

Novell® ZENworks® Personality Migration

Getting Started

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Chapter 1: Managing Desktop Migration

Welcome to Novell ZENworks Personality Migration, the Novell solution for the migration, replacement, and recovery of operating system settings, application settings, and data files, collectively known as DNA.

The Cost of Desktop Management and Migration

Have you ever received a new PC or upgraded your operating system (OS)? Then you know how difficult it can be to recreate a user's unique desktop environment. Imagine the time and cost required to upgrade or enhance tens of thousands of PCs.

When PCs are replaced or upgraded, their unique DNA — that is, system and application settings, network and printer settings, data files and folders, email address books, preferences and so on—must be preserved to help ensure uninterrupted end-user productivity. When performed manually, this process is time-consuming, labor-intensive, error-prone and costly, greatly impeding the adoption of new technology.

Effective PC DNA management is the foundation for efficient IT change management initiatives, including:

- Hardware refresh
- PC replacement
- Moving desktop and laptop users from NT domains to Active Directory
- Windows deployments
- OS upgrades
- Data migration
- Disaster recovery

These events disrupt your enterprise. Numerous costs, including IT technician time, end-user time, help desk time and more, are associated with switching out hardware or rolling out a new operating system. To minimize these costs when PCs are replaced or upgraded, the user's unique PC "DNA" must be preserved.

When attempted manually, this process is time-consuming, labor-intensive, error-prone and costly. Users experience downtime while their computers are unavailable and lost productivity while IT technicians try to reconfigure the computer when returned. Help desk calls dramatically increase after manual migration attempts. Furthermore, without an effective PC DNA management strategy, you might also have to overlap computer leases. These costs eliminate many of the benefits of adopting new technology.

Novell ZENworks Personality Migration was developed to provide an efficient, cost-effective, controlled change management process for specific PC events. This helps to reduce the total cost of ownership, increase technician productivity, decrease end-user downtime, reduce help desk calls, and accelerate your return on investment (ROI).

Purpose of This Guide

This guide introduces you to Novell ZENworks Personality Migration and some of its most powerful features. By the time you have finished reading this guide, you will have an idea of the scope of Novell ZENworks Personality Migration and how you can put it to use in your enterprise.

Distinctive Features

Novell ZENworks Personality Migration includes the following distinctive features:

Flexible Migration Methods

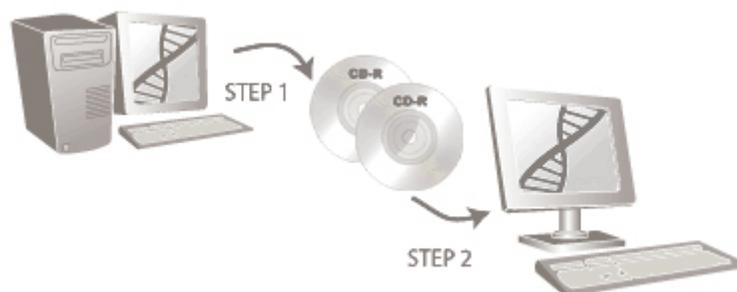
Flexibility is critical to supporting complex migration scenarios. Novell ZENworks Personality Migration is a premier solution for system migration and the first to offer two system migration methods:

Deferred Migration

Deferred migration is a two step process. In step one, you create a DNA file from the source system (the old computer) and store the file on a local computer, network server, network appliance, or Apache Web server. The DNA file contains each user's unique PC DNA. In step two, you apply the DNA file to the destination system (the new or refreshed computer) at any time. In secure environments, the DNA file can be password-protected.



You do not have to save the DNA to a network drive; you can also save it to removable media, such as CD-ROM, DVD, Zip drives, and so on.



Real-Time Migration

Real-time migration involves moving a PC's DNA over the network from a source system to a destination system with no intermediary storage. In secure environments, the source system can be password-protected.



Manage Users During Migration

When several users share the same computer, every user's PC DNA must be effectively migrated to the new computer. Novell ZENworks Personality Migration provides features for migrating user profiles, migrating from NT domains to Active Directory, creating accounts, redirecting users, and providing security.

Current and Multiple User Migration

Novell ZENworks Personality Migration lets you migrate the currently logged in user or multiple users on a given PC. When performing a current user migration, all settings migrated from the source computer are selected from the user logged in to perform the migration. During a current user migration, no user profile settings are migrated. When migrating multiple users, Novell ZENworks Personality Migration lets you selectively migrate any or all user profiles that exist on the computer with the settings and data for each user.

Passwords and Security

Novell ZENworks Personality Migration creates new accounts on the destination computer when migrating multiple users. It provides three options regarding user passwords: leave the current password; randomly generate a password using rules you define; or require the user to reset his or her password when logging in to the new system after the migration is complete. Novell ZENworks Personality Migration fully supports the option to migrate users' group memberships and NTFS (file and folder) security.

Migrate Users to Active Directory

Novell ZENworks Personality Migration migrates user profiles from NT domain systems into Active Directory (AD). Administrators can combine the two processes of desktop and AD migration into one easy-to-execute process. Novell ZENworks Personality Migration redirects users into AD, renaming them to a new naming convention, and migrating the file/folder and group security at the same time. It lets you migrate only those users who are active, effectively cleaning up your directory system by omitting obsolete users. Migrations from NT domains to NT domains and AD to AD are also fully supported.

Create User Accounts.

Novell ZENworks Personality Migration automatically creates a new user account on a system when a user is redirected to a different path. The account is created when you rename or move the user into a different domain regardless of the source and destination OS.

Dynamic User Account Selection

You can dynamically select users during an automated migration process by using the command line interface. Novell ZENworks Personality Migration allows wild cards, explicit include/exclude rules and definition of date ranges of an account's last access date, all of which help you eliminate the migration of obsolete users.

Migrate Settings and Data

Novell ZENworks Personality Migration migrates one of the most comprehensive sets of user-customized settings and includes advanced data collection capabilities for robust migration. This minimizes help desk calls, because users are not trying to reconfigure their own systems.

Desktop, System and Application Settings

System settings are all of the configuration information for the operating system of a PC. They include wallpaper, keyboard configurations, mouse pointers, screen savers, network identification and printers, and so on. Novell ZENworks Personality Migration migrates thousands of these customized settings over 160 applications between same or different versions of those applications. This keeps users productive, as they do not have to recreate preferences such as custom dictionaries, macros, display properties, and so on.

Data Include, Exclude, and Omit Filters

Novell ZENworks Personality Migration provides a filter mechanism to migrate files and folders from the source system. These criteria can include or exclude file name, location, modification or creation date, size and file types and can even omit specific files and folders from filter or from all filter processing.

File Redirection

File redirection lets the migration process capture all data from a source computer, wherever it is located, and save it in a predefined location on the destination, such as the user's "My Documents" folder. Redirection lets you clean up the directory structure of data based on the same functionality of the data filters.

Unlimited File Size

At times, depending on the migration needs, a DNA file can exceed four gigabytes (GB) of data. Novell ZENworks Personality Migration can transfer large files regardless of networking limitations. You can save DNA files to your network, including network appliances and Apache Web servers. Additionally, you can save DNA files to CD-ROM, Zip disks, or other forms of removable media.

Post-Migration Management

A comprehensive logging feature tracks the success of the migration and monitors the overall progress of an enterprise-wide migration process. You can reverse a migration and examine detailed logs to help you develop an effective migration scenario. Some of the logs Novell ZENworks Personality Migration provides are as follows:

- Event Log captures events that can occur during a migration
- Undo Log shows all items that were migrated from the source system to the destination system. It lets you select and reverse migration items, reverting the PC to the state it was in before the migration.
- Manifest Log records the details of a migration. You can use it to programmatically verify migration results or import it into a database for further processing and data mining.

Redirection

You can redirect users, drives, data files and folders, and applications settings from the location on the source system to new locations on the destination. This lets you change and manage drive configurations, redirect the application settings to a new location, and better organize a user's data files and folders on the destination system.

Fully Automated Migration

To reduce IT costs you must automate the migration process. Large-scale migration projects that span an enterprise may require integration into a larger overall process. To support both, you can run Novell ZENworks Personality Migration from a central location using shared configuration resources, such as option files and templates. You can use environment variables that are unique for each PC in the process to differentiate homogeneous PC DNA. After the migration process is complete, you can use return codes to trigger the next steps in a larger process. And you can perform all automation in "Quiet Mode," invisible to the end user.

Command Line Interface

You can use the Novell ZENworks Personality Migration command line to automate a migration process that can be integrated into a large-scale, enterprise-wide migration deployment using existing software investments, such as other Unicenter® or third-party products.

Environment Variables

Novell ZENworks Personality Migration provides environment variables that you can use in command lines and the user interface. Variables let you uniquely name DNA files and log files, selectively identify the correct DNA template file to use for the migration, identify and migrate selected users, and much more.

Shared Configuration Resources

Novell ZENworks Personality Migration does not need to be installed in the traditional sense. It can be run from a network share, from a local drive or even directly from the installation CD. Any migration type (real-time, deferred or removable media) can be performed without installing the product locally. The resources included in the product (such as the executable, template files, configuration files and DNA files) can be accessed from a centralized location by multiple systems simultaneously.

DNA Options File

The DNA Options file is an XML-based file that lets you customize the configuration of the product. You can customize every aspect of how the product is configured to perform efficiently in any environment.

Return Codes

Novell ZENworks Personality Migration returns codes upon completion of a migration. You can capture the return codes for use in a larger overall process to systematically determine the next step in the process.

Limited User Interaction in an Automated Migration

You can customize the wizard user interface to control access to only the pages or functions you want the technicians or end users to access. You have complete control over an automated migration process, and the flexibility to let the technicians or end users select certain items for migration, such as specific files or folders.

Restore and Recovery

Each time you make a change to your DNA files, Novell ZENworks Personality Migration saves the changes as a revision. If you ever need to rollback to an earlier revision of a DNA file, you can. Additionally, you can use the Always Current Scheduler to ensure that regular revisions of your PC's DNA are stored to a safe location.

Migration Toolkit

Novell ZENworks Personality Migration provides a flexible collection of time-saving automation tools: The Migration Toolkit dramatically reduces the time required to develop and refine a process of a new OS rollout, PC software/hardware refresh or disaster management scenario.

DNA Director

Provides top-level command and control for large-scale enterprise migration to streamline the migration process. Wizards ask you key questions to facilitate the automation of your migration process, and then create the necessary elements for a smooth execution of the migration. In addition, DNA Director automatically logs the entire process.

DNA Template Editor

Saves time and increases control over your migration process by creating custom templates that you can tailor to any user, department or organization. DNA Template Editor provides the ability to customize a migration regardless of the user environment.

DNA Explorer

Lets you examine the contents of DNA files easily, including revisions to the individual files, folders and settings contained in the DNA file. You can also apply individual files, folders or settings directly from DNA Explorer. Administrators can streamline, analyze, reference, troubleshoot, catalog and fine-tune the automation process.

DNA Options Editor

Lets you update and configure DNA options files without having to know or understand the XML file format.

DNA Studio

Lets you create scripts to easily migrate your in-house or custom applications. You can develop scripts to fit any situation or migration need.

For More Information

After reading this *Getting Started*, you can refer to the numerous resources available to you for additional information. Your product CD contains instructional documents that showcase your software and provide detailed explanations about the product's comprehensive, feature-rich components. In addition, you can obtain procedural information and answers to any questions you may encounter by accessing the Novell support at <http://www.novell.com/support>.

Chapter 2: Installing Novell ZENworks Personality Migration

The topics that follow describe how to install and remove Novell ZENworks Personality Migration. For information about operating system support and system requirements, see readme.html on the product CD.

Installation Options

The installation supports combinations of Novell ZENworks Personality Migration and the Migration Toolkit.

You can perform three different types of installations:

Typical

The typical installation installs:

- Novell ZENworks Personality Migration program files
- DNA Director program files
- DNA Always Current Scheduler
- Migration Toolkit:
 - DNA Template Editor
 - DNA Explorer
 - DNA Options Editor
 - DNA Studio
- Web Update
- Scripts
- Documentation

Compact

The compact installation installs:

- Novell ZENworks Personality Migration program files
- Scripts
- Web Update

Custom

The custom installation lets you choose to install any combination of components and where you want to install those components. The default for the custom installation is all the typical components mentioned previously.

Install Novell ZENworks Personality Migration

To install Novell ZENworks Personality Migration, follow these steps:

1. Insert the CD in the CD-ROM drive.

The installation wizard starts.

Note: If the installation wizard does not start, double-click DDNAAutorun.exe in the root directory on the CD. Alternatively, enter the following command from Start, Run:

```
[cd-rom drive]\DDNAAutorun.exe
```

The Welcome page appears.

2. Click Next.

The Novell license agreement appears.

3. Use the scroll bar to read the entire agreement, click I Agree after you scroll to the bottom of the window.

The User Information page appears asking for information about user name and company name.

4. Enter your name and company, and click Next.

The Setup Type page appears asking you to select a setup type.

5. Select the type of setup you prefer on the Setup Type page, and click Next.

The three options are:

- Typical
- Compact
- Custom

Note: If you select a custom installation, you must select the components to install. Each component has a description in the installer so you can choose which components to install. Select the components you want to install, and click Next.

The Install Location page appears asking if you want to change the location to install Novell ZENworks Personality Migration. The default install location is: C:\Program Files\Novell\ZENworks Personality Migration.

6. Click Change to choose another location or click Next.

The Installation Begin page appears asking you to begin the installation.

7. Click Install.

The Installation Progress page displays the progress of the installation. Novell ZENworks Personality Migration and the tools you selected to install from the Migration Toolkit are installed as defined.

When the installation of Novell ZENworks Personality Migration is complete, a page appears that lets you indicate other tasks you can perform, such as view the readme file, run Novell ZENworks Personality Migration, register Novell ZENworks Personality Migration, or add a Novell ZENworks Personality Migration shortcut to your desktop.

8. Select one or more options, and click Next.

The installation completes.

9. Click Finish.

The installation wizard closes and any of the options you selected, such as View Readme start.

Remove or Modify Your Installation

To modify your Novell ZENworks Personality Migration installation, such as adding or removing a component, or to remove Novell ZENworks Personality Migration from your system, follow these steps:

1. Open the Windows Control Panel.
2. Double-click Add/Remove Programs, select Novell ZENworks Personality Migration, and click Change/Remove.

The installation wizard opens.

You can choose to do the following:

Modify

Lets you add new components (if you did a custom installation), or selectively remove components.

Repair

Lets you try to fix your installation by installing all the components to the same locations you chose during the initial installation.

Remove

Lets you remove all installed Novell ZENworks Personality Migration components from your system.

3. Make your selection and click Next.

The wizard displays the progress.

4. Click Finish when the Maintenance Complete window appears.

You are guided through an uninstall process.

Chapter 3: Using DNA Director

This chapter steps you through the Director Setup wizard and automates a process for a deferred migration that can be accessed and used by multiple workstations in your organization simultaneously.

DNA Director is a component of the Novell ZENworks Personality Migration Migration Toolkit. DNA Director gives you the flexibility and power to quickly configure a migration process scaled to fit your organization. After installing the software you can start DNA Director by selecting Start, Programs, Novell ZENworks Personality Migration, DNA Director.

Welcome to DNA Director Setup

The DNA Director wizard guides you through the creation of a simple migration process. The migration process created can be used immediately. If you want to access the full power of DNA Director you can customize the basic migration process to accommodate any type of migration support you need.

Click Next to advance to the next page of the wizard.

Migration Setup

To automate a migration, you must define a location for the migration directory and the data directory on your network. You can identify these two directories on the same server or on separate servers on your network.

To specify the migration setup, follow these steps:

1. Enter the file path and name for the location of the migration directory in the Migration Directory field.

DNA Director automatically copies or creates all necessary files to execute the configured automated migration into the migration directory.

2. Enter the file path and name for the location of the data directory in the Data Directory field.

DNA Director automatically creates a directory and folder structure to contain the DNA files and the related log files on the first migration performed using the DNA Director.

Note: Ensure all computers have access to the Migration and Data Directories. Novell recommends you use UNC paths instead of mapped drives to avoid access issues during migrations.

3. Click Next to advance to the next page.

Access Novell ZENworks Personality Migration

You must define whether Novell ZENworks Personality Migration is accessed and run from the migration directory on the server, or accessed on each workstation.

To access Novell ZENworks Personality Migration, follow these steps:

1. Select from the following options:

From the migration directory

Indicates the path entered on the Migration Setup page is set as the location from which to run Novell ZENworks Personality Migration during the migrations. Director Setup automatically copies the DNA executable and all related files into the migration directory.

From the workstation

When AutoDNA is initiated on the workstation, DNA Director automatically performs a silent installation of Novell ZENworks Personality Migration before initiating the migration.

2. Click Next to advance to the next page.

Select Migration Type

You must define what type of migration to perform. Based on this selection, Director Setup takes one of two paths to guide you in automating your process, one path for a deferred migration, the other for a real-time migration. This guide steps you through the process of automating a deferred migration.

To select migration type, follow these steps:

1. Select from the following options:

Deferred migration using a DNA file

Defines the creation of a DNA file to be stored in the data directory.

Note: For this example, select the Deferred migration using a DNA file option.

Real time migration over the network

Defines the source and destination workstations for a real time migration.

2. Click Next to advance to the next page.

Template Selection

You must identify a template file to use for the migrations. You can select the default template file included with DNA Director or create your own template file.

Note: The default template contains the following: Desktop settings of: background, keyboard, mouse, screen saver, and my documents. Application settings of: Internet Explorer, MS Access, MS Excel, MS Office Shortcut Bar, MS PowerPoint, MS Project, MS Word, Norton Anti-Virus, and WinZip.

To complete this page, follow these steps:

1. Select how templates are associated with the migration:

User selects a template

Allows you to select a template before you begin the migration. You can also construct multiple templates and place them in a directory for selection at the time of migration.

Use the default template

Allows you to use the default template. You can also modify the default template to support your migration needs. DNA Director automatically copies the specified template into the migration directory.

Use the following template

Allows you to create and save a template, and then return to the DNA Director to enter the path and template name.

Note: For this example, select the Use the following template option.

2. Click Launch Template Editor to create and save a template for this example.

The DNA Template Editor opens.

DNA Template Editor

DNA Template Editor is a powerful, enterprise-level tool that helps you simplify the reuse of migration settings. You can create a migration template without being on the computer that is migrated because it is "detection-less."

Templates let you customize and automate migrations for the different departments in a company or for specific individuals or work groups. You can add migration selections to a template even if the specified applications and settings do not exist on the system that uses the migration.

You can define the migration of the source computer, and define how the DNA in the DNA file created is applied to the destination computer in a single template file.

To create the template for this example, follow these steps:

1. Add a title and a description to the DNA files created with this template in the DNA file properties section.
2. Click the Users branch to define users to migrate.

Note: By default the current user's setting are used. You do not have to select a user if you want to migrate the only current user. If you want to migrate domain, Active Directory, or local users, you can select a category of user and expand it to define users for migration.

If you want to redirect users, click the Redirection tab. You can expand the user tree, and double-click the Destination column to define the user destination.

3. Click the System branch in the tree to display settings for your migration selection. Select the system settings you want to migrate.
4. Click the Applications branch in the tree to display application settings for your migration selection. Select the application settings you want to migrate.

Note: If you want to redirect any applications, click the Redirection tab and double-click the Destination column to define the application settings destination.

5. Click the Files branch in the tree to display the local file system. Select the files you want to migrate. If you select My Documents for migration, Novell ZENworks Personality Migration selects the users' My Documents directory regardless of the operating system.

Note: If you want to redirect any files or folders, click the Redirection tab and double-click the Destination column to define the file and folder destinations.

For this example you could redirect the files and folders to a single location on the destination computer. Redirection supports the use of environmental and DNA variables in the paths. For more information on redirecting files, see the online help for DNA Template Editor.

6. Click the Filters branch in the tree to define data filters. Define the data filters you want to use for migration.

Note: If you want to redirect a filter, click the Redirection tab and click the check box for Redirect to this folder. Enter the path to redirect the filter results.

7. Click the Drive Destinations branch in the tree to define drive destinations for the migration.

For example, your hard drive on the old system might be C:\ but the hard drive on the new system is D:\. You need to redirect the drives. To redirect a drive, double-click the Destination column and define the drive destination.

8. Click the Save toolbar button to save the template file.

A Save As dialog appears.

9. Click Save to accept the default location (C:\My Documents) and file name.

10. Close the DNA Template Editor.

Template Selection page of Director Setup appears.

11. Click Browse and select the template you just created.
12. Click Next.

Deferred Migration

The Deferred Migration page appears because you selected a deferred migration type on the Migration Type page. You must define a naming method for the individual migration folders that are used to store the DNA files and logs from each migration. You also define how the correct DNA file is identified to apply to a destination workstation.

To complete this page, follow these steps:

1. Select Create folder using the machine name in the Store group box.

The Store group box determines how the DNA file is named and saved when it is stored in the data directory. For this example, DNA Director stores the DNA file in the data directory in a folder named with the computer name.

2. Select Create the folder using the machine name or the user name (according to choice in Store) in the Apply group box.

The Apply group box determines how the DNA file is retrieved from the data directory and applied to the destination computer. For this example, DNA Director automatically retrieves the DNA file from the data directory based on either the computer name or the user name.

3. Click Next.

Source User Interface

The Source User Interface page appears because you selected a deferred migration type on the Migration Type page. You can customize the actions a user can perform during a migration by customizing the Novell ZENworks Personality Migration wizard interface. This increases migration security and streamlines migration process for the end user.

To customize the user interface on the source system, follow these steps:

1. Select the actions you want users to take during a migration. For this example, accept the default of displaying only the Migration Status page.
2. Click Next.

Destination User Interface

The Destination User Interface page appears because you selected a deferred migration type on the Migration Type page. You can customize the actions a user can perform during a migration by customizing the Novell ZENworks Personality Migration wizard interface. This increases migration security and streamlines migration processes for the end user.

To customize the user interface on the destination system, follow these steps:

1. Select the actions you want users to take during a migration. For this example, accept the default of displaying only the Migration Status page and also select Log Results page.
2. Click Next.

Configuration Review

The Configuration Review page lets you review all the options you have configured for your automated migration. If you find an error or discrepancy on this page, you can go back and make any changes needed, and re-review before DNA Director creates the automated migration process.

Review your choices, and click Confirm.

Director Setup automatically locates and copies or creates all necessary folders and files into the migration directory based on your configuration. A status dialog appears during this process.

Configuration Complete

The Configuration Complete page appears to indicate that DNA Director has completed the creation of the migration directory based on your specifications. The Configuration Complete page contains a report with instructions on the steps you should take next to proceed with the automated migration.

Director Setup created a Director Migration folder in the path you specified. This directory contains folders and files depending on your selected options.

Click Finish to exit DNA Director Setup.

Overview of the Migration Directory Structure

Director Setup automatically created a migration directory in the path you specified. The folder for the migration directory is named: Director Migration.

The following files are copied or created in the Director Migration folder by Director Setup:

Autorun Source

This shortcut can be accessed from the Migration directory or copied to the source workstation. It accesses the source migration file and the AutoDNA.exe to perform the configured migration. It executes the following command line:

```
"<Path to your migration directory>\DirectorMigration\ddnrun\AutoDNA.exe" "<path to your Migration directory>\DirectorMigration\Source\DirectorSource.dmx"
```

You can add any additional command line parameters necessary to further customize your migration.

AutoRun Destination

This shortcut can be accessed from the Migration directory or copied to the destination workstations. It accesses the destination migration file and the AutoDNA.exe to perform the configured migration. It executes the following command line:

```
"<path to your migration directory>\DirectorMigration\ddnarun\AutoDNA.exe" "<path to your Migration directory>\DirectorMigration\Destination\DirectorDestination.dmx"
```

You can add any additional command line parameters necessary to further customize your migration.

Template File

The template configured for use during the migrations is copied from its original location into the DirectorMigration folder.

The following folders are copied into or created in the DirectorMigration folder:

Setup folder

This folder contains the Novell ZENworks Personality Migration installation and is copied to the Migration directory. It is used if Novell ZENworks Personality Migration or any component must be installed on the workstation before a migration.

ddnarun folder

This folder contains the Novell ZENworks Personality Migration executable and supporting files and is copied into the Migration directory. It is used if Novell ZENworks Personality Migration is accessed from the migration directory. It also contains AutoDNA.exe. This executable is accessed by the shortcuts you place on the workstations to perform the migrations.

Source folder

This folder contains DirectorSource.dmx, the migration file created by Director Setup. It contains the options you configured. You can edit this migration file using DNA Options Editor to further customize your migration process.

Destination folder

This folder contains DirectorDestination.dmx, the migration file created by Director Setup. It contains the options you have configured. You can edit this migration file using DNA Options Editor to further customize your migration process.

Logs

This folder is empty until the first migration. After the first migration, this directory contains the Director log. It is named <migration directory>\DirectorMigration\Logs\DirectorSourceLogs_%DNA_Machine_Name%.txt.

IEInstaller

This folder is empty when the Director Migration folder is created. If the computers do not have Internet Explorer v5.X or higher already installed, copy the IEInstaller\IE5Setup.exe into the migration directory into the IEInstaller folder. Then open the DNA Options Editor from the Start menu, open the .dmx file in the source and destination folders, and define the option for Path to the Internet Explorer installer option.

Perform a Source Migration

You are now ready to perform an automated migration.

To perform the migration, follow these steps:

1. Use Windows Explorer on this computer (the source computer) to go to the Director Migration folder.
2. Double-click the  Autorun Source short cut in the Director Migration folder.

The migration initiates, displaying only the migration status page.

When the migration is complete, Novell ZENworks Personality Migration automatically closes.

Note: To perform source migrations on other computers, copy the Autorun Source shortcut to those computers, and double-click the shortcut.

View the DNA File Created

Novell ZENworks Personality Migration created a DNA file for the source computer.

To view the DNA file, follow these steps:

1. Go to the path where you asked DNA Director to create the Data Directory. With the generation of the first DNA file using the automated process you configured, DNA Director creates the Data Directory.

It will be located in the path you configured and is called Director Data.

2. Open the folder with the computer name from the migration.
3. Double-click the DNA file.

DNA Explorer opens.

DNA Explorer

DNA Explorer lets you open and examine the contents of a DNA file, including all the files, registry items, and values that you have migrated.

View the contents of the DNA file. Everything you selected for migration in the DNA template you created is contained in the DNA file.

To apply individual files, folders, or settings directly from DNA Explorer to the computer, follow these steps:

1. Click the file or folder you want to apply to the system.
2. Right-click and select Apply to directly apply it to its original location. Click Apply to if you want to relocate or rename the file or folder.
3. Click OK.

The file is applied directly from DNA Explorer to the computer.

4. Close DNA Explorer.

DNA Director Logs

DNA Director also creates a Director log containing all the details about the automated migration.

To view the log, follow these steps:

1. Go to the Directory Migration folder and double-click the Logs subfolder.
The Director log is named Director Source Log_ <Machine Name>.txt.
2. Open the text file and review the details of the automated migration including the Novell ZENworks Personality Migration return code.

Destination Computer

When you have reconfigured and loaded a new operating system on the destination computer you can apply the DNA file you created.

To apply the DNA file, follow these steps:

1. Use Windows Explorer on the destination computer (we assume the computer name is the same in this example) to go to the Director Migration folder.

2. Double-click the  **Autorun Destination** short cut in the Director Migration folder.

The migration initiates, displaying the migration status page.

When the migration is complete, the user interface automatically closes.

A Reboot message box opens. It has a delay of 15 seconds before restarting the computer so that you can cancel the restart, if desired.

Note: To perform destination migrations on other computers, copy the Autorun Destination shortcut to those computers, and double-click the shortcut.

3. Review the log file Logs folder on the Directory Migration folder. The Director log is named Director Destination Log_ <Machine Name>.txt.

Open the text file and review the details of the automated migration including the Novell ZENworks Personality Migration return code.

Migration Complete

You have successfully automated and performed a migration using Novell ZENworks Personality Migration and the Migration Toolkit.

Chapter 4: Using DNA Always Current Scheduler

IT professionals know that change is constant. While using Novell ZENworks Personality Migration to save time and money during operating system or computer migrations is important, what about after those users start working on those systems for a day, a week, a month, or a year? Users install new applications, change their settings, uninstall applications, and perform other tasks that alter their DNA.

What if they install something that creates conflict? Or they change a setting, and it prevents another application from running properly? How can they easily recover their old settings?

The DNA Always Current Scheduler lets you manage your DNA. After the initial creation of a DNA file, users can take a snapshot of their current DNA (known as a revision), or make changes to it. Each time users make a change to their DNA, Novell ZENworks Personality Migration creates a new revision. If problems occur, users can always restore their DNA from a previous revision.

This chapter describes how to do the following:

- Schedule a DNA storage task
- View a DNA scheduled task
- Apply a DNA storage task

Schedule a DNA Storage Task

In the previous chapter, you used DNA Director to create a template and a DNA file. Your template specifies all the users, settings, applications, files and folders that you want to store to your DNA file. By creating a DNA Storage task you ask Novell ZENworks Personality Migration to create a revision at a specified time. The revision contains the following:

- Changes you might have made to the template
- Changes to the items you specified the template to store in the DNA file (settings, and so on)

If you have not made any changes, a new revision is created to indicate that DNA Always Current Scheduler ran at the specified time.

To schedule a DNA storage task, follow these steps:

1. Start DNA Always Current Scheduler from the Start menu.

The DNA Always Current Scheduler opens.

2. Click Next and follow the tasks in the wizard.

The wizard asks you to do the following:

- Create a task and identify the DNA you want to store.
- Specify details about the task, including the name of the template, and the name of the user under which this task runs.

Note: When specifying the name of the user under which the task runs, Novell ZENworks Personality Migration uses values from the registry to provide the user name. Be sure that the information is correct (user name, including domain, and password) or the job will not run. Also, if you are required to change your password at regular intervals, you must change the password for the task. The scheduled task will fail to run until you change the password.

- Specify how often the task runs.
- When the task should run

3. Click Finish after you review the details about the task.

The first time the task runs, it creates the specified DNA file. At the next scheduled run it creates a revision to the DNA file.

When the task runs, it displays a dialog that lets you choose to reschedule the task or cancel it. If you choose to reschedule, DNA Always Current Scheduler opens and you can choose an alternate time. If you choose cancel, the task does not run until its next scheduled time.

Note: The DNA Always Current Scheduler creates an XML file (with the .dmx extension) that contains the settings. By default it stores the file in your My Documents directory. You can open this file using DNA Options Editor and make changes if you like.

View Scheduled DNA Task

To modify the scheduled task you created with DNA Always Current Scheduler

1. Open the Windows Scheduler from the Start menu.

The Windows Scheduled Tasks dialog opens to display the DNA Scheduled Tasks.

2. Double-click a task to modify the schedule settings.

The Windows Scheduler opens; you can make any modifications to the scheduled task.

3. Click OK when you have completed the modifications.

The changes to the scheduled task are saved.

Apply DNA from Storage

To apply a stored DNA file for your PC

1. Execute the Apply DNA from Storage command from the Start menu.

The Novell ZENworks Personality Migration wizard opens displaying the DNA File Options page.

2. Select from the following options:

Edit

Select what settings are applied. You can proceed through the Novell ZENworks Personality Migration wizard to select individual settings, files and folders, or filters to apply.

Destination

Opens the Destinations tab. You can apply everything stored in the DNA file, and also define redirection for settings, files and folders or filters, if you choose.

Revision

Select a different DNA revision. You can select a previous version of the DNA file and select individual settings, files and folders, or filters to apply, allowing you to rollback to a specific point in time.

3. Follow the rest of the Novell ZENworks Personality Migration wizard instructions to complete the application of the stored DNA.

Note: You can use the /RD parameter to apply a revision. For more information, on command line parameters and examples, see the *Novell ZENworks Personality Migration Reference Guide*.