AUTHORIZED DOCUMENTATION

Migration Guide

Novell® ZENworks® 10 Asset Management SP3

10.3

March 30, 2010

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About This Guide

This Novell ZENworks 10 Asset Management Migration Guide includes information to help you successfully migrate selected inventory and asset management data from ZENworks Asset Management 7.5 to an installed Novell ZENworks 10 Asset Management system

The information in this guide is organized as follows:

- Chapter 1, “Using the Migration Utility,” on page 9
- Chapter 2, “Migration Console Reference,” on page 31
- Appendix A, “Migrating Both ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management,” on page 39
- Appendix B, “ZENworks Objects and Their Uniqueness,” on page 43
- Appendix C, “Documentation Updates,” on page 47

Audience

This guide is intended for ZENworks administrators.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the User Comments feature at the bottom of each page of the online documentation, or go to the Novell Documentation Feedback site (http://www.novell.com/documentation/feedback.html) and enter your comments there.

Additional Documentation

ZENworks 10 Asset Management is supported by other documentation (in both PDF and HTML formats) that you can use to learn about and implement the product. See the ZENworks 10 Asset Management documentation (http://www.novell.com/documentation/zam10/index.html).

Using the Migration Utility

1

The following sections provide instructions on how to use the Novell ZENworks 10 Asset Management Migration utility to migrate data from ZENworks Asset Management 7.5:

- Section 1.1, “Before You Begin,” on page 9
- Section 1.2, “Overview,” on page 10
- Section 1.3, “Installing the Migration Utility,” on page 13
- Section 1.4, “Selecting the Migration Source,” on page 14
- Section 1.5, “Selecting the Migration Destination,” on page 17
- Section 1.6, “Migrating Objects,” on page 19

1.1 Before You Begin

Before you begin migrating data from ZENworks Asset Management 7.5 to ZENworks 10 Asset Management, consider the following:

- If you also have ZENworks 7 Desktop Management installed on your ZENworks Asset Management 7.5 workstations, see Appendix A, “Migrating Both ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management,” on page 39 to ensure that you migrate the two products in the correct order.
- You should back up both source and destination databases.
- Turn off the inventory process on ZENworks Asset Management 7.5 before you run the migration utility.
- If you have migrated inventory data with a previous version of the migration utility, you must use that same version to migrate the asset management data.
- The version of the migration utility that you use must match the ZENworks Management Zone version. The migration utility will not connect to a zone that does not match its version number.
- You can only migrate objects once.
- Network devices are not migrated.
- You need to migrate inventory data before asset management data. If you want to do a staged migration, do not migrate asset management data until all staging is complete. For more information about staging, see “Staging a Migration” on page 20.
- Not all custom reports are migrated. For a list of custom reports that are not migrated, see Section 1.6.7, “Migrating Custom Reports,” on page 27.
- When migrating to a SQL server, note the following file size recommendations:
  - The destination data file should be at least 1.1 times the size of the source data file.
  - The destination log file should be at least 1.2 times the size of the source data file.

- If you are migrating data installation that already contains some of the same asset management data, you might see migration errors or fail in the migration process. See "ZENworks Objects and Their Uniqueness" on page 43 for more information.
- For better migration performance, it is strongly recommended that you purge the ZENworks Asset Management 7.5 database before you begin. For details, see Section 1.6.8, "Migration Performance Guidelines," on page 30.

1.2 Overview

The migration utility is used to migrate inventory data, which is defined by your ZENworks Asset Management 7.5 collection domains, and asset management data. This data includes the following:

- Inventory data
  - Devices (including deleted devices, if desired. See Section 1.6.1, "Migrating Inventory Data," on page 19)
  - Device history
  - Local software products
  - Hardware/software components
  - Administrator-defined fields (known as *user*-defined fields in ZENworks Asset Management 7.5)
  - Custom reports
- Asset management data
  - Asset management usage data
  - Asset management custom reports
  - Asset management administrator-defined fields (known as *user*-defined fields in ZENworks Asset Management 7.5)
  - Catalog products
  - Discovered products
  - Purchase records
  - Licensed products
  - Software collections
  - Contracts and date notifications
  - Documents

Network devices and contract-network relationships are not migrated. Contract-to-network-device relationships can be reestablished after a network discovery process is run within ZENworks 10 Asset Management.

Inventory data can be migrated by individual device or as a group. Asset management data is migrated as a group.

When you migrate inventory data, by default you are also migrating the following:

- **Local Product Definitions:** Local product definitions defined in ZENworks Asset Management 7.5. These product definitions are migrated as a group; they cannot be migrated individually. If you want to migrate just the local product definitions without the inventory data, see "Migrating Local Product Definitions" on page 23.
- **Administrator-Defined Field Definitions:** Asset management and inventory administrator-defined fields defined in ZENworks Asset Management 7.5. (Administrator-defined fields are known as *user*-defined fields ZENworks Asset Management 7.5.) These field definitions are migrated as a group; they cannot be migrated individually. If you want to migrate just the administrator-defined field definitions without the inventory data, see "Using the Migration Utility" on page 9.
- **Custom Reports:** Asset management and inventory custom reports defined in ZENworks Asset Management 7.5. The reports are migrated as a group. If you want to migrate custom reports without the inventory data, see "Migrating Custom Reports" on page 27.

Migrating inventory data also migrates the following asset management data:

- Usage data
- Custom reports
- Administrator-defined fields

1.2.1 System Requirements

The migration utility requires the following:

- Windows XP Professional 5.1 SP 2, Windows XP Professional 5.1 SP 3, Windows Vista SP1 x86, Windows Server 2003 5.2 SP2, or Windows Server 2008 x86; Windows 2000 and Windows 2008 are not supported
- Network connectivity to source and destination database servers
- Migration source: ZENworks Asset Management 7.5
- Migration destination: ZENworks 10 Asset Management
- Microsoft .NET Framework Version 2.0 Redistributable Package (x86)
- (Optional) ZENworks 10 Asset Management. This product is required to view migrated asset management data.

The following combinations of databases can be used to migrate data:

- SQL Server to SQL Server
- SQL Server to Sybase
- Oracle to Oracle

For migration purposes, the Oracle databases can be Oracle 9.2, Oracle 10.1, or Oracle 10.2. If you are using an Oracle database, please observe the following:

- The Oracle client must be installed on the machine that runs the migration utility. For versions 10.1 and 10.2, this must be Administrator, not InstantClient.

- For the Oracle 10.2 client, you must apply patch 5473334 (Doc ID 387818.1). Of the several data access components included in the patch, Oracle Provider for OLEDB version 10.2.0.2.20 is required.
- `TNSNAMES.ORA` must contain entries for both the source and destination database services. To create these entries automatically, log on to the ZENworks Asset Management 7.5 and ZENworks 10 Asset Management databases using the Oracle Enterprise Manager Console or Net Configuration Assistant—Local Net Service Name configuration. Note that the names used for the entries must match the corresponding service name exactly.
- The Oracle bin directory (e.g., `C:\oracle\product\10.2.0\client_1\BIN`) must be in your PATH setting; however, directories from other Oracle products and installs must not be in your PATH setting.
- The user associated with the schema for the ZENworks Asset Management 7.5 Oracle database (NCSYSTEM by default) must have the "DBA" role while migration is running (by default, NCSYSTEM only has the "CONNECT" role).

1.2.2 The Migration Process

Migrating objects (inventory data, custom reports, and so on) consists of six steps:

1. Installing the migration utility. For more information, see Section 1.3, "Installing the Migration Utility," on page 13.
2. Backing up both source and destination databases before starting migration and after each successful staging.
3. Selecting the migration source. For more information, see Section 1.4, "Selecting the Migration Source," on page 14.
4. Selecting the migration destination. For more information, see Section 1.5, "Selecting the Migration Destination," on page 17.

   If you have selected a destination zone previously, for example, for a pilot migration, a dialog appears asking if you want to clear the migration status data stored in the ZENworks Asset Management 7.5 source database, which is necessary if you change your migration destination. Click OK to clear the migration status data.

   WARNING: You cannot reselect a migration destination. For example, if you choose a pilot migration destination, then switch to a production destination, you cannot switch back to the pilot destination.

   ---

5. Selecting objects to migrate.

   Administrator-defined field definitions, local product definitions, and custom reports are migrated by default the first time inventory data is migrated. To migrate them separately, see Section 1.6, "Migrating Objects," on page 19. Some custom reports are not migrated because of database schema changes. For more information, see Section 1.6.7, "Migrating Custom Reports," on page 27.

   When selecting objects to migrate, keep the following in mind:

   - Inventory data and asset management data must be migrated using the same version of the migration utility.
   - You can only migrate objects once.

- You need to migrate inventory data before asset management data.
- Workstations that have not been inventoried are not migrated. In addition, if the workstation is associated with a contract, the contract-workstation relationship isn't migrated, either.

If you want to do a staged migration, select a subset of workstations to migrate. Do not migrate asset management data until all staging is complete. For more information about staging, see "Staging a Migration" on page 20.

6. Initiating the migration.

   Migration can take several hours to complete, depending on the size of the database being migrated. During the migration, the migration utility may become unresponsive at times. If migration is interrupted or canceled, it can be restarted. The migration then continues from the last migrated record in the migration process. If any errors are listed when the migration process is run again, you can ignore them. For more information, see Section 1.6, "Migrating Objects," on page 19.

1.3 Installing the Migration Utility

There are two ways to install the migration utility: either through a Web browser or through ZENworks Control Center.

NOTE: Microsoft .NET Framework Version 2.0 Redistributable Package (x86) must be installed prior to installing the Migration utility.

To use a Web browser to install the utility:

1. In your Web browser, access the following URL:

   `http://`*zenworks_primary_server_id*`/zenworks-setup`
2. Click *Administrative Tools* and download `ZAMMigration.exe` to a temporary location.
3. Run `ZAMmigration.exe` to install it on your workstation.
4. To run the utility on a supported Windows device, click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.

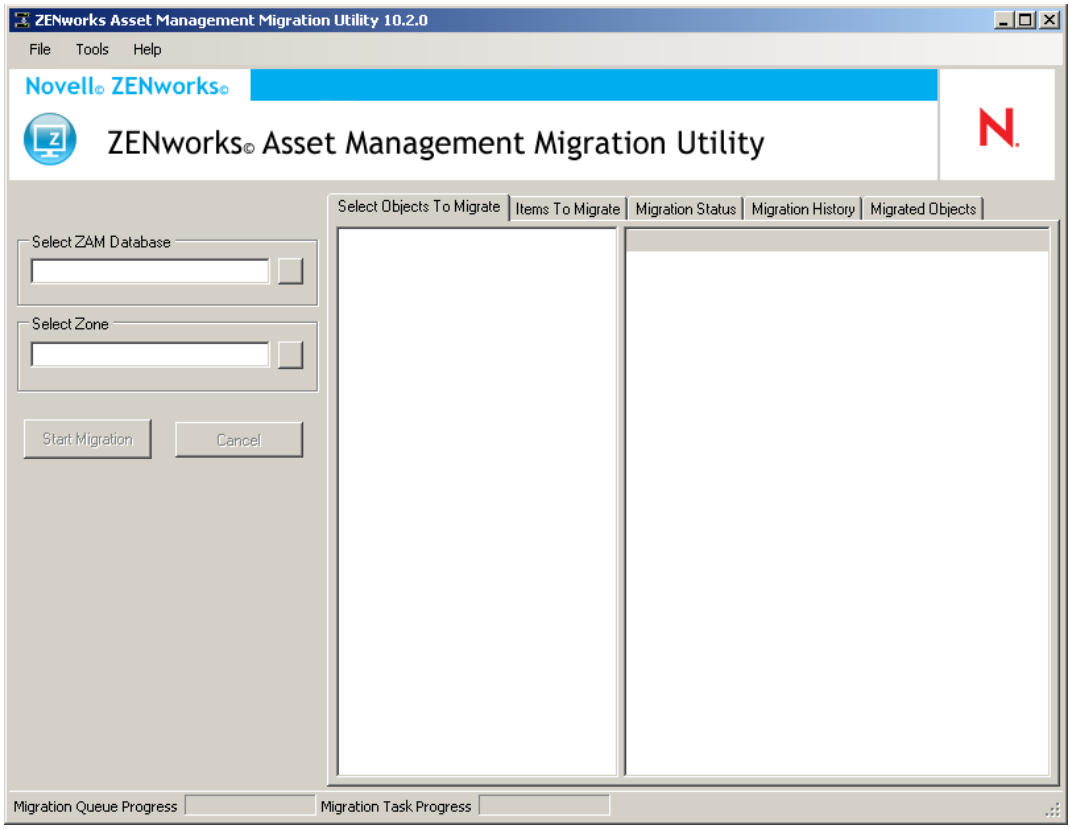
To use ZENworks Control Center to install the utility:

1. In ZENworks Control Center, click *Configuration*.
2. In the Configuration Tasks list, click *Download ZENworks Tools*.
3. Click *Administrative Tools*.
4. Click *ZAMmigration.exe* to save it to your hard drive.
5. Run `ZAMmigration.exe` to install it on your workstation.
6. To run the utility on a supported Windows device, click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.

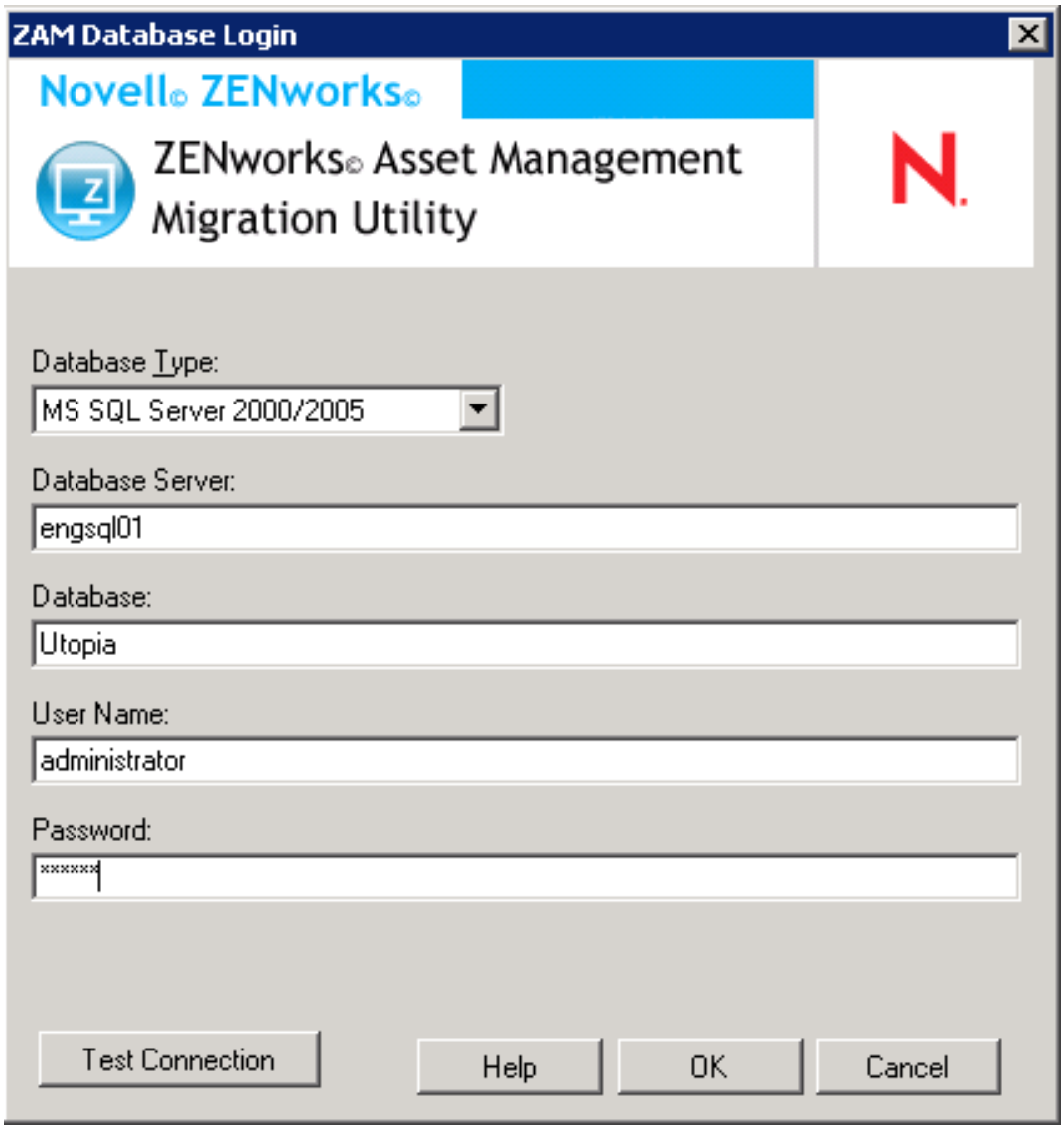
1.4 Selecting the Migration Source

The migration source is your ZENworks Asset Management 7.5 database. The migration utility requires that you log in to the migration source with create, modify, and delete privileges. To log in to your database:

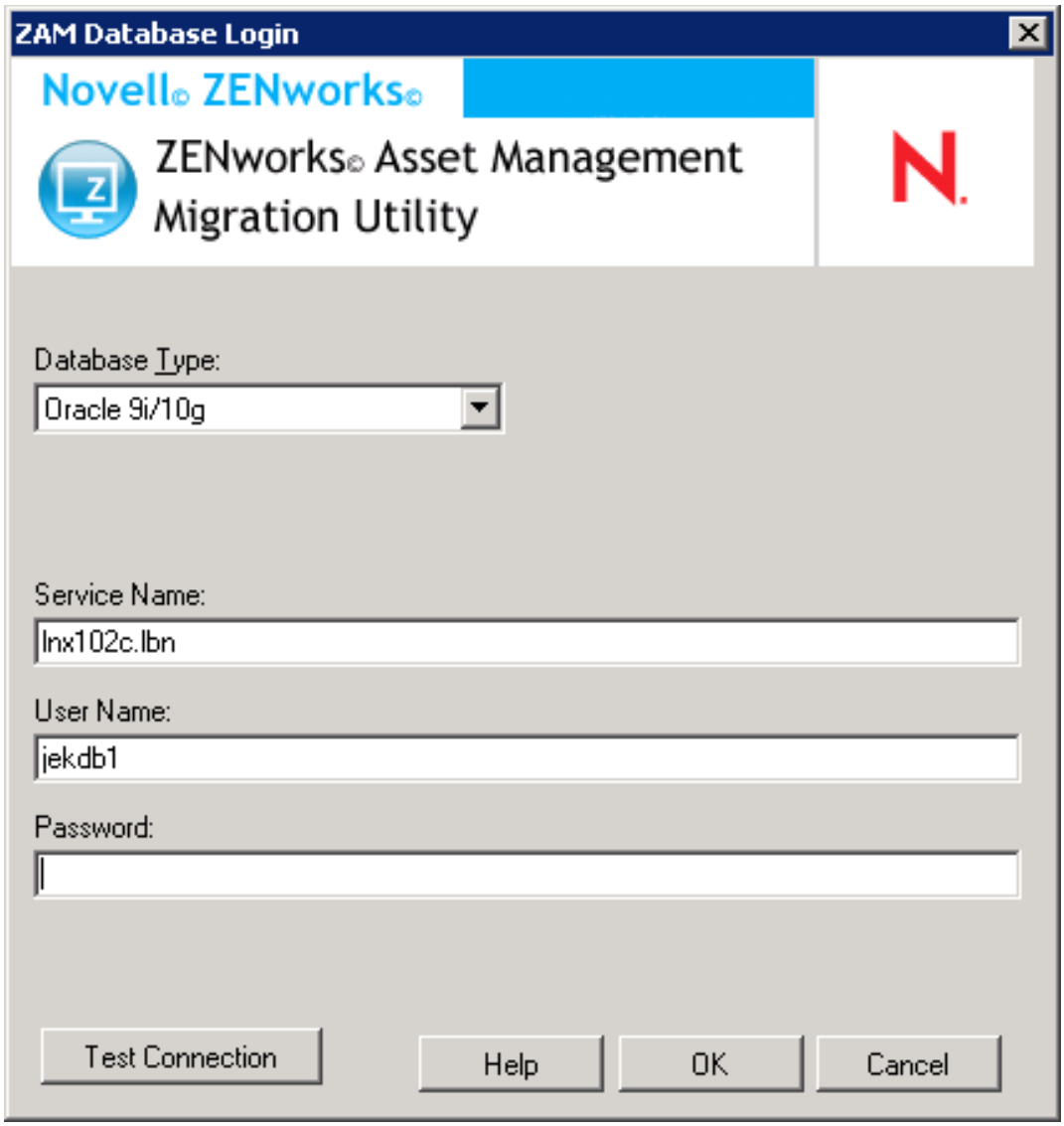
1 Click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.



2 Click the button to the right of the *Select ZAM Database* field. For Microsoft SQL migration, you see the following screen:



For Oracle migration, you see the following screen:



3 Fill in the following fields:

Database Type: Specify the database type. For example, specify *MS SQL Server 2000/2005* for both external and embedded MS SQL Server databases. Or specify *Oracle 9i/10g* for the latest Oracle database type.

Database Server: Specify either the DNS name or IP address of the database server. Each time you use this dialog box, the last server you logged in to is displayed here.

Database: Specify the database name. Each time you use this dialog box, the last database you logged in to is displayed here.

Service Name: For Oracle migration, specify the service name. Each time you use this dialog box, the last service you logged in to is displayed here.

User Name: Specify the username. Each time you use this dialog box, the last username you used is displayed here.

Password: Specify the password. This must be specified every time to authenticate.

4 Click *OK* to connect. You can click *Test Connection* first to verify that you can connect to the database.

5 Continue with Section 1.5, “Selecting the Migration Destination,” on page 17.

1.5 Selecting the Migration Destination

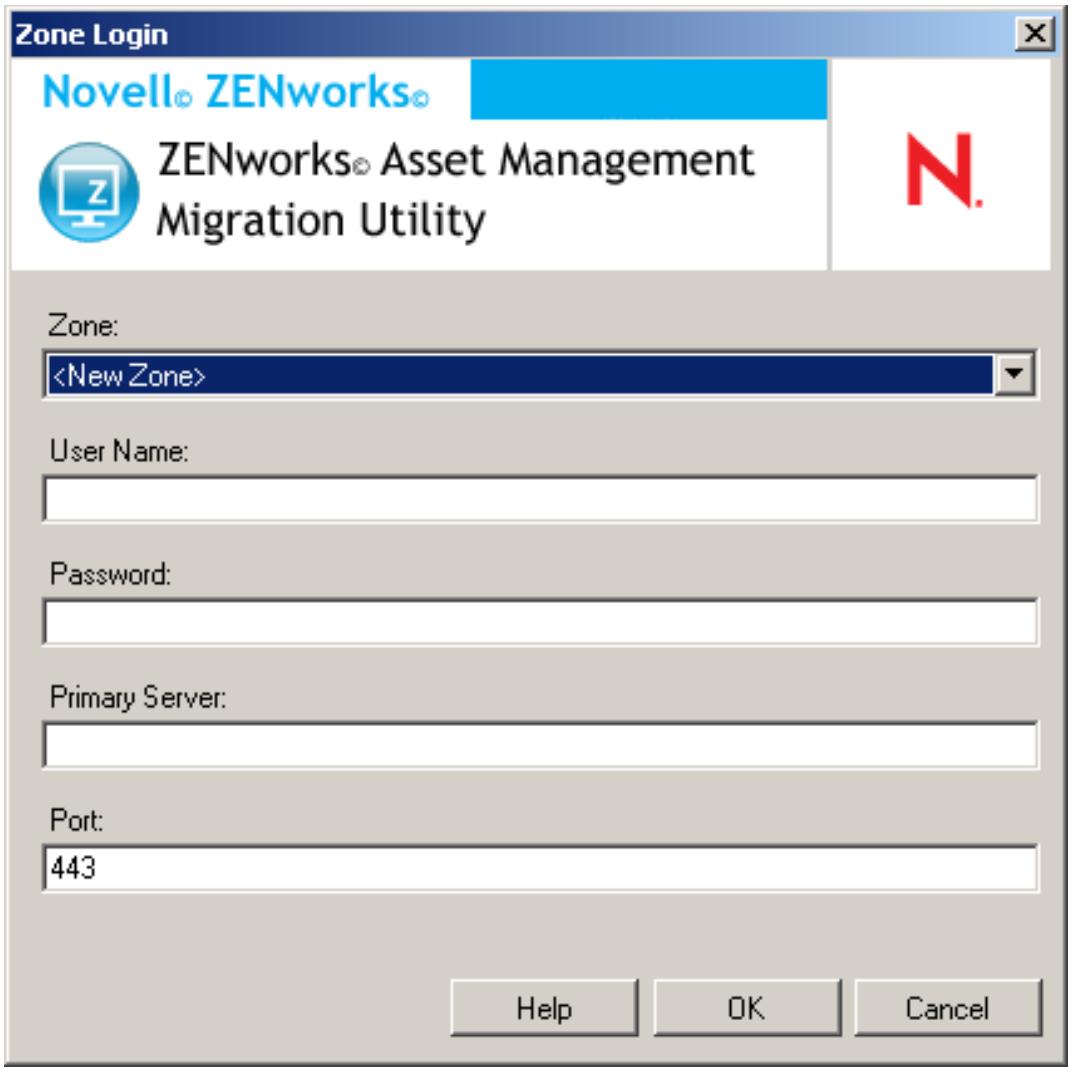
To log in to your migration source Management Zone for ZENworks 10 Asset Management:

1 Make sure you’ve selected the migration source (see Section 1.4, “Selecting the Migration Source,” on page 14).

2 In the Migration Console, click the button to the right of the *Select Zone* field.

If you have previously selected a destination zone, such as for a pilot migration, a dialog box appears asking if you want to clear the migration status data stored in the ZENworks Asset Management 7.5 source database. This is necessary if you change your migration destination. Click *OK* to clear the migration status data.

WARNING: You cannot reselect a migration destination. For example, if you choose a pilot migration destination, then switch to a production destination, you cannot switch back to the pilot destination.



3 Fill in the following fields to authenticate to your destination Management Zone:

Zone: Specify your Management Zone. This field is not filled in the first time you access the *Zone Login* dialog box. Thereafter, any zone that you previously logged in to by using this dialog box is available from the drop-down list. Each time you use this dialog box, the last zone that you logged in to is displayed here.

User Name: Specify the username for the zone. *Administrator* is normally used. If this is the first time you have logged in to this zone by using the Migration Console, nothing is displayed; otherwise, the last username you used is displayed. If you select a Management Zone in the *Zone* field, this field is automatically populated with the username you last used for that zone.

Password: Specify the password. This must be entered every time to authenticate.

Primary Server: Specify either its DNS name or IP address. This field is automatically populated when you select a Management Zone in the *Zone* field.

Port: The standard port for the ZENworks Primary Server is 443. If the server is using a different port, specify that port number.

4 Click *OK*.

The *Select Objects To Migrate* tab shows the object groups available to migrate, along with the number of objects in each group.

5 Continue with Section 1.6, “Migrating Objects,” on page 19.

1.6 Migrating Objects

For details on migrating objects in each group, see the topics below. Although the steps to migrate different types of objects are presented separately, it isn’t necessary to migrate one type of object at a time. You can migrate all data at once or choose what data to migrate. When you migrate inventory data, the administrator-defined fields, local product definitions, and custom report definitions are migrated by default.

When selecting objects to migrate, keep the following in mind:

- You can only migrate objects once.
- You need to migrate inventory data before asset management data.
- Inventory data and asset management data must be migrated using the same version of the migration utility.
- Workstations that have not been inventoried are not migrated. In addition, if the workstation is associated with a contract, the contract-workstation relationship isn’t migrated, either.

If you want to do a staged migration, select a subset of workstations to migrate. Do not migrate asset management data until all staging is complete. For more information about staging, see “Staging a Migration” on page 20.

To migrate the definitions only, see the related topics below:

- Section 1.6.1, “Migrating Inventory Data,” on page 19
- Section 1.6.2, “Migrating Administrator-Defined Field Definitions,” on page 22
- Section 1.6.3, “Migrating Local Product Definitions,” on page 23
- Section 1.6.4, “Migrating Asset Management Data,” on page 23
- Section 1.6.5, “Migrating Asset Management Data Only,” on page 25
- Section 1.6.6, “Migrating License Records,” on page 26
- Section 1.6.7, “Migrating Custom Reports,” on page 27
- Section 1.6.8, “Migration Performance Guidelines,” on page 30

For details about the Migration Console, see Chapter 2, “Migration Console Reference,” on page 31.

1.6.1 Migrating Inventory Data

When you migrate inventory data, by default you migrate the following:

- Devices (including workstations marked as deleted, if desired. For more information, see Section 1.6.1, “Migrating Inventory Data,” on page 19.)
- Device history
- Local software products
- Hardware/software components
- Asset management usage data

- Inventory and asset management administrator-defined fields (known as *user*-defined fields in ZENworks Asset Management 7.5)
- Inventory and asset management custom reports

NOTE: The Migrate All Inventory Data option is not available for Oracle database migration.

Staging a Migration

You can do a staged migration by selecting a subset of workstations to migrate. Usage and inventory data is migrated when the workstation is migrated; additional usage and inventory data accumulating in ZENworks Asset Management 7.5 after initial migration of a workstation is not migrated.

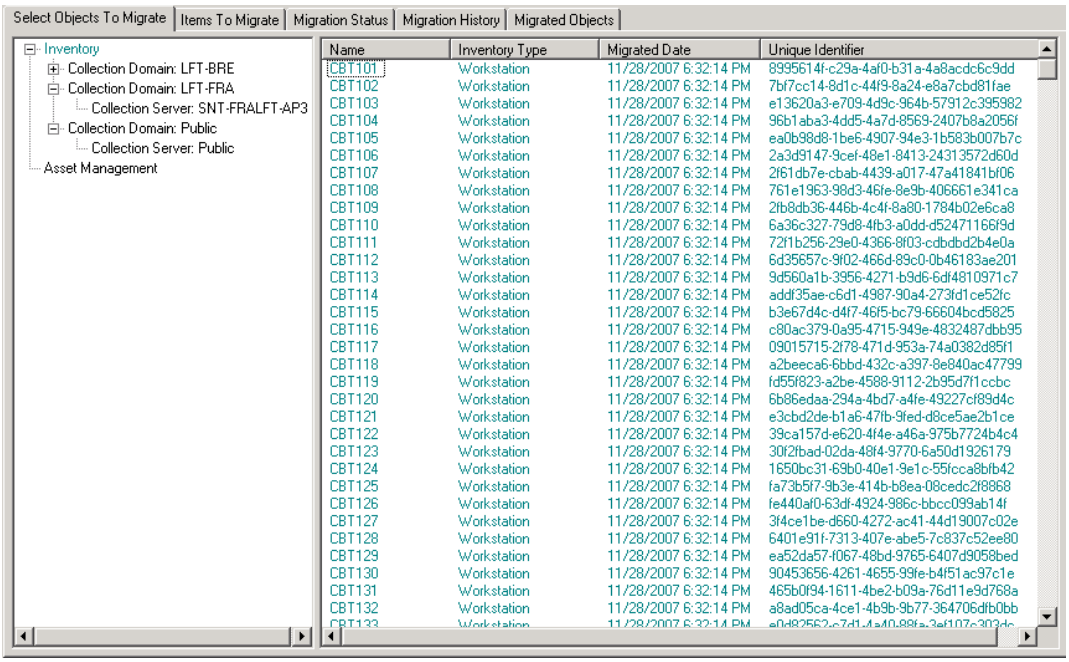
NOTE: Do not migrate asset management data until all staging is complete.

Migrating Deleted Workstations

You can migrate workstations marked as deleted in ZENworks Asset Management 7.5 to ZENworks 10 Asset Management. After migration, these workstations appear as discovered devices in ZENworks Control Center (*Devices* > *Discovered* > *Devices created via ZENworks Asset Management Migration*), but they are filtered out of Asset Management reports. For information on migrating deleted workstations, see Step 5 on page 21.

Migrating Inventory Data

1. Click *Start* > *All Programs* > Novell *ZENworks* > *ZENworks Asset Management Migration Utility*.
2. Log in to your ZENworks Asset Management 7.5 database and the ZENworks 10 Management Zone as shown in Section 1.4, “Selecting the Migration Source,” on page 14 and Section 1.5, “Selecting the Migration Destination,” on page 17.
3. Click the *Select Objects To Migrate* tab.



4 Click *Inventory* and select the desired collection domain and collection server.

A list of workstations is shown on the right.

5 Select the data to migrate.

- To select all workstations, right-click *Inventory* and select *Migrate All Inventory Data.* (The *Migrate All Inventory Data* option is not available for Oracle migration.)
- To select individual workstations, right-click a workstation listed on the right side of the panel and select *Add Item(s) To Migration Queue*. You can Shift+click or Ctrl+click to select more than one item.

NOTE: To migrate workstations marked as deleted, click *Tools* > *Options* and select *Migrate Deleted Workstations*.

---

6 (Optional) To remove workstations from the migration list, click the *Items to Migrate tab*, then right-click the workstation and select *Remove Item(s) from Migration Queue*.

7 Click *Start Migration*.

The *Migration Status* tab opens and displays the migration details. Migrated workstations appear as discovered devices in ZENworks Control Center (*Devices* > *Discovered* > *Devices created via ZENworks Asset Management Migration*).

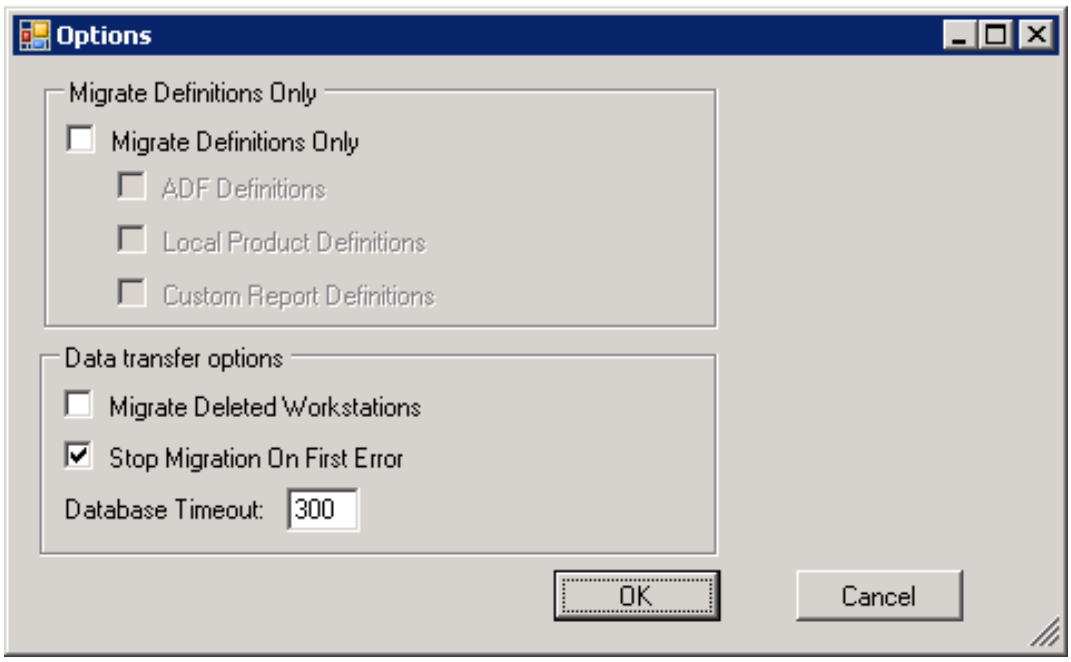
If you receive any of the following messages, see Section A.2, “ZAM Migration Utility Messages,” on page 40:

- There are no ZENworks 7 Desktop Management GUIDs in the inventory data.
- There are devices in your ZENworks Asset Management inventory data that are already present in the ZENworks Configuration Management target database.
- This ZENworks Asset Management device will not be migrated because it is already present in the ZENworks Configuration Management target database.

1.6.2 Migrating Administrator-Defined Field Definitions

Asset management and inventory administrator-defined field definitions are migrated automatically the first time an inventory migration is run. (Asset management administrator-defined fields are known as *user*-defined fields in ZENworks Asset Management 7.5.) If you want to migrate just the administrator-defined fields and not the inventory data, do the following:

1. Click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.
2. Log in to your ZENworks Asset Management 7.5 database and the ZENworks 10 Management Zone as shown in Section 1.4, "Selecting the Migration Source," on page 14 and Section 1.5, "Selecting the Migration Destination," on page 17.
3. Click *Tools* > *Options* to open the *Options* window.



4. Select *Migrate Definitions Only*.
5. Select *ADF Definitions*.
6. Click *OK*.
7. Right-click *User Defined Fields* and select *Migrate All User Defined Fields*.

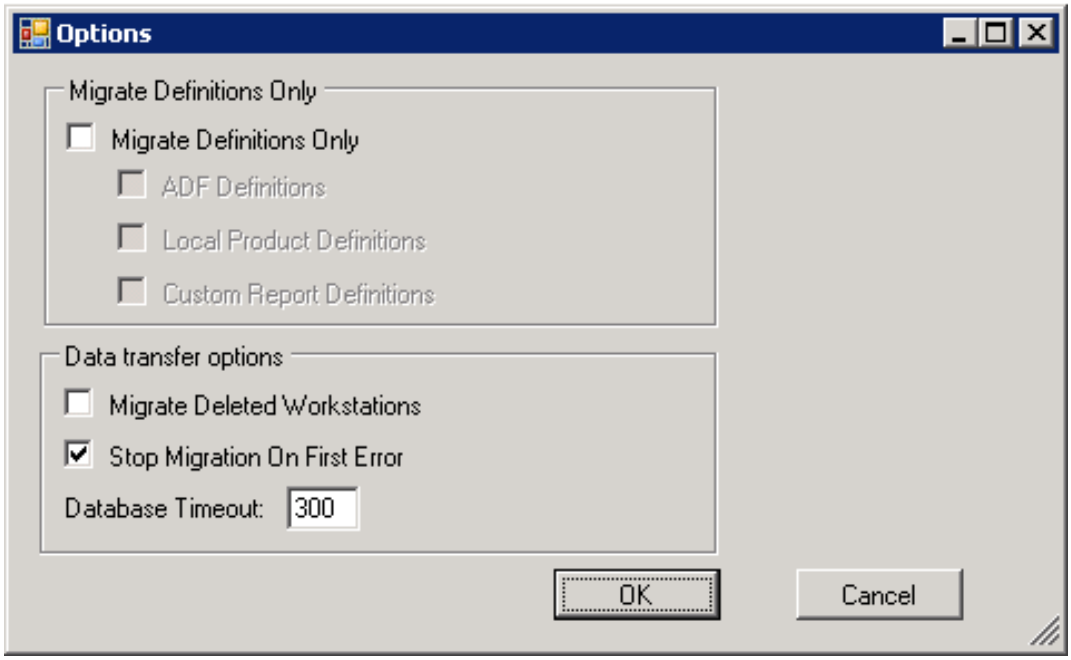
   The number of user-defined fields is displayed in the *Items To Migrate* tab. To remove the user-defined fields from the list, click the *Items To Migrate* tab, right-click *All User Defined Fields*, and select *Remove 'All User Defined Fields' from migration queue*. User-defined fields cannot be migrated individually.
8. Click *Start Migration*.

   The *Migration Status* tab opens and displays the migration details. Click *Cancel* to stop the process.

1.6.3 Migrating Local Product Definitions

Local product definitions are migrated automatically the first time an inventory migration is run. If you want to migrate just the local product definitions and not the inventory data, do the following:

1. Click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.
2. Log in to your ZENworks Asset Management 7.5 database and the ZENworks 10 Management Zone shown in Section 1.4, "Selecting the Migration Source," on page 14 and Section 1.5, "Selecting the Migration Destination," on page 17.
3. Click *Tools* > *Options* to open the *Options* window.



4. Select *Migrate Definitions Only*.
5. Select *Local Product Definitions*.
6. Click *OK*.
7. Right-click *Local Products* and select *Migrate All Local Product Definitions*.
8. (Optional) To remove the local product definitions from the migration list, click *Items to Migrate*, then right-click *All Local Product Definitions* and select *Remove 'All Local Product Definitions' from migration queue*.
9. Click *Start Migration*.

   The *Migration Status* tab opens and displays the migration details.

1.6.4 Migrating Asset Management Data

Migrated asset management data includes the following:

- Catalog products
- Discovered products

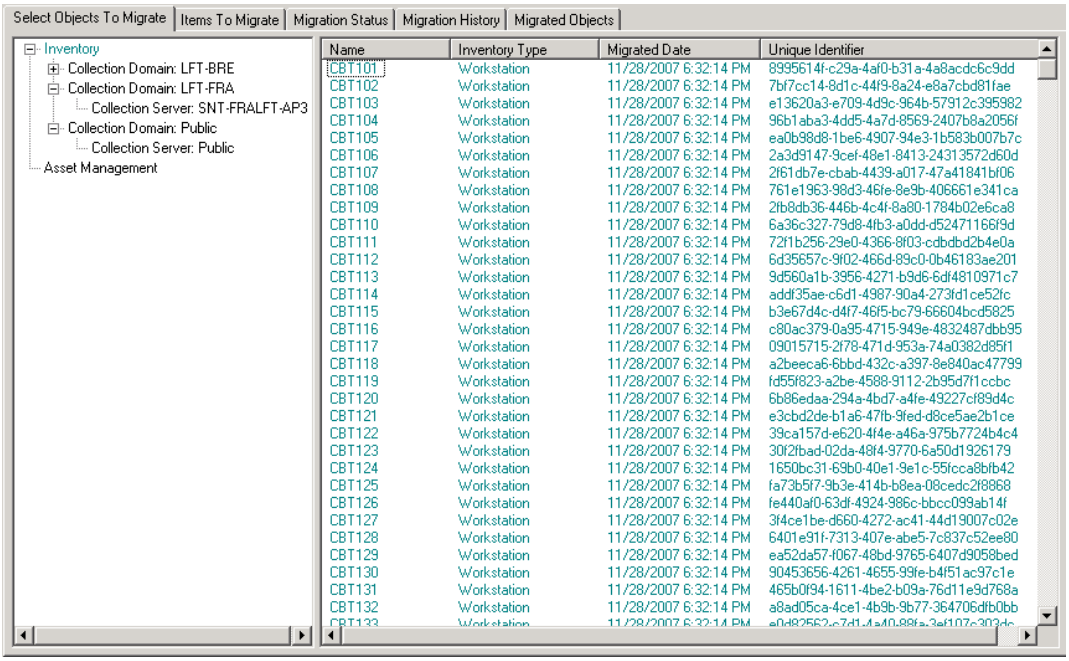
- Purchase records
- Licensed products (For more information on licensed product migration, see Section 1.6.6, “Migrating License Records,” on page 26.)
- Software collections
- Contracts and date notifications
- Documents
- License allocations, except for the following:
  - Allocations associated with “upgrade from” licensed products
  - Demographic allocations associated with the demographic value of “none”

NOTE: User-defined field values for catalog products and license records that are available in ZENworks Asset Management 7.5 IR 14 are not migrated.

WARNING: Do not migrate asset management data until you have migrated all the inventory workstations you intend to migrate.

To migrate asset management data:

1. Click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.
2. Log in to your ZENworks Asset Management 7.5 database and the ZENworks 10 Management Zone as shown in Section 1.4, “Selecting the Migration Source,” on page 14 and Section 1.5, “Selecting the Migration Destination,” on page 17.
3. Click the *Select Objects to Migrate* tab.



4. Right-click *Asset Management* and select *Migrate All Asset Management Data.*
5. (Optional) Click the *Items to Migrate* tab to see what items will be migrated.

6 Click *Start Migration*.

The *Migration Status* tab opens and displays the migration details.

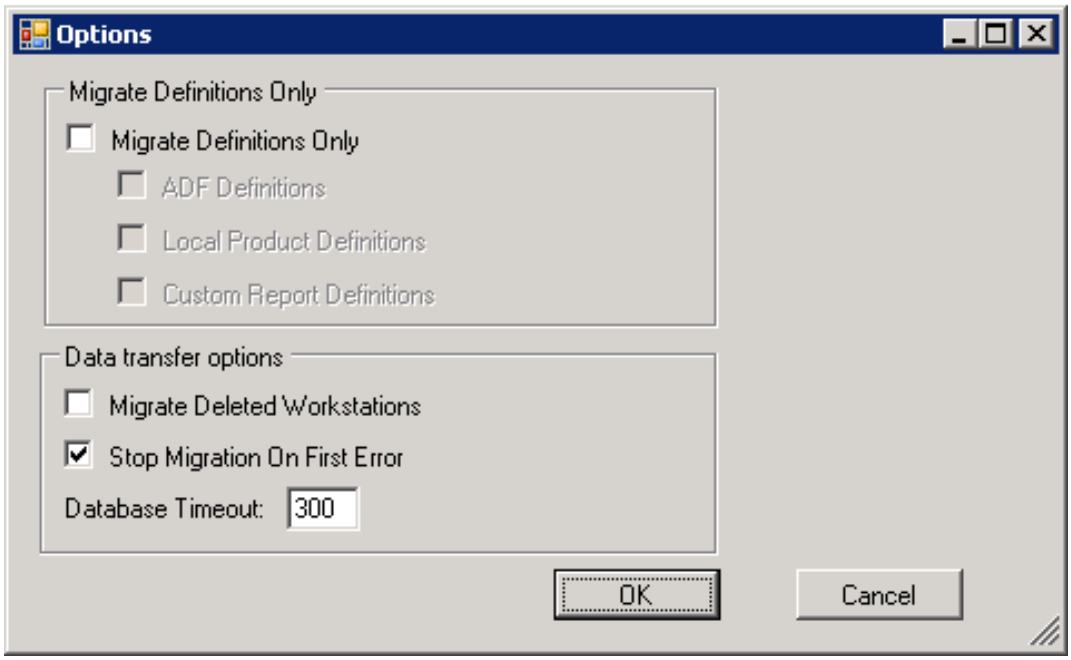
1.6.5 Migrating Asset Management Data Only

If you want to migrate asset management data (see Section 1.6.4, "Migrating Asset Management Data," on page 23) plus asset management custom reports and administrator-defined fields, do the following:

1 Click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.

2 Log in to your ZENworks Asset Management 7.5 database and the ZENworks 10 Management Zone as shown in Section 1.4, "Selecting the Migration Source," on page 14 and Section 1.5, "Selecting the Migration Destination," on page 17.

3 Click *Tools* > *Options* to open the *Options* window.



4 Select *Migrate Definitions Only*.

5 Select *ADF Definitions, Local Product Definitions*, and *Custom Report Definitions*.

NOTE: User-defined field values for catalog products and license records that are available in ZENworks Asset Management 7.5 IR 14 are not migrated.

6 Click *OK*.

7 On the *Select Objects to Migrate* tab, do the following:

7a Right-click *User Defined Fields* and select *Migrate All User Defined Fields*.

7b Right-click *Local Products* and select *Migrate All Local Products*.

7c Right-click *Custom Reports* and select *Migrate All Custom Reports*.

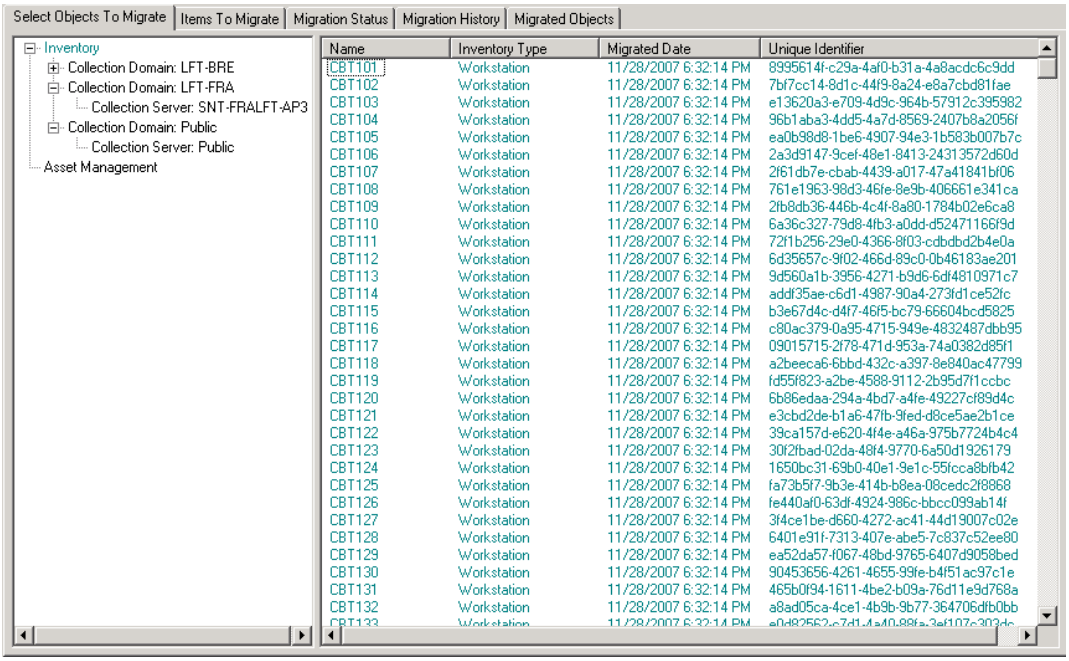
8 Click *Start Migration* and wait for the migration to finish.

9 Repeat Step 3 to open the *Options* window once again.

10 Uncheck *Migrate Definitions Only*.

11 Click *OK*.

12 Click the *Select Objects to Migrate* tab.



13 Right-click *Asset Management* and select *Migrate All Asset Management Data.*

14 Click *Start Migration*.

The *Migration Status* tab opens and displays the migration details.

1.6.6 Migrating License Records

License records in ZENworks Asset Management 7.5 have been replaced in ZENworks10 Asset Management with licensed products, which contain license entitlements. License entitlements contain the information required for compliance and proof of ownership.

When a ZENworks Asset Management 7.5 license record is migrated to ZENworks 10 Asset Management, a licensed product with a single license entitlement is created in ZENworks 10 Asset Management. The license entitlement contains all the compliance and proof of ownership information previously associated with the ZENworks Asset Management 7.5 license record, including the following:

- Reconciled discovered products
- Reconciled catalog products (and associated purchase records)
- Attached documents
- Associated contracts

User-defined field values for license records that are available in ZENworks Asset Management 7.5 IR 14 are not migrated.

If you have ZENworks Asset Management 7.5 license records with version upgrades, all license records in the upgrade path are consolidated in a single ZENworks10 Asset Management licensed product with multiple license entitlements, one entitlement for each license record in the upgrade path.

In ZENworks Asset Management 7.5, version upgrades can be linked to multiple sources, but in ZENworks 10 Asset Management, version upgrade license entitlements can only be linked to a single underlying entitlement. If you have upgrades that have been linked to multiple sources in ZENworks Asset Management 7.5, you need to review or modify the associated licensed products and license entitlements in ZENworks10 Asset Management after migration.

1.6.7 Migrating Custom Reports

The following topics provide more information on migrating custom reports:

- "Reports That Are Migrated" on page 27
- "Reports That Are Not Migrated" on page 27
- "Migrating Custom Reports from ZENworks Asset Management" on page 29

Reports That Are Migrated

The following ZENworks Asset Management 7.5 custom reports can be migrated to ZENworks 10 Asset Management:

- Workstation inventory reports
- Software usage reports
- Software management reports
- Contract management reports

In addition, Custom Report Alerts/Schedules, along with the e-mail list from ZENworks Asset Management 7.5, are migrated with custom reports. After migration, ZENworks 10 Asset Management evaluates each report to determine if it needs to be run. The option to attach the report results in CSV format is changed during migration to attach the results in an Excel format.

You can view schedule information for a report in ZENworks Control Center by navigating to the specific report page and clicking *Schedule/Notification*. You can view the e-mail list by clicking *Configuration* > *Asset Inventory*.

Reports That Are Not Migrated

The following reports are not migrated:

- Reports containing the following fields:
  - Workstation Is Checked Out
  - Workstation Checked In/Out Date
  - Product License Count
  - Product License ID
  - Product License Name
  - (Product) License Required

- License Platform
- Last Scan Date/Time
- Default Gateway (Workstation)
- Subnet Mask (Workstation)
- Over/Under (Summary) (Software Compliance)
- Any fields related to Connection Information, Collection Servers, or Collection Domains

If you want to migrate a report containing one or more of the fields above, create a version of the report in ZENworks Asset Management 7.5 with those fields removed and then migrate that version. If you don't remove those fields, no part of the report is migrated. Keep in mind that reports can only be migrated once.

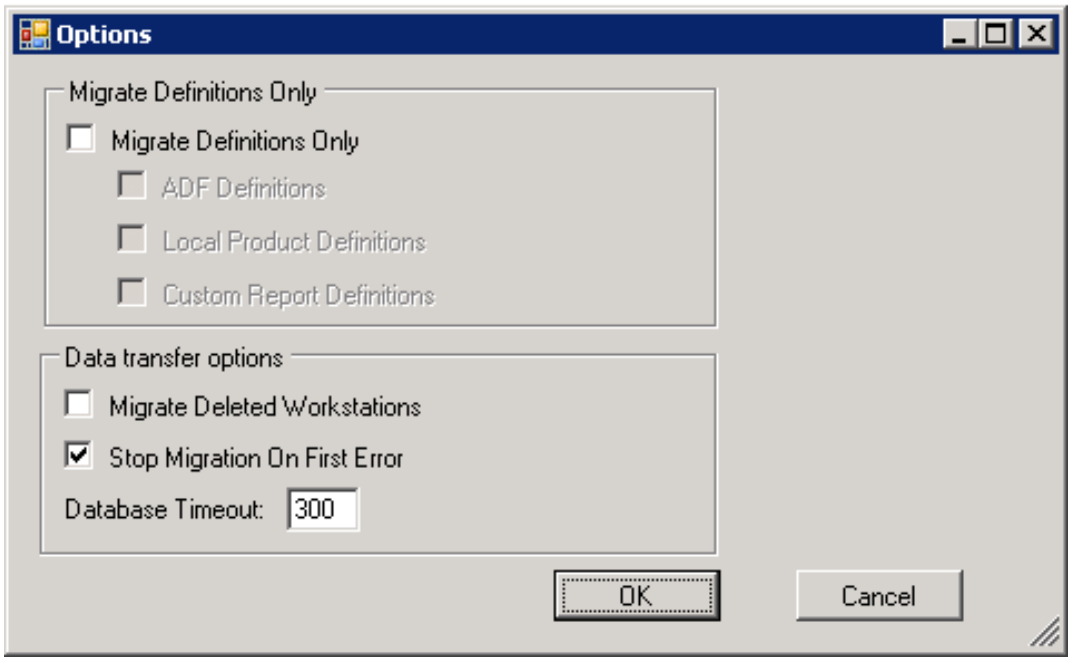
- Custom reports distributed with ZENworks Asset Management 7.5. Equivalent reports are available in ZENworks 10 Asset Management. If you have made changes to these reports in ZENworks Asset Management 7.5 and want to keep those changes, make a copy before migrating the reports, and the copy is migrated.
- Stored report results (Stored report results can be viewed in ZENworks Asset Management 7.5.)
- Report folder rights. By default, all ZENworks 10 Asset Management users have read-only access to the migrated report folders.
- Reports with the following focus are not migrated:
  - Connection Information
  - Component Filtering
  - Hardware - DMI
  - License Allocation - Demographic
  - License Allocation - Workstation
  - Licenses - Associated Documents
  - Purchase/License/Inventory Infrastructure
- Reports with a criteria of Workstation in Report or Workstation not in Report when the following criteria are met:
  - The referenced report will not be migrated and the reference report is not one of the predefined reports distributed with ZENworks 10 Asset Management.
  - The custom report is based on a predefined report whose report definition has been modified or deleted in ZENworks 10 Asset Management.

NOTE: A bug in ZENworks Asset Management 7.5 can cause an error when Hardware – System Board reports are imported into ZENworks 10 Asset Management. This is because in ZENworks Asset Management 7.5, both Bus 1 Slot and Bus 2 Slot columns are linked to the Bus 2 Slot column in the database. Reports containing both of these columns cause the following error message: `NC_SystemBoard.Bus2Slots is not unique`. To resolve this, go to the report definition and remove one of the Bus 2 Slot columns from the list of selected columns.

Migrating Custom Reports from ZENworks Asset Management

Custom reports are migrated automatically the first time an inventory migration is run. If you want to migrate just the custom reports and not the inventory data, do the following:

1. Click *Start* > *All Programs* > *Novell ZENworks* > *ZENworks Asset Management Migration Utility*.
2. Log in to your ZENworks Asset Management 7.5 database and the ZENworks 10 Management Zone as shown in Section 1.4, "Selecting the Migration Source," on page 14 and Section 1.5, "Selecting the Migration Destination," on page 17.
3. Click *Tools* > *Options* to open the *Options* window.



4. Select *Migrate Definitions Only.*
5. Select *Custom Report Definitions*.

   Reports are migrated in a group; they cannot be migrated individually. Administrator-defined field definitions should be migrated with or before custom report definitions. If administrator-defined field definitions are not migrated, any custom report containing administrator-defined field columns is blocked from migration.
6. Click *OK*.
7. Click *Start Migration*.

   The *Migration Status* tab opens and displays the migration details. Migrated folders have the prefix `migrate` added to the folder name.

1.6.8 Migration Performance Guidelines

Migrating all inventory data takes significantly longer than migrating asset management data only, unless the inventory has very few devices. The guidelines listed below are very broad, and your actual performance depends on several factors, including:

- Configuration of the database server(s) hosting the ZENworks Asset Management 7.5 and ZENworks 10 Asset Management databases
- Network speed and configuration
- Amount of Usage and History data in the ZENworks Asset Management 7.5 database

It is strongly recommended that you purge the ZENworks Asset Management 7.5 database before you begin the migration process.

- "Migrating To SQL Server" on page 30
- "Migrating To Sybase Embedded" on page 30
- "Migrating To Oracle" on page 30

Migrating To SQL Server

- Small databases (200 devices) should take less than 30 minutes
- Medium databases (1500 devices) should take less than 1 hour
- Very Large databases (30,000 devices) can take 12-24 hours

Migrating To Sybase Embedded

- Small databases (200 devices) should take less than 30-45 minutes
- Larger databases (1000 devices) should take less than 1 hour

Migrating To Oracle

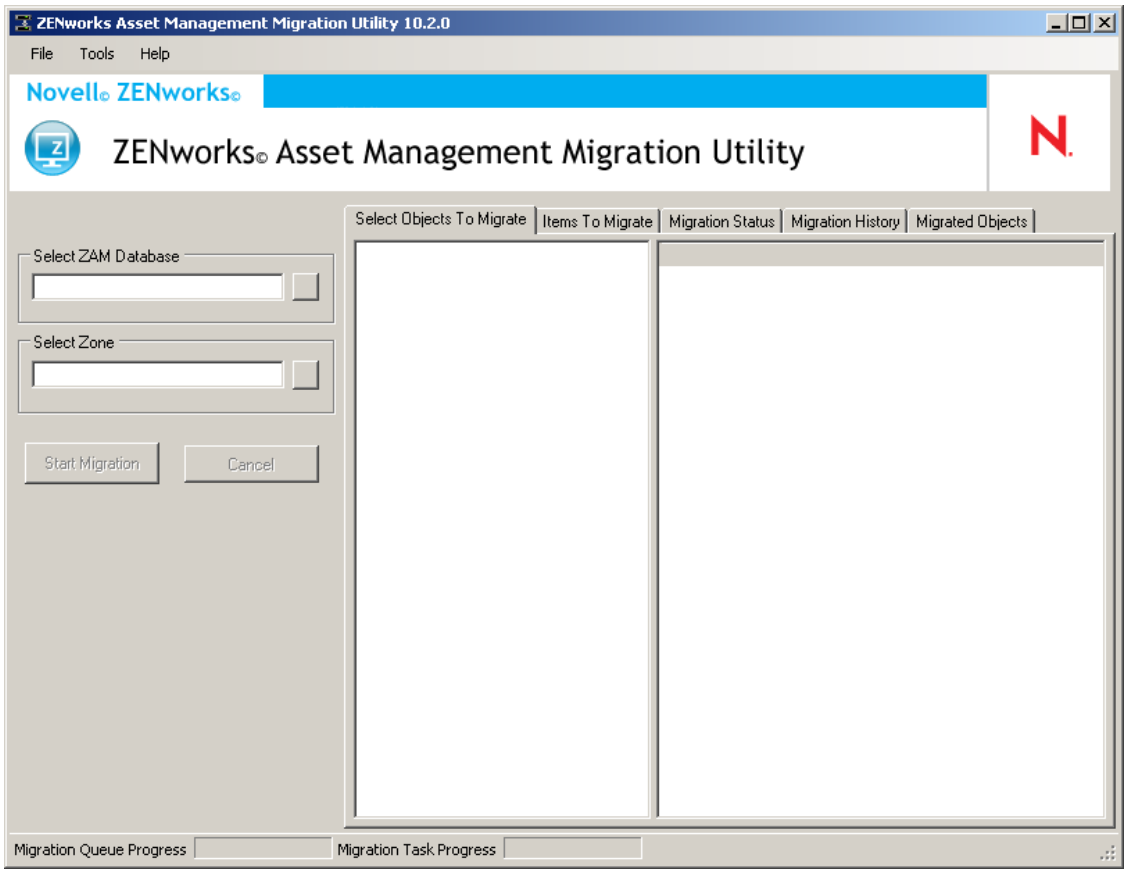
- Expect 30-45 seconds per device migrated

Migration Console Reference

2

When you log in to the Novell ZENworks 10 Asset Management Migration utility, the migration console is displayed.

Figure 2-1 *The Migration Console*



The following sections provide reference information to help you navigate and use the console features:

- Section 2.1, “Menu Options,” on page 32
- Section 2.2, “Select Objects to Migrate Tab,” on page 33
- Section 2.3, “Items to Migrate Tab,” on page 34
- Section 2.4, “Migration Status Tab,” on page 34
- Section 2.5, “Migration History Tab,” on page 34
- Section 2.6, “Migrated Objects Tab,” on page 34
- Section 2.7, “Select ZAM Database Field,” on page 35
- Section 2.8, “Select Zone Field,” on page 37
- Section 2.9, “Start Migration Button,” on page 38

- Section 2.10, “Cancel Button,” on page 38
- Section 2.11, “Migration Queue Progress,” on page 38
- Section 2.12, “Migration Task Progress,” on page 38

2.1 Menu Options

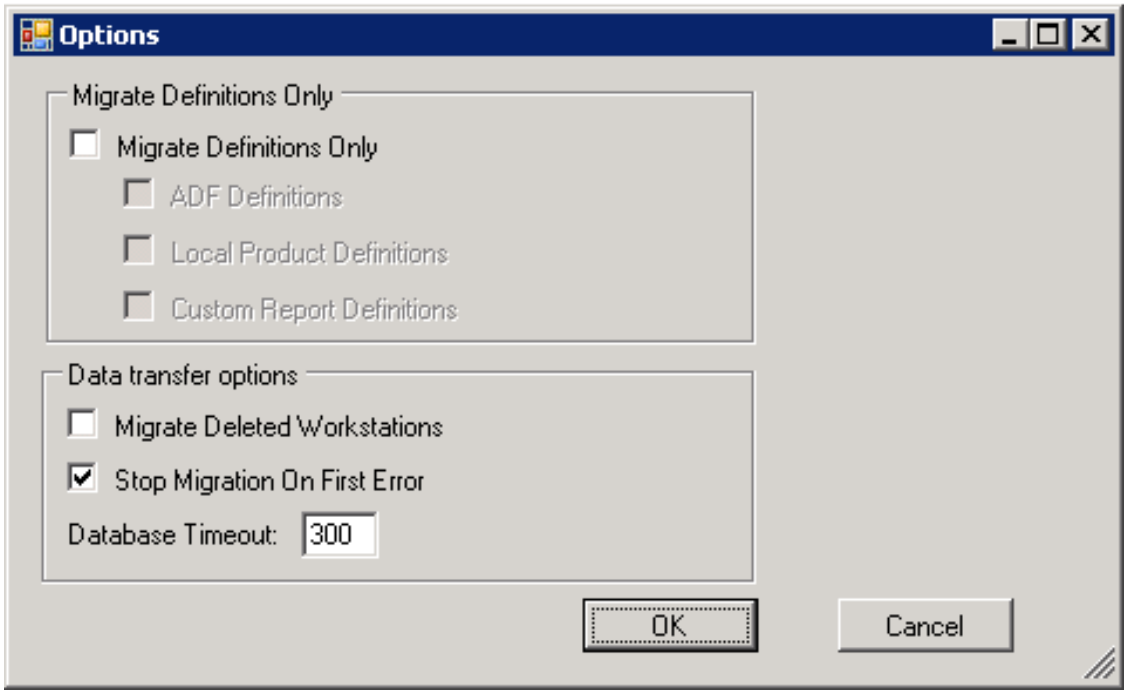
The following options are available:

- **File:** Click *File* > *Exit* to exit the migration console.
- **Tools:** Click *Tools* > *Options* to open the *Options* window, where you select the object definitions you want to migrate: administrator-defined field definitions, local product definitions, or custom report definitions. Select these options only if you will not be migrating inventory data. If you migrate inventory data, these definitions are migrated by default. For more information, see Section 1.6, “Migrating Objects,” on page 19.

  The *Options* window also allows you to select data transfer options:

  - **Migrate Deleted Workstations:** Select this option to migrate workstations that are marked for deletion in ZENworks Asset Management 7.5.
  - **Stop Migration On First Error:** Select this option to stop the migration process on the first encountered error. For SQL Server, unchecking this option might result in partial loss of data when restarting a failed migration. For more information, see Appendix B, “ZENworks Objects and Their Uniqueness,” on page 43.
  - **Database Timeout:** This option allows you to set how long a query can take before it times out. The default value is 300 seconds (5 minutes). You might need to increase this value if you are querying over a slow or a congested connection.

Figure 2-2 *The Options Window*



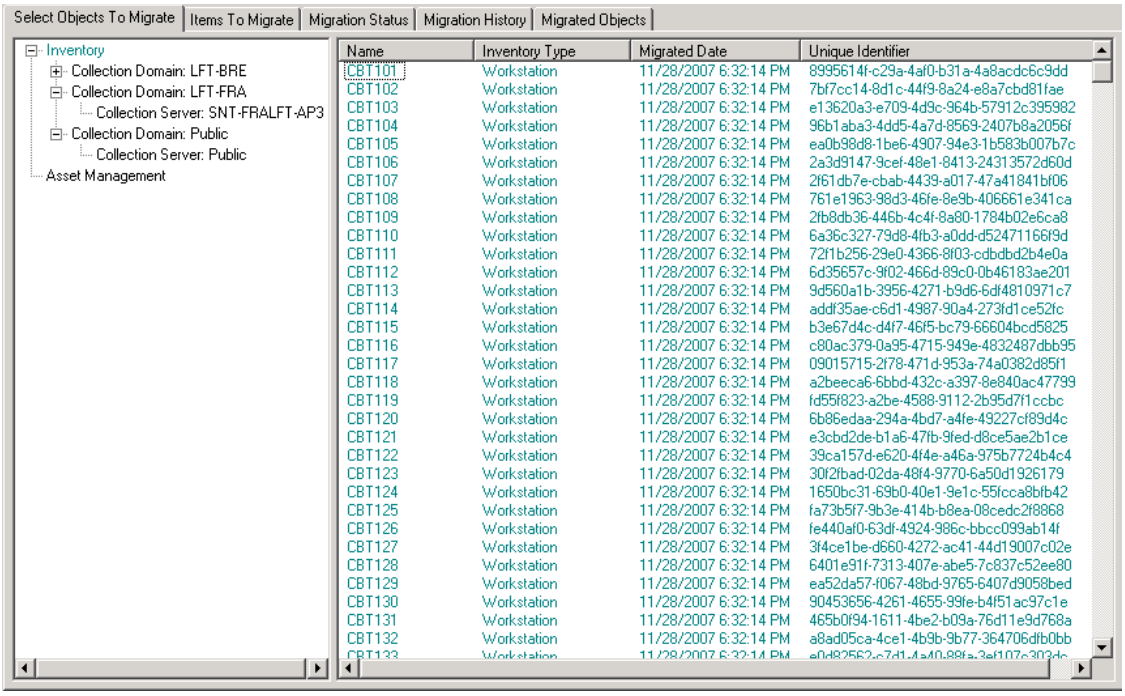
2.2 Select Objects to Migrate Tab

Click the *Select Objects To Migrate* tab to display the objects you can migrate. For information on migrating these objects, see Section 1.6, “Migrating Objects,” on page 19.

- **Inventory:** Inventory data for the enterprise. Use these objects to migrate inventory data. For more information, see Section 1.6.1, “Migrating Inventory Data,” on page 19.
- **Administrator-Defined Fields:** Custom fields defined in ZENworks Asset Management 7.5. (Asset management administrator-defined fields are known as *user*-defined fields in ZENworks Asset Management 7.5.) You can choose to migrate just the administrator-defined field definitions or the field definitions along with the data values. For more information, see Section 1.6.2, “Migrating Administrator-Defined Field Definitions,” on page 22.
- **Local Products:** Software products created and identified to be tracked as part of your inventory. Only the definitions are migrated, not the inventory data. For more information, see Section 1.6.3, “Migrating Local Product Definitions,” on page 23.
- **Asset Management:** Asset management data for the enterprise. Use these objects to migrate asset management data. For more information, see Section 1.6.4, “Migrating Asset Management Data,” on page 23.
- **Custom Reports:** Inventory and asset management custom reports defined in ZENworks Asset Management 7.5. Use these objects to migrate custom reports. For more information, see Section 1.6.7, “Migrating Custom Reports,” on page 27.
- **Deleted Workstations:** Workstations that are marked as deleted in ZENworks Asset Management 7.5. Use these objects to migrate the workstations that are marked as deleted. For more information, see Section 1.6.1, “Migrating Inventory Data,” on page 19.

Click a collection server to display the workstations in that group in the panel on the right. Click *Deleted Workstations* to display the workstations that are marked as deleted in ZENworks Asset Management 7.5 in the panel on the right. The workstation Name, Inventory Type, Migrated Date, and Unique Identifier are displayed.

Figure 2-3 *Select Objects to Migrate*



2.3 Items to Migrate Tab

The *Items to Migrate* tab shows the name, object type, and the unique identifier of each selected object. Right-click an object and select *Remove Item(s) from Migration Queue* to remove the object from the migration list.

2.4 Migration Status Tab

When you migrate an object, you are automatically taken to the *Migration Status* tab, which shows the progress and details of the migration.

2.5 Migration History Tab

The *Migration History* tab shows what objects have been migrated, along with the object type, status, and migration date. To see the detailed status of a specific migrated object, right-click the object and select *Detailed Status*. The *Migration Status* tab opens with details about the migration. To see a detailed list of migrated objects, right-click the object and select *Migrated Objects*. The *Migrated Objects* tab opens with a detailed list of migrated objects.

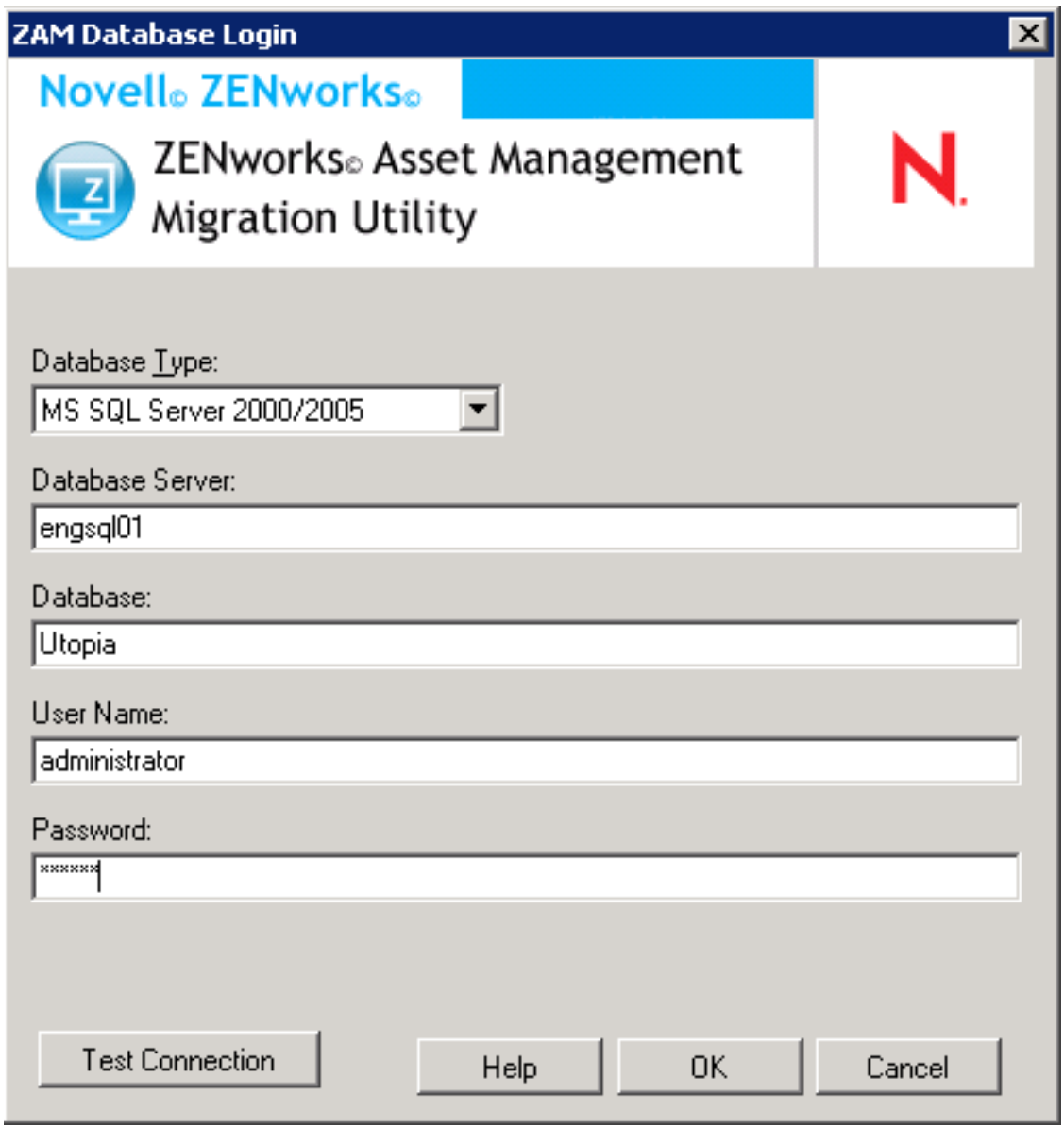
2.6 Migrated Objects Tab

The *Migrated Objects* tab shows the objects that have been successfully migrated, including the object type, migrated date, and the object's unique identifier.

2.7 Select ZAM Database Field

The *Select ZAM Database* field shows your source database, which is your ZENworks Asset Management 7.5 database. Click the button to the right of the Database Type field to open the *ZAM Database Login* dialog box, where you can log in to your source database. For Microsoft SQL migration, you see the following screen:

Figure 2-4 *ZAM Database Login for Microsoft SQL Server Migration*



Database Type: Specify the database type. For example, specify *MS SQL Server 2000/2005* for both external and embedded MS SQL Server databases.

Database Server: Specify either the DNS name or IP address of the database server. Each time you use this dialog box, the last server you logged in to is displayed here.

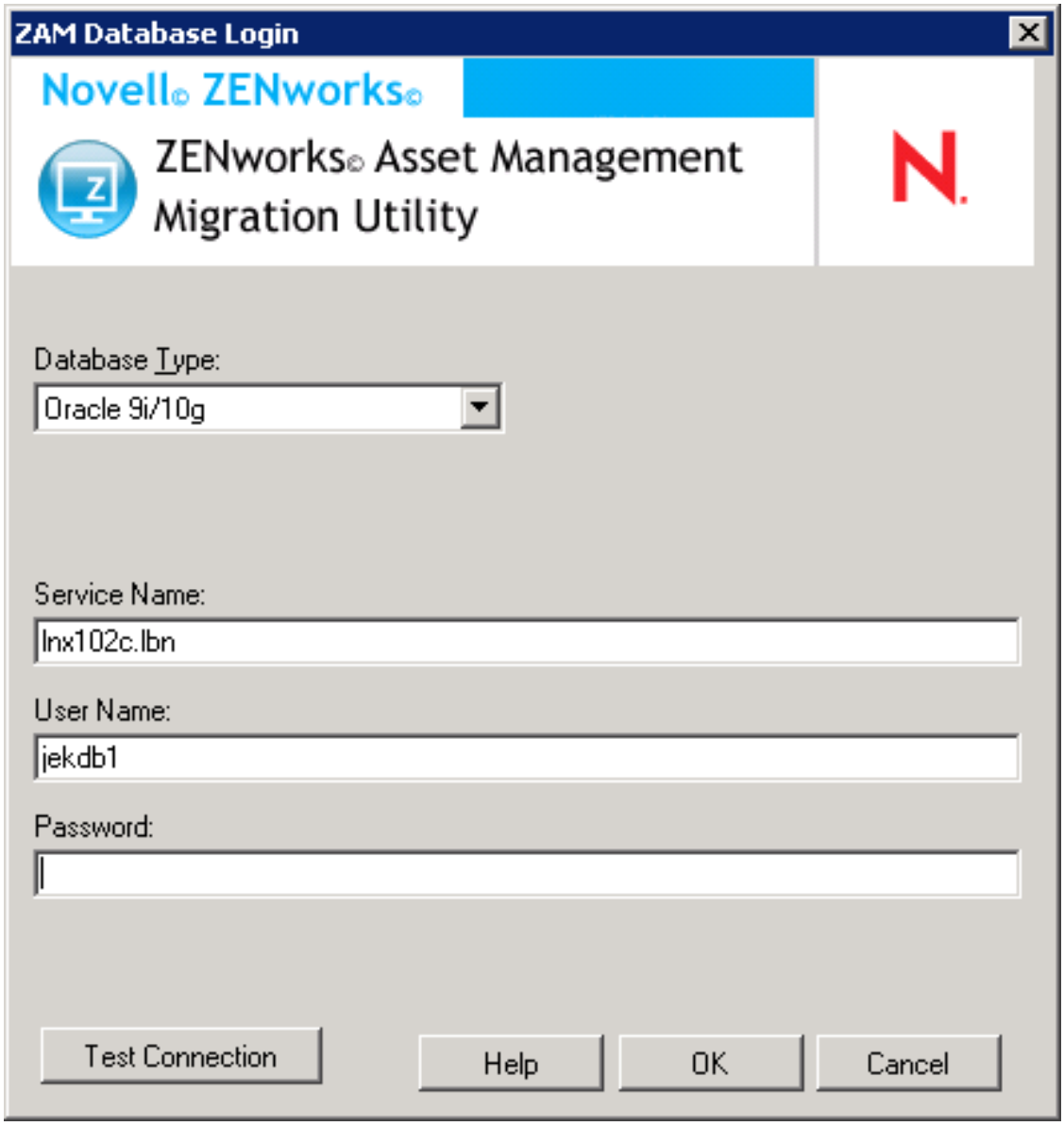
Database: Specify the database name. Each time you use this dialog box, the last database you logged in to is displayed here.

User Name: Specify the username. Each time you use this dialog box, the last username you used is displayed here.

Password: Specify the password. This must be specified every time to authenticate.

For Oracle migration, you see the following screen:

Figure 2-5 *ZAM Database Login*



Database Type: Specify the database type. For example, specify *Oracle 9i/10g* for the latest Oracle database type.

Service Name: For Oracle migration, specify the service name. Each time you use this dialog box, the last service you logged in to is displayed here.

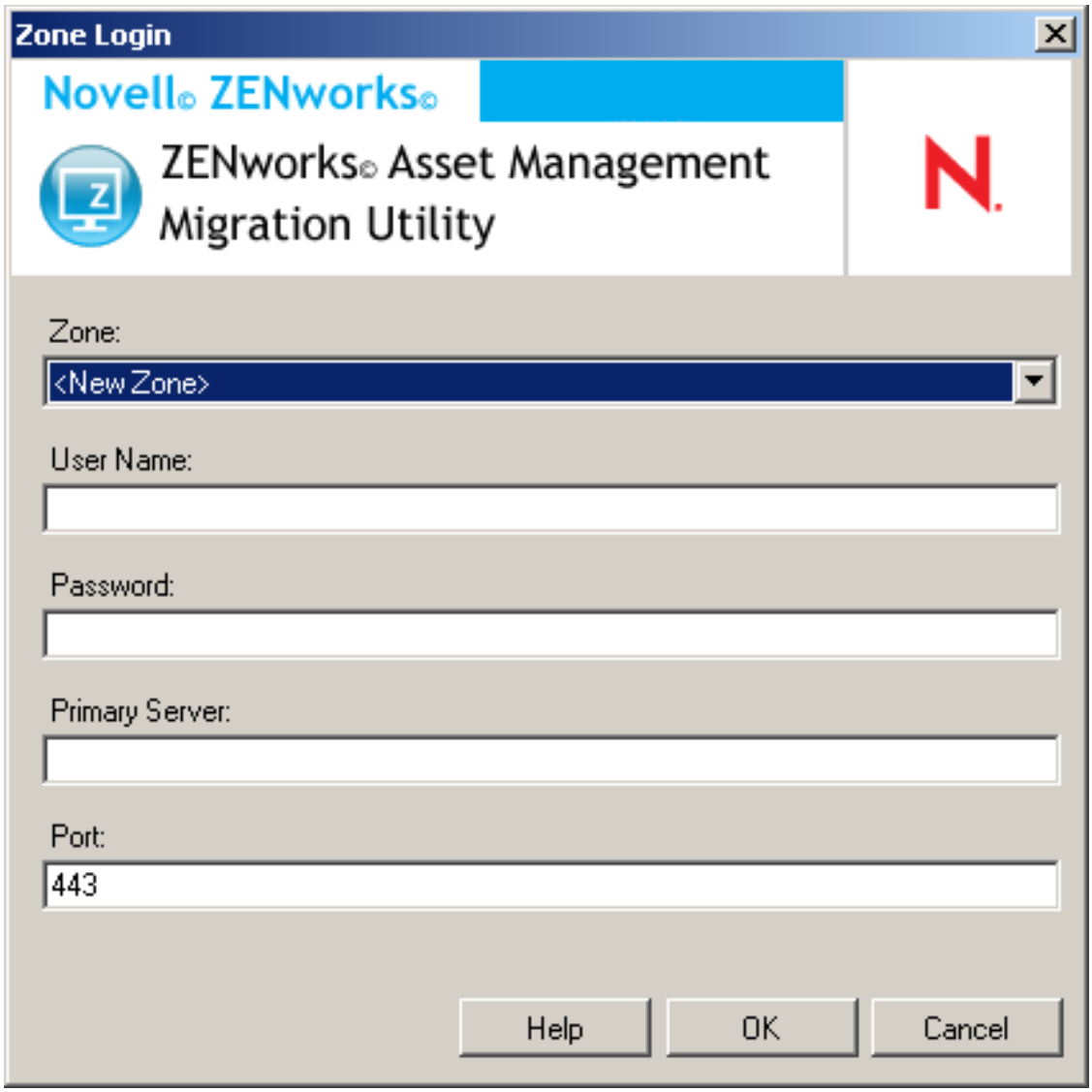
User Name: Specify the username. Each time you use this dialog box, the last username you used is displayed here.

Password: Specify the password. This must be specified every time to authenticate.

2.8 Select Zone Field

The *Select Zone* field shows the migration destination, which is your Management Zone for ZENworks 10 Configuration Management. Click the button to the right of the field to open the *Zone Login* dialog box, where you can select the destination database.

Figure 2-6 *Zone Login*



Zone: Specify your Management Zone. Each time you use this dialog box, the last zone that you logged in to is displayed here.

User Name: Specify the username for the zone. *Administrator* is normally used.

Password: Specify the password. This must be entered every time to authenticate.

Primary Server: Specify either its DNS name or IP address. This field is automatically populated when you select a Management Zone in the *Zone* field.

2.9 Start Migration Button

After you select the objects you want to migrate, click *Start Migration* to begin the migration process.

2.10 Cancel Button

The *Cancel* button stops the migration process at the point when you click it. Objects that have already migrated when the *Cancel* button is clicked are not rolled back.

2.11 Migration Queue Progress

Located at the bottom of the console window, this indicator shows the progress of the migration queue.

2.12 Migration Task Progress

Located at the bottom of the console window, this indicator shows the progress of the migration task.

Migrating Both ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management

A

To successfully migrate both ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management to ZENworks 10, follow the migration order presented below. Doing so ensures the successful migration of each ZDM 7/ZAM 7.5 workstation into one ZENworks 10 managed device and retains all ZDM 7 assignments and ZAM 7.5 data associated with the workstation.

IMPORTANT: The ZENworks 10 Adaptive Agent and ZENworks 7 Desktop Management Agent can coexist on the same workstation if the only Adaptive Agent feature that is enabled is Asset Management. Enabling features related to other ZENworks 10 products (Configuration Management and Patch Management) on the same machine as ZENworks 7 Desktop Management is not supported.

- Section A.1, “Migration Order,” on page 39
- Section A.2, “ZAM Migration Utility Messages,” on page 40

A.1 Migration Order

1. Upgrade ZENworks 7.5 Asset Management to the IR19 (or later) release.

   You can use the Novell Patch Finder (http://download.novell.com/patch/finder/) to locate and download IR19.

2. In ZENworks 7.5 Asset Management, scan all ZDM 7/ZAM 7.5 workstations that you want to become ZENworks 10 managed devices. The scan adds the ZENworks 7 Desktop Management GUID (for each workstation) to the ZENworks 7.5 Asset Management inventory database.

   Make sure that the scan cycle completes for all workstations you want to migrate. It might be necessary to run multiple scans to cover all workstations.

   For information about running an inventory scan, see the *ZENworks 7.5 Asset Management Guide* (http://www.novell.com/documentation/zam75/pdfdoc/am75admin/asset_management_users_guide.pdf)

3. Run the ZENworks 10 Asset Management migration utility to migrate the inventory data. The utility does the following:

   - Creates the ZDM 7/ZAM 7.5 workstations as migrated devices in the ZENworks 10 database. The workstation's ZDM 7 GUID is used when creating the ZENworks 10 device object.
   - Migrates the ZENworks 7.5 Asset Management inventory data (for each workstation) to the ZENworks 10 database.

   For information about running the utility, see Chapter 1, “Using the Migration Utility,” on page 9.

4. (Optional) Run the ZENworks 10 Asset Management migration utility to migrate the asset management data.

For information about running the utility, see Chapter 1, “Using the Migration Utility,” on page 9.

5 Run the ZENworks 10 Configuration Management migration utility. The utility adds the existing ZENworks 7 Desktop Management objects and associations to the ZENworks 10 database.

When you run the ZCM 10 migration utility, do not migrate the workstations. Because of the ZAM migration utility, the workstations already exist as devices in the ZENworks 10 database. Instead, migrate the objects (applications, images, policies, and so forth) and the associations.

For information about running the utility, see the *ZENworks 10 Configuration Management ZENworks Migration Guide* (http://www.novell.com/documentation/zcm10/zcm10_zen_migration/data/bookinfo.html).

6 Uninstall the ZENworks 7 Desktop Management Agent from the ZDM 7/ZAM 7.5 workstations.

This must be done before installing the ZENworks 10 Adaptive Agent.

7 Deploy the ZENworks 10 Adaptive Agent to the ZDM 7/ZAM 7.5 workstations.

The ZENworks 10 Adaptive Agent is registered in the ZENworks 10 database and linked to the correct migrated device object. The migrated device object is then changed to a managed device object that has the correct ZDM 7/ZAM 7.5 associations and data associated with it.

A.2 ZAM Migration Utility Messages

The migration utility generates several messages associated with migration of ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management. These messages are designed to help ensure a successful migration.

There are no ZENworks 7 Desktop Management GUIDs in the inventory data.

Explanation: The migration utility did not find any ZDM 7 GUIDs for any of the ZAM 7.5 workstations selected for migration.

Cause: The workstations have not been scanned using ZENworks 7.5 Asset Management IR19 (or later). IR19 includes a modified inventory collector that reads the ZDM7 GUID from the workstation’s registry and adds it to the inventory data. This shared GUID enables the ZAM 7.5 inventory data and ZENworks 7 Desktop Management associations to be reconciled to the same ZENworks 10 managed device.

Action: Install IR19 and rescan the workstations (see Step 2 on page 39 for details). If you don’t have ZDM 7, ignore the message.

There are devices in your ZENworks Asset Management inventory data that are already present in the ZENworks Configuration Management target database.

Explanation: The migration utility found devices in the ZENworks 10 database that have the same GUID as the workstations being migrated from the ZENworks 7.5 Asset Management database.

Cause: The ZENworks 10 Configuration Management migration utility was run before the ZENworks 10 Asset Management migration utility and the ZDM 7 workstations were migrated to the ZENworks 10 database. Because the ZDM 7/ZAM 7.5 workstations share the same GUID, the ZAM migration utility

can’t add the workstations. You must use the ZAM migration utility, not the ZCM migration utility, to add the ZDM 7/ZAM 7.5 workstations to the ZENworks 10 database.

Action: Delete the existing duplicate devices from the ZENworks 10 database. Run the ZENworks 10 Asset Management migration utility (see Step 3 on page 39), then run the ZENworks 10 Configuration Management migration utility (see Step 5 on page 40). When you run the ZCM 10 migration utility, do not migrate the workstations; the workstations already exist as devices in the ZENworks 10 database. Instead, migrate only the objects (applications, images, policies, and so forth) and the workstations’ associations.

This ZENworks Asset Management device will not be migrated because it is already present in the ZENworks Configuration Management target database.

Explanation: The migration utility found a device in the ZENworks 10 database that has the same GUID as the workstation being migrated from the ZENworks 7.5 Asset Management database.

Cause: The ZENworks 10 Configuration Management migration utility was run before the ZENworks 10 Asset Management migration utility and the ZDM 7 workstation was migrated to the ZENworks 10 database. Because the ZDM 7/ZAM 7.5 workstations share the same GUID, the ZAM migration utility can’t add the workstation. You must use the ZAM migration utility, not the ZCM migration utility, to add the ZDM 7/ZAM 7.5 workstation to the ZENworks 10 database.

Action: Delete the existing duplicate device from the ZENworks 10 database. Run the ZENworks 10 Asset Management migration utility (see Step 3 on page 39), then run the ZENworks 10 Configuration Management migration utility (see Step 5 on page 40). When you run the ZCM 10 migration utility, do not migrate the workstation; the workstation already exists as a device in the ZENworks 10 database. Instead, migrate only the objects (applications, images, policies, and so forth) and the workstation’s associations.

ZENworks Objects and Their Uniqueness

B

During migration of asset management data, most of the asset management objects (e.g., Purchase Records, Licensed Products) are migrated without checking for duplicate objects in ZENworks 10 Asset Management. This can lead to the following outcomes if there are objects in ZENworks 10 Asset Management that match objects being migrated from ZENworks Asset Management 7.5 (see Section B.1, "Duplicate Object Details," on page 43 for what constitutes a duplicate of each object type):

- If the migration process is restarted due to errors, the ZENworks Asset Management 7.5 data has already been partially migrated. Because of the partially migrated data, the already migrated objects are rejected and the migration utility reports duplicate key violations.
  - If you are migrating to ZENworks 10 Asset Management running on an SQL Server, you can fix the duplicates and then restart the migration utility, making sure to turn off the *Stop Migration on First Error* setting. However, restarting migration might result in loss of data. If this possibililty is not acceptable, we recommend that you restore the ZENworks Asset Management 7.5 and ZENworks 10 Asset Management database backups, resolve the duplicates, then run the migration utility again.
  - If you are migrating to ZENworks 10 Asset Management running on either Sybase or Oracle, you need to restore the ZENworks Asset Management 7.5 and ZENworks 10 Asset Management database backups, resolve the duplicates, then run the migration utility again.
- If the objects are duplicates and the ZENworks 10 Asset Management version of the object is not in a subfolder, the migration utility produces an error. Some or all of the duplicate objects that the migration utility was processing (e.g., licenses) are not moved to ZENworks 10 Asset Management.
- If the objects are duplicates but the ZENworks 10 Asset Management version of the object is in a subfolder, the migration utility adds the object to ZENworks 10 Asset Management. You end up with two objects in ZENworks 10 with matching names, but in different folders. The exception to this is Contracts, which does not allow duplicate Contract ID's in ZENworks 10 Asset Management, even in subfolders.

B.1 Duplicate Object Details

- Section B.1.1, "Purchase Records," on page 44
- Section B.1.2, "Catalog Products," on page 44
- Section B.1.3, "Licensed Products," on page 44
- Section B.1.4, "Discovered Products," on page 44
- Section B.1.5, "Software Collections," on page 44
- Section B.1.6, "Contracts," on page 44
- Section B.1.7, "Date Notifications," on page 45
- Section B.1.8, "Documents," on page 45

B.1.1 Purchase Records

A ZENworks Asset Management 7.5 Unique Record is a combination of PO Number + Order Date. During migration, the PO number is used unless it is empty; in that case, the Order Date is used as part of a newly created PO number.

B.1.2 Catalog Products

A ZENworks Asset Management 7.5 Unique Record is a combination of Manufacturer + Product + Product Type + Version + Licenses Per Package.

B.1.3 Licensed Products

A ZENworks Asset Management 7.5 Unique Record is a combination of Manufacturer + Product + Version information. If a License is not a duplicate, but has an associated catalog product that is also associated with an existing License in ZENworks 10, the migration utility produces an error because the database does not allow the same catalog product to be associated with multiple licenses.

If a License is not a duplicate, but has a discovered product that is also associated with an existing License in ZENworks 10 Asset Management, the migration will continue. Consumption numbers for the two licenses will not be accurate because the discovered product is counted as installations for both licenses. You should remove the discovered product from one of the licenses in ZENworks 10 Asset Management.

B.1.4 Discovered Products

The migration utility will only migrate local products. It does not migrate duplicates.

B.1.5 Software Collections

A ZENworks Asset Management 7.5 Unique Record is a combination of Manufacturer + Product + Version information. In ZENworks Asset Management 7.5, if you enter duplicate values for a collection, ZENworks Asset Management increments the Product value.

If non-duplicate collections are defined in ZENworks Asset Management 7.5 and ZENworks 10 Asset Management that require the same Member Product(s), the migration utility transfers this data to ZENworks 10. This action causes both collections to count installations against the same product(s), so you should fix this in ZENworks 10 Configuration Management.

B.1.6 Contracts

A ZENworks Asset Management 7.5 Unique Record is the Contract ID. Unlike other Asset Management objects, ZENworks 10 Asset Management will not allow you to create Contracts in multiple folders with the same Contract ID. Contracts in ZENworks Asset Management 7.5 that match a Contract ID in ZENworks 10 Asset Management are not migrated.

B.1.7 Date Notifications

A ZENworks Asset Management 7.5 Unique Record is a randomly generated identifier. ZENworks Asset Management 7.5 allows Notifications to have duplicate values in all columns. ZENworks 10 Asset Management enforces a unique Notification name in each folder. If you have Notifications in ZENworks Asset Management 7.5 with duplicate Notification names, the migration fails.

B.1.8 Documents

ZENworks Asset Management 7.5 Unique Record is a randomly generated identifier. ZENworks Asset Management 7.5 allows Documents to have duplicate values in all columns. ZENworks 10 Asset Management enforces a unique Document ID name in each folder. If you have Documents in ZENworks Asset Management 7.5 with duplicate Document IDs, the migration fails.

Documentation Updates

C

This section contains information on documentation content changes that were made in this *ZENworks Asset Management Migration Guide* after the initial release. The changes are listed according to the date they were published.

The documentation for this product is provided on the Web in two formats: HTML and PDF. The HTML and PDF documentation are both kept up-to-date with the changes listed in this section.

If you need to know whether a copy of the PDF documentation that you are using is the most recent, the PDF document includes a publication date on the title page.

The documentation was updated on the following dates:

- Section C.1, "March 30, 2010: SP3 (10.3)," on page 47
- Section C.2, "August 17, 2009: SP2 Update (10.2.1)," on page 47
- Section C.3, "April 29, 2009: SP2 (10.2)," on page 47
- Section C.4, "August 6, 2008: SP1 (10.1)," on page 48

C.1 March 30, 2010: SP3 (10.3)

No documentation updates for this release.

C.2 August 17, 2009: SP2 Update (10.2.1)

Updates were made to the following section:

Location	Update
Appendix A, "Migrating Both ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management," on page 39	Added this section about the correct process to follow to ensure the successful migration of a workstation that has ZENworks 7 Desktop Management and ZENworks 7.5 Asset Management into one ZENworks 10 managed device. Following this process retains all ZDM 7 assignments and ZAM 7.5 data associated with the workstation..

C.3 April 29, 2009: SP2 (10.2)

Updates were made to the following sections:

Location	Update
Section 1.5, "Selecting the Migration Destination," on page 17	Added information about how to specify a non-standard port when connecting to the ZENworks Server to which the data will be migrated.

C.4 August 6, 2008: SP1 (10.1)

Updates were made to the following sections:

Location	Update
Section 1.6.4, “Migrating Asset Management Data,” on page 23	Added a section describing how to migrate asset management data.
Section 1.6.5, “Migrating Asset Management Data Only,” on page 25	Added a section describing how to migrate asset management data only.
Section 1.6.6, “Migrating License Records,” on page 26	Added a section describing how to migrate license records.
Section 1.6.7, “Migrating Custom Reports,” on page 27	Added a section describing how to migrate asset management custom reports.