mail file on the replication server, you must specify the **Replication Server** attribute on the Mail tab of the Notes account form during user registration. The AdminP request creates the Mail Replica file with the same name as specified for the user's **Mail File** attribute when the adapter creates the user's mail file in the background. However, if the Replica Mail filename is provided on the Notes account form, the adapter ignores the value for Lotus Domino server version 8.0 and later. For example, if the user's mail file name is john.nsf, then the replicated mail file name is also john.nsf on the replication server. The adapter ignores the value of the **Replication Mail File** attribute on the Mail tab of the Notes account form if the Lotus Domino server version is 8.0 and later.

To create a mail replica, you must submit an AdminP operation **NewReplica** as a separate Modify request from Tivoli Identity Manager after the mail file is created successfully by the AdminP process.

Reason: 6.5 and 7.x versions are out of support and the contents are not applicable.

Adding user accounts

Location: Under the section “**Adding user accounts**” of Chapter 4;
Page 53, Example 3

New Content: **Example 3:**

In this example, the value of the “Use ShortName” registry key is FALSE and the value of the registry key “Store ERUID in FullName” is TRUE.

Let’s assume there is an attribute **CustomField** present on the Notes User Document which conforms to the constraints to be used as CustomEruid. The value of the “CustomEruid” registry key is set to CustomField.

A user account with the name Nancy Taylor already exists on the Lotus Domino server with the following values in its person document.

First name:	Nancy
Last name:	Taylor
User name:	Nancy Taylor/IBM Nancy Taylor1 Nancy Taylor2 Nancy Taylor3 NTaylor
Short name/UserID:	NTaylor

If you modify the User ID attribute on Tivoli Identity Manager from NTaylor to NTaylor1, the last value of the User name field and the value of the CustomField field of the person document changes to NTaylor1.

Note: To determine which attributes can be used as “CustomEruid”, refer to the section “**Using a Notes User Document attribute as CustomEruid**”.

Modifying roaming attributes of a user

Location: Under the section “**Modifying roaming attributes of a user**” of Chapter 4;
Page 58

New content:

The Lotus Notes Adapter supports modification of roaming attributes of a user from Tivoli Identity Manager only for the Lotus Domino server version 8.0 or later.

Reason: 6.5 and 7.x versions are out of support and the contents are not applicable.

Errors during the add operation

Location: Under the section “**Errors during the add operation**” of Chapter 10;
Page 112

Remove the following rows from the table

Errors during the add operation		
Error message	Possible cause	Recommended solution
Addition of Roaming User is not supported for Domino Server Version 6. But you can upgrade a non-roaming user to roaming user.	This error occurs when you attempt to add a user with a roaming access to the Lotus Domino server version 6.0. The Lotus Notes Adapter supports creation of roaming users from Tivoli Identity Manager only for the Lotus Domino server version 7 or later.	For the Lotus Domino server version 6.0, add a user from Tivoli Identity Manager, and upgrade the user from a non-roaming user to a roaming user.
Roaming User feature is not supported for Domino Server Version 5	This error occurs when you attempt to: <ul style="list-style-type: none"> • Add a roaming user to the Lotus Domino server version 5.0. • Upgrade a user from a non-roaming user to a roaming user on the Lotus Domino server version 5.0. 	If you want to add a roaming user to the Lotus Domino server, then use the Lotus Domino server version 7.0 or later. If you want to upgrade a user from a non-roaming user to a roaming user, then use the Lotus Domino server version 6.0 or later.

Reason: 6.5 and 7.x versions are out of support and the contents are not applicable.

Additional errors during the add operation

Location: Under the section “**Errors during the add operation**” of Chapter 10;
Page 112 & 113

New content:

Errors during the add operation		
Error message	Possible cause	Recommended solution
'Lotus iNotes/Domino CAL' value cannot be specified for a Roaming user account. Roaming user must have an ID file.	This error occurs when a user has roaming access and the value of the Client License attribute for a roaming user is specified as Lotus iNotes/Domino CAL. In this case, the user that is created on the Lotus Domino server becomes a Web client user. A Web client user cannot have roaming access because a Web client user does not possess an ID file.	Make sure that you do not specify roaming attributes for a Web client user.
Assigned Policy is supported	This error occurs when you	Use the Lotus Domino server

for Domino Server Version 8 and above.	specify an explicit policy for the Lotus Domino server version 6.0 or earlier.	version 7.0 or later for adding user accounts with an explicit policy.
--	--	--

Reason: 6.5 and 7.x versions are out of support and the contents are not applicable.

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 8 Enterprise 32-bit OS on x86 compatible CPU
- Windows 8 Enterprise 64-bit OS on x86 compatible CPU
- Windows 7

Managed Resource:

- Domino R8.5.0 with optional Sametime v8.5.2
- Domino R8.5.1 with optional Sametime v8.5.2
- Domino R8.5.2 with optional Sametime v8.5.2
- Domino R8.5.3 with optional Sametime v8.5.2
- Domino R9.0 with optional Sametime 9

-- with --

- Lotus Notes Client software version R8.5.0
- Lotus Notes Client software version R8.5.2
- Lotus Notes Client software version R8.5.3
- Lotus Notes Client software version R9.0

IBM Tivoli Identity Manager:

- Identity Manager v5.1

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