Zimbra

Migrating from IBM Lotus Domino to Zimbra Collaboration Suite
Beta Draft

The Zimbra™ Collaboration Suite Migration Wizard for Lotus Domino is used to migrate IBM® Lotus® Domino® server email accounts to the Zimbra Collaboration Suite server and to import the email, calendar, and address book information for the selected Lotus Domino users. The import process replicates the user's Lotus Domino folder hierarchy, importing email messages, calendars and contacts from the Lotus Domino server. Any keywords are converted to tags in Zimbra Collaboration Suite.

Accounts from IBM Lotus Domino version 6.0 and above can be migrated.

During the migration, the wizard performs the following tasks:

- Creates the user account on the Zimbra server, if it does not already exist
- Imports mail messages, attachments, calendars, and address books
- Creates a log file for troubleshooting any import errors or warnings

Note: *Only email messages, calendars, and address books are imported from the Lotus Domino server. Other Notes types, including customized templates, delivery failure reports, meeting request and responses, Global Address List (GAL) and contact groups, to do list, personal journal, and rules and alerts are not imported. Rich text in email messages is converted to plain text.*

Lotus Domino Requirements

The Zimbra Migration Wizard utilizes the Lotus Notes Libraries. Therefore, you must run the migration wizard from a Microsoft Windows® computer that has Lotus Notes 6.0 or later installed.

The system PATH variable should contain a path to the directory that includes the nnotes.dll. For example, if the Lotus Notes software is installed in "C:\Program Files\Lotus," then the nnotes.dll file is typically in "C:\Program Files\Lotus\notes".

The lcppn30.dll provided with the migrator should be in the current working directory or in the System32 directory.

In order for the migration wizard to conduct the migration, you must supply the id file that has full administrative privileges on mailboxes to be migrated.

Planning the Migration from Lotus Domino to Zimbra

Before you attempt to migrate from the Lotus Domino server, create a communication plan to notify users about the new Zimbra email program and to provide users with the new mail access information (Zimbra URL, login name, and password to use).

Zimbra recommends that you plan to perform the migration during off-peak use times. The Lotus Domino server does not need to be stopped in order to migrate accounts. Any emails that are sent to or delivered from Lotus Domino after the account is migrated are not saved in the Zimbra mailbox.

The migration wizard asks you questions in a series of dialog boxes about how to set up the new accounts. Before you start, you should determine:

• Which domain the users accounts will migrate to.

• How you want to migrate accounts. Do you want to select individual accounts or select groups of accounts to import?

After the accounts are created on the Zimbra server, the email messages, calendar entries, and contact information are imported. You configure the following rules for accounts being imported:

• Import the content of *Junk-Mail* folders, yes/no

• Import the content of the *Deleted Items* folder, yes/no

• Import email messages received after *<what date>*

• Should the new email address replace the Lotus Domino email address in all meetings organized by the user? <check box>

By default, messages larger than 10 MB will not be imported. The message size includes the message and attachments. If the message is larger than 10 MB, a warning is logged to Migration Wizard log file, which can be reviewed from the Import Complete dialog when the migration is complete.

Note: *To ensure large messages (>10MB) are migrated without errors, you must configure both the Migration Wizard and the Zimbra Server. On the machine running the Migration Wizard modify the following registry key "HKCU\Software\ZCSMigWiz\MaxAttachSizeMB" to specify the maximum file size in megabytes the wizard should attempt to import to the server. Messages, including attachments, larger than this size are skipped by the Migration Wizard. A value of 0 means no limit to the size of the message with attachments. To ensure the Zimbra server can accept large messages, from the Administration Console, Global Settings, MTA tab, set the maximum message size and the maximum size of an upload to be the same as the registry key.*

The import process contains a few assumptions regarding naming:

- Imports are by a single domain. For example, you might import users from **marketing.domain.com** on your Lotus Domino server to **marketing.zimbra.domain.com** on your Zimbra server.

- The local part of the user's SMTP address in Lotus Domino becomes the first portion (local part) of the email address on the Zimbra server. To continue the above example, a user who has an account for joe@marketing.domain.com on Lotus Domino would become joe@marketing.zimbra.domain.com on your Zimbra server.

Using the Zimbra Migration Wizard

Even though the migration wizard can be run from start to finish without stopping, Zimbra recommends that after the accounts are migrated, you stop. Before proceeding, change the mail relay information to point to the Zimbra server instead of the Lotus Domino server. This will prevent any lost mail while the files are being imported.

Note: After the files have been imported to the Zimbra server, you should verify that the import was successful before deleting the Lotus Domino accounts.

How to Migrate Accounts and Import Email

The Zimbra Migration Wizard can be downloaded from the Zimbra Administrator's Download page on the Zimbra administration console.

1. From the Zimbra Administrator's Download page click the **Migration Wizard for Domino** icon to download the migration wizard executable to your computer.

2. Click the migration wizard executable. The **Welcome** dialog appears. Click **Next** to continue.
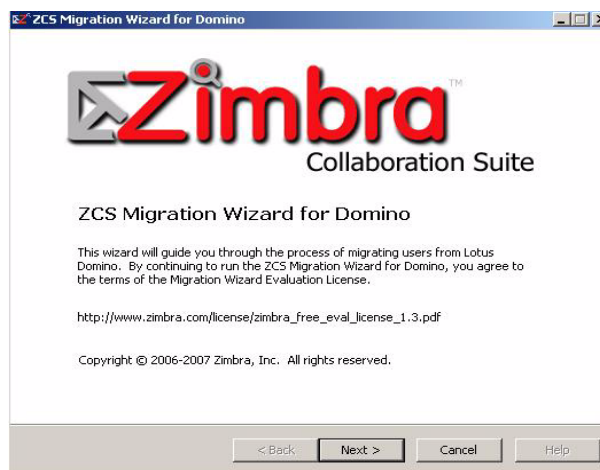
3. The **Import Destination** dialog is displayed.

On the **Import Destination** dialog, enter the following:

- **Host name**. This is the host name of the Zimbra server.

- **Admin Port**. The default admin services port is 7071.

- **Use Secure Connection** (SSL) is checked to establish a secure connection to the server port.

- **Username and Password**. This is the name and password of the administrator account on the Zimbra server.

Click **Next**.

4. In the **Destination Domain** dialog, select the Zimbra domain name where accounts will migrate.

Note: *If you create the domain name after you started the wizard, click* **Refresh Domains** *to update the list from the Zimbra server.*

Click **Next**.

5. The **Import Source** dialog is displayed. If the migration wizard can determine the Domino server name, administration ID file path, and Notes INI file path, this information is displayed in the dialog. If this information is missing, enter the information.

Migrate Private Folders is checked. To migrate user's Lotus Domino private folders, you must complete the following:

- Specify the path to the directory containing ID files of all the Lotus Domino users to be migrated. The names of the ID files should follow the format **<user shortname>.id**.

- Specify the path to the file containing passwords for these ID files. The users and passwords should be specified in format **<user full name>:<password>**. The user full name format is **<username>/ [<organization unit>/]<organization>**. For example, if the user is Joe, the organization is Zimbra and the organization unit is marketing, than the user full name is joe/marketing/zimbra.

Click **Next.**

6. In the **Source and Destination Mailboxes** dialog, define the users to be migrated to the Zimbra server. Choose one of the following ways to select users:

- **Object Picker**, to select specific users to migrate. Go to step a.

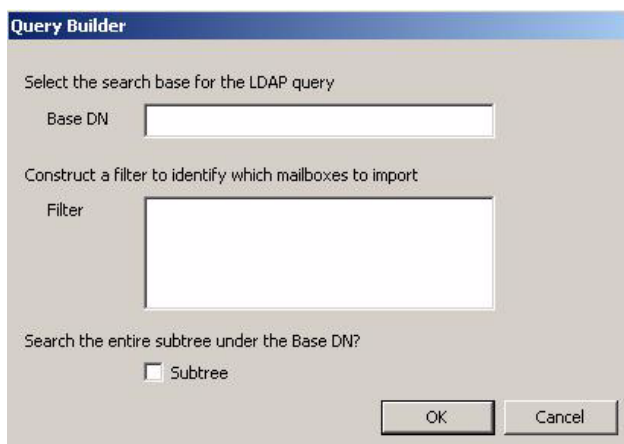- **Query Builder**, to select groups of users to migrate. Go to step b.
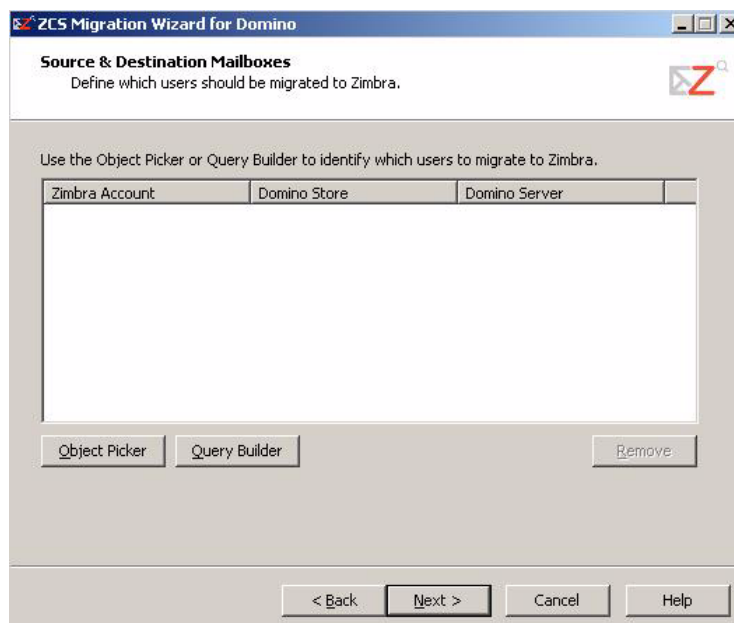
a. Click **Object Picker** to select specific accounts to migrate. The Object Picker lists all the users in the Domino name and address book (NAB). Select the users that should be migrated to ZCS.

Click **OK**.
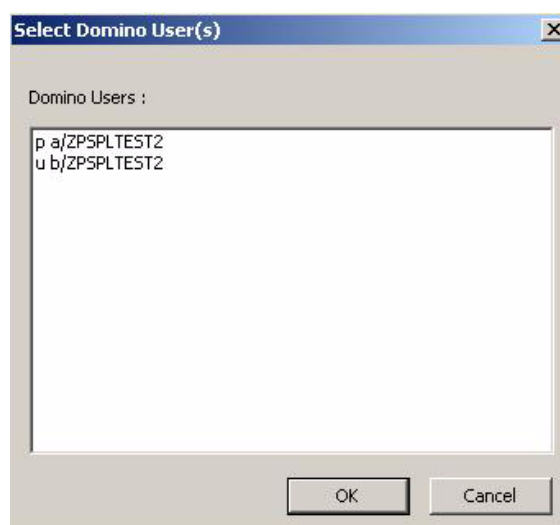
b. Click **Query Builder,** to select groups of accounts to migrate.
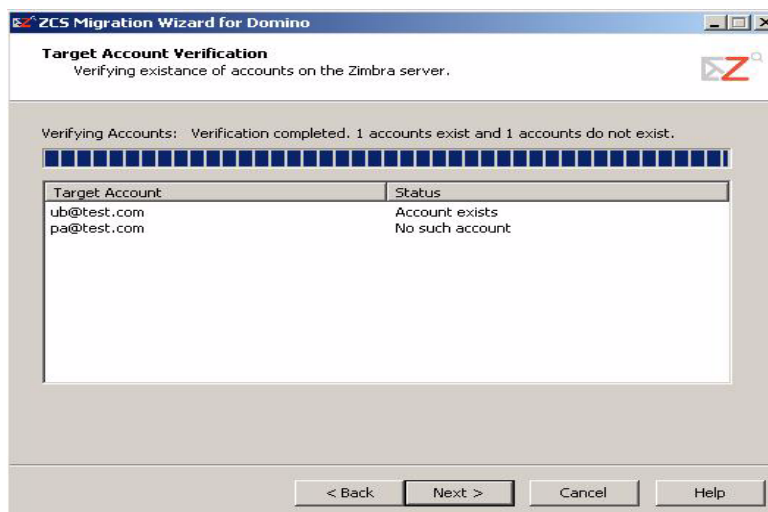
In the **Query Builder** dialog, enter the search base for the LDAP query and construct the filter to identify which mailboxes to import.

7. The **Source & Destination Mailboxes** dialog now displays the Zimbra account name, the Lotus Domain Server DN information and the Lotus Domino User DN information for accounts to be migrated. Review the information.

If any accounts should not be migrated, select the account and click **Remove**, otherwise click **Next** to continue.

8. The migration wizard now checks to see if these accounts exist on the Zimbra server. After checking all the accounts, the **Target Account Verification** dialog displays the number of accounts that exist and the number of accounts that do not exist on the Zimbra server. The accounts with the status of *No such account* will be created. Click **Next**.

9. The **Account Provisioning** dialog is displayed. All accounts with the status of *No such account* are shown in the Unprovisioned Accounts list box. Before creating these accounts, select the Class of Service (COS) that these accounts will be assigned and enter the default password for the accounts.

    The COS defines the features and preferences for these accounts. Classes of Service that have been configured on the Zimbra server are listed. If you recently created a COS and it is not listed, click **Refresh COS**. New COSs are added to the list.
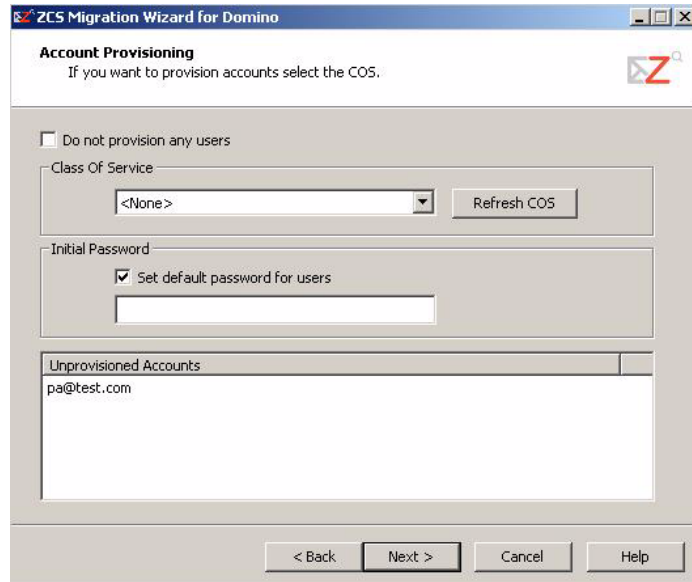
IMPORTANT: Included in this list are two COSs called **default** and **None**.The COS named **default** refers to the default COS that was automatically created when Zimbra Collaboration Suite is installed. The COS named **None** is used to represent a COS configured for the domain that is being migrated. Configuring a domain COS is optional. Select **None** to provision the accounts with the COS assigned to the domain. If None is selected and the domain has not been configured with a specific COS, the COS named "default" is automatically assigned.

In the **Initial Password** section, enter a default password. This is the password for every account that is created.

*Note: If password is not specified at the time of provisioning, after the migration you can either:*

- Create passwords for each account using either the administration console or the zmprov CLI utility.

- Configure ZCS authentication to be external against the LDAP directory. Users can continue to use their existing password.

Click **Next**. The listed accounts are provisioned.

> *Note:* *If you do not want to create any of the accounts from this list, check* **Do not provision any users**, *and click* **Next***. No accounts are created on the Zimbra server.*

The provisioning of email accounts on the Zimbra server is complete. Before proceeding you should change the mail relay information for these users to point to the Zimbra server instead of the Lotus Domino server. Any new email messages are sent to the Zimbra mailboxes.

10. The **Import Options** dialog is used to set rules about what files should be imported
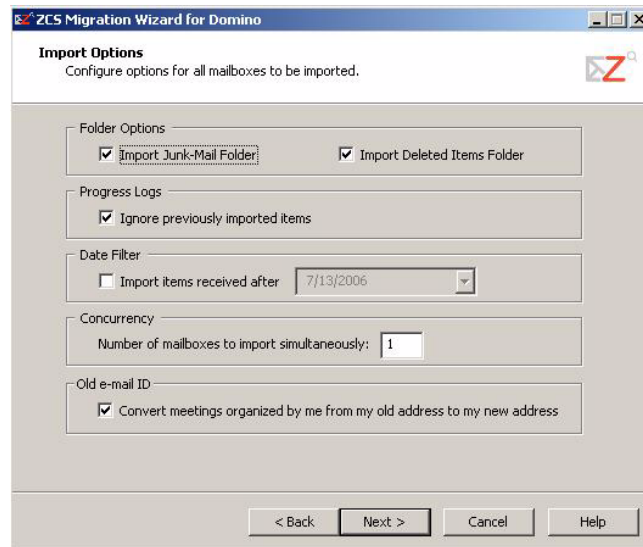
- The checkboxes for **Import Junk-Mail Folder** and **Import Deleted Items Folder** determine whether or not to import mail currently in those Junk Mail and Trash folders respectively.

  Note: *Currently, the mail in the Lotus Domino Trash folder is not imported.*

- The checkbox for **Ignore previously imported items** can be used in cases where an earlier import operation was interrupted. If checked, the import process picks up where it left off, rather than to import duplicates.

- Check the **Date Filter** checkbox to import mail only after a certain date. This lets you discard old messages.

- In the **Number of mailboxes to import simultaneously:** field, set the import concurrency level. Since the import is likely to happen while both Lotus Domino and Zimbra servers continue to service other mail accounts, you should use caution when increasing this number, because setting this number too high may affect server performance.

  IMPORTANT: The concurrency level MUST be set to 1 in this beta.

- If the **Old e-mail ID** checkbox is checked, the old e-mail address of the Lotus Domino user is replaced by the new Zimbra e-mail address in all the meetings organized by that user.

Click **Next**. A confirmation dialog appears. Click **OK** to begin importing.

IMPORTANT: Users can continue to work in Lotus Notes while their mail is being imported, although any operation they do after that mailbox folder has been imported will not be picked up by the Zimbra server. To ensure that the imported mailbox is consistent with the old mailbox, we recommend informing users that their mailboxes will be unavailable over some scheduled downtime period.

The **Import In Progress** screen displays the import progress.
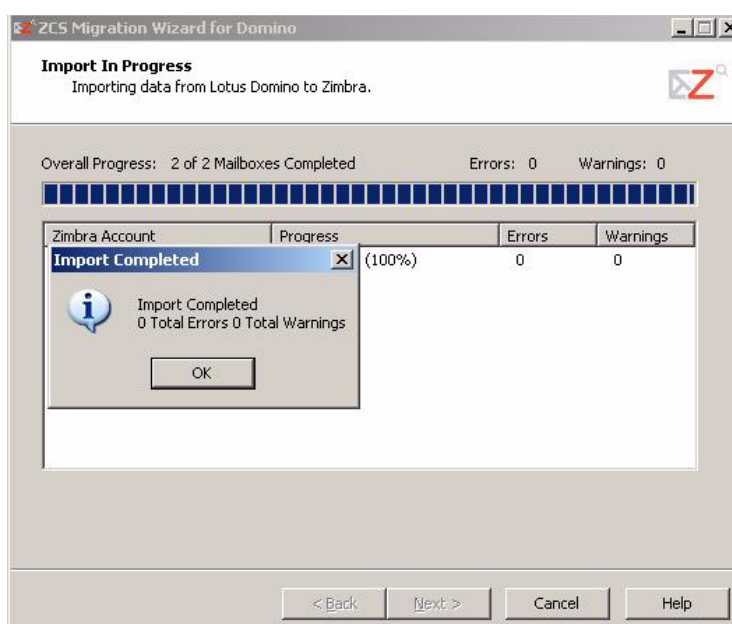
11. When the import is complete, the **Import Completed** dialog displays any errors. If errors or warnings appear, review the *Description* column and take appropriate action.

- For more information, click **Open Log File** to view details.

- Use **Import More Users** to re-run the import on a different batch of users. You might do this to import users from another domain, for example.
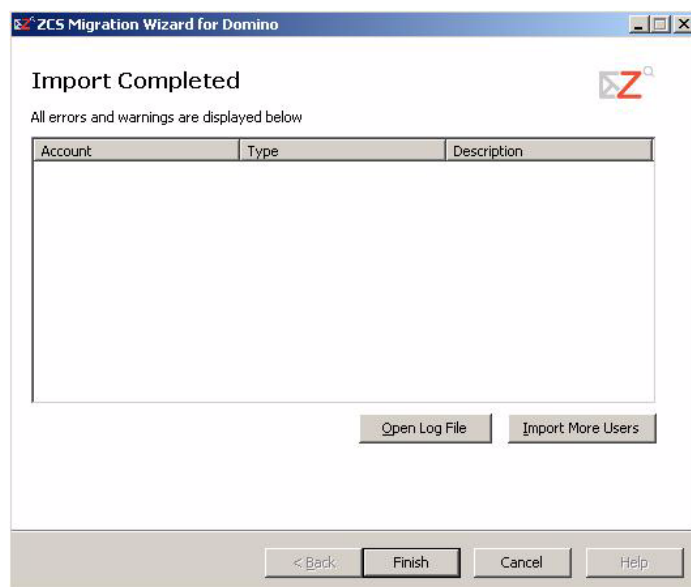
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