Setup Commander for ZENworks
Administration Guide 2.5.0
Micro Focus, Novell and ZENworks are either registered trademarks or trademarks of Novell in the United States and/or other countries.

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Setup Commander is a registered trademark of ROVABU Software BV in the Netherlands and/or other countries.

Setup Commander uses parts of the 7-Zip program, which is licensed under the GNU LGPL license. More information about 7-Zip and its source code is available at http://www.7-zip.org

Setup Commander uses the .NET DiscUtils Library under the MIT License, Copyright (C) 2008 Kenneth Bell, permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: “THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.”

All other trademarks are the property of their respective owners.
# Table of Contents

**About This Guide** .......................................................................................................................... 7  
What is in this guide? .............................................................................................................................. 7  
Who should use this guide? .................................................................................................................. 7  
Where do I find the latest information about Setup Commander? ....................................................... 7  
**Support** .......................................................................................................................................... 8  
**Overview** ....................................................................................................................................... 9  
Standard Edition .................................................................................................................................. 9  
Professional Edition .............................................................................................................................. 9  
Product Comparison Chart .................................................................................................................. 10  
**System Requirements** ................................................................................................................... 11  
Novell ZENworks ................................................................................................................................. 11  
Credentials .......................................................................................................................................... 11  
Operating System ............................................................................................................................... 11  
Microsoft .NET Framework 4 Extended ............................................................................................... 12  
**Installation** .................................................................................................................................... 13  
Download ............................................................................................................................................ 13  
Install ................................................................................................................................................... 13  
Upgrade ............................................................................................................................................... 15  
Uninstall ............................................................................................................................................. 16  
**Launching** ..................................................................................................................................... 17  
Connection Details .............................................................................................................................. 17  
Credentials .......................................................................................................................................... 17  
File System .......................................................................................................................................... 20  
Bundle Folders .................................................................................................................................... 23  
**Home** ........................................................................................................................................... 24  
Connection .......................................................................................................................................... 24  
Drives ................................................................................................................................................... 24  
Bundles ................................................................................................................................................ 25  
*Create Bundle(s)* ............................................................................................................................... 25  
*Create Bundle Folder* ......................................................................................................................... 27  
*Create Bundle Group* ......................................................................................................................... 27  
*Create Web Bundle* ............................................................................................................................ 28  
Configuration ....................................................................................................................................... 29
Options .................................................................................................................. 29
Licensing .................................................................................................................. 29
Logfiles ...................................................................................................................... 30
Credential Vault ........................................................................................................ 30
Reports ...................................................................................................................... 30
Create Report ............................................................................................................ 30
Print ........................................................................................................................... 30
General ...................................................................................................................... 31
About ......................................................................................................................... 31
Check for updates ...................................................................................................... 31
Refresh Configuration Wizards ............................................................................... 31
Website ....................................................................................................................... 31
Relationships ............................................................................................................. 32
Users .......................................................................................................................... 32
Devices ....................................................................................................................... 32

ENGL .......................................................................................................................... 33

Import Wizards ......................................................................................................... 34
Import MSIs ............................................................................................................... 34

The Generic MSI Import Wizard ............................................................................. 34
  Architecture Level .................................................................................................. 36
  Bundle Folder ........................................................................................................ 36
  Display Mode ........................................................................................................ 36
  CreateAsSandbox .................................................................................................. 36
  GrantAdministratorPrivilege ............................................................................... 36
  UILevel ................................................................................................................... 36
  Security Level ....................................................................................................... 36
Import Virtual Applications ..................................................................................... 37

The App-V Import Wizard ....................................................................................... 37
The ThinApp Import Wizard .................................................................................... 40
The ZAV Import Wizard .......................................................................................... 41

Creating Windows Bundles (MSI) ......................................................................... 42
General ...................................................................................................................... 42
GroupWise 2014 ....................................................................................................... 46
General ...................................................................................................................... 50
Device Assignments .................................................................................................................. 66
Administrator Notes .................................................................................................................. 66
Creating Windows Bundles (EXE) – Launch Bundle Type ....................................................... 67
General ........................................................................................................................................ 67
GroupWise 2014 .......................................................................................................................... 68
General ........................................................................................................................................ 69
Bundle Type ................................................................................................................................ 69
Settings ....................................................................................................................................... 69
Bundle Details ............................................................................................................................... 69
Executable Security Level ........................................................................................................... 69
Architecture ................................................................................................................................... 69
Environment Variables ............................................................................................................... 69
User Assignments ......................................................................................................................... 69
Device Assignments ..................................................................................................................... 69
Administrator Notes ..................................................................................................................... 69
Setup Store .................................................................................................................................. 70
General ........................................................................................................................................ 70
About This Guide

This guide is provided to help administrators understand and implement Setup Commander for Micro Focus ZENworks Configuration Management.

What is in this guide?
This guide contains the following information:

- An overview of the features and functionality
- An explanation of the architecture
- Instructions on running the application
- Troubleshooting, tips, and FAQ

Who should use this guide?
This guide is intended for the administrators who are responsible for the preliminary setup and for running Setup Commander for Micro Focus ZENworks. Those administrators need to have a thorough understanding of Micro Focus ZENworks administration, Windows, and Windows application management.

Where do I find the latest information about Setup Commander?
You can find information about the latest version of Setup Commander, including new features and fixed issues, at our Web site at http://www.setupcommander.com, on our Twitter Page http://www.twitter.com/setupcommander, our LinkedIn page, and on Facebook: http://www.facebook.com/setupcommander
Support

For general information, technical information, the partner locator, pricing information, and support, browse to http://www.setupcommander.com to find information about the latest versions, blog articles, and the support forums. You can also contact us at support@setupcommander.com.
Overview

Setup Commander for Micro Focus ZENworks Configuration Management provides a new way to create Windows bundles in a simple and intuitive way.

Creating Windows bundles, figuring out installation parameters, and deploying installation parameters for software that needs to be deployed, is one of the most time-consuming and troublesome tasks that administrators must undertake to deploy Windows applications. Setup Commander for ZENworks lowers the cost associated with application management by automating the manual steps that have to be repeated for every new application.

Chief Architect and Product Developer for Setup Commander is Roel van Bueren of ROVABU Software BV. Roel has worked with ZENworks since it was released in 1998, Windows Installer technology since it was released with Office 2000 in 1999, and Windows applications and application installers since Windows 3.1.

Standard Edition

Setup Commander for ZENworks Standard Edition is licensed per ZENworks Management Zone for an unlimited number of machines and administrators.

Professional Edition

Setup Commander for ZENworks Professional Edition is licensed per ZENworks Management Zone, per registered ZENworks device. A license is subscription based and granted for a duration of one (1) year.
**Product Comparison Chart**

![Product Comparison Chart](https://www.setupcommander.com/index.php/products/34-comparison-chart)

For the latest version of the Product Comparison Chart, please visit
**System Requirements**

Before you run Setup Commander for ZENworks, you need to meet some configuration requirements for your Microsoft Windows devices.

**Novell ZENworks**
Micro Focus ZENworks Configuration Management 11.0 and later is supported.

**Credentials**
You need to have access to the Administrator user credentials or you need to create a ZENworks administrator user who is either a Super Administrator or who has all Bundle Rights.

![Bundle Rights](image)

**Operating System**
Setup Commander for ZENworks is supported on the following Windows operating systems:

- Microsoft Windows XP Professional (SP3)
- Microsoft Windows 7 x86 or x64
- Microsoft Windows 8 x86 or x64
- Microsoft Windows 10 x86 or x64
- Microsoft Windows Server 2008 (R2)
- Microsoft Windows Server 2012 (R2)

The Windows device on which you run Setup Commander for ZENworks does not need to be registered in the ZENworks Management Zone you want to use Setup Commander for ZENworks against.
Microsoft .NET Framework 4 Extended

For Windows XP, Windows 7, Windows 8 and Windows Server 2008 both Microsoft .NET Framework 3.5 (or up) and Microsoft .NET Framework 4 Extended should be installed. If you do not have these installed, you can download it from Microsoft’s Web site as Microsoft .NET Framework 4 (Standalone Installer) and Microsoft .NET Framework 3.5 (Full Package).

For Windows 10 and Windows Server 2012, please enable the Windows feature ‘.NET Framework 3.5 (includes .NET 2.0 and 3.0)’. ‘.NET Framework 4.6 Advanced Services’ is enabled by default.

Setup Commander for ZENworks will verify whether you've installed/enabled the forementioned .NET Framework. If both components have not been installed, this message will be shown:
Installation

Download
Download SetupCommanderZENworks-setup-2.xyz.xyz.exe from either http://download.novell.com or by using the download link in the email message you’ve received after registration on the registration page of the Setup Commander website. Xyz is the latest build as reported on the support forums of the Setup Commander web site (http://www.setupcommander.com).

Copy the setup to any folder on your Administrator device. Run the setup from there. You can install Setup Commander for ZENworks on multiple Windows Administrator machines in your network if needed.

Install
Run the setup first.

When the welcome screen is shown, click Next.

Read the License Agreement carefully, click the I accept option, then click Next.
The default installation directory is `C:\Program Files (x86)\ROVABU Software BV\Setup Commander for ZENworks on x64 systems` and `C:\Program Files\ROVABU Software BV\Setup Commander for ZENworks on x86 systems`.

Optionally, you can change the destination folder:

and whether you want all features installed or only ‘Setup Commander’ itself:
After the installation, you can select the ‘Launch Setup Commander for ZENworks’ check box to launch Setup Commander for ZENworks.

![Setup Commander - InstallShield Wizard](image)

**Upgrade**

When you want to upgrade to a new build of Setup Commander for ZENworks, just run the new setup. The setup detects that you have an older version installed and gives you the option to upgrade.

![Setup Commander - InstallShield Wizard](image)
**Uninstall**
To remove Setup Commander for ZENworks, run the setup again and select Remove.

You can also use the Windows Control Panel to remove Setup Commander for ZENworks if needed.
Launching

Use the shortcut on the Start Menu or the desktop to launch Setup Commander for ZENworks and view the Administration Guide. After the initial launch, the Connection screen is displayed automatically.

Connection Details

Setup Commander for ZENworks connects through the Web service interface of your ZENworks Primary Server. In Setup Commander for ZENworks’s Connection screen, you must provide the correct DNS name or IP address of your ZENworks Primary Server, as well as the Web Service port and File Upload port and whether you are using SSL. If you have configured custom port numbers, you can review the ..\tomcat\conf\server.xml configuration file and search for Connector port:

![Connection Details](image)

Credentials

Provide the user name and password of either the Administrator user of your ZENworks Management Zone, a ZENworks administrator who is a Super Administrator, or a ZENworks administrator who has all Bundle Rights. You can optionally save the password for the selected user, which will then be encrypted and stored in the following location:

C:\Users\<username>\AppData\Local\ROVABU Software BV\Setup Commander for ZENworks\settings.xml
If you do not have a valid certificate installed and configured, an Accept Invalid Certificate screen is shown.

This is similar to what you see when you log in to ZENworks Control Center using your favorite browser:
After a successful connection, Setup Commander for ZENworks will verify whether you have a Professional Edition license for the ZCM zone you’ve connected to. If you don’t have a license or if you have a license for a different zone, this message will be shown:

![Bundle Commander Standard Edition](image1.png)

After you click ‘OK’, the right panel shows the bundles and bundle folders in your main ‘Bundles’ folder, similar to ZENworks Control Center.

![Bundle Commander 2.0.3](image2.png)

Simultaneously Setup Commander for ZENworks will download and update your Configuration Wizards ‘as a service’.

![Configuration Wizards updated](image3.png)
**File System**

The left panel shows the directories and files of the selected directory.

You can switch to a different directory by double-clicking a directory. You can switch to a different drive by clicking one of the Drive icons in the Drives ribbon group.
When you right-click a file, Setup Commander for ZENworks gives you these options:

- ‘Create Bundle(s)’ allows you to create a bundle out of the selected file. Setup Commander for ZENworks assists and advises you based on the selected file or installer. This option is also available in the Bundles ribbon group.

- If you want to request support for a specific legacy setup that we are not supporting yet, please send us the details by selecting the setup in Setup Commander for ZENworks and then selecting ‘Submit for Analysis’.

- ‘Change Attributes’ allows you to change the Read, System, Archive and Hidden file attribute types.

- ‘Create Directory’ creates a subdirectory in the current directory.

- ‘Open in new window’ opens the current directory in Windows Explorer.

- Search ITNinja is available for MSI setups only. With this option, you can use the Productname and Productversion of the selected MSI setup to query http://www.itninja.com for more setup and deployment information. ITNinja is a rapidly growing community where IT professionals ask questions, research software and other technical topics, and share information and ideas. Founded by Bob Kelly in September of 1999, ITNinja was previously known as AppDeploy.com. As a leading destination for end point administrators to discuss topics related to setup and deployment, ITNinja expands the scope of AppDeploy, adding numerous topics while leveraging its rich application and deployment data.

- ‘Edit with InstEd’ is only available if you select MSI setups. InstEd is a free MSI editor which you can use to view or edit MSI setups, and or MSI transform files (MST’s). This free MSI
editor is available for download at [http://www.instedit.com](http://www.instedit.com) and in Setup Commander for ZENworks’s Setup Store.

- ‘Edit with Orca’ is only available if you select MSI setups. Orca is a free MSI editor which you can use to view or edit MSI setups, and or MSI transform files (MST’s). This Microsoft tool is only available in the Windows SDK Components for Windows Installer Developers. It is provided as an Orca.msi file. After installing the Windows SDK Components for Windows Installer Developers, double click Orca.msi to install the Orca.exe file.

- ‘Repackaging Wizard’ start the Repackaging Wizard to repackage the selected setup to an MSI or an virtualized application using 3rd party solutions.

- ‘View’ is an MSI viewer which you can use to browse through an MSI’s tables and rows.

- ‘Columns’ lets you change the visibility of the columns.

- ‘Clear Filters’ lets you remove filters that have been set for one or more columns.

- ‘Delete’ deletes a selected file or selected files.

- ‘Refresh’ updates the current directory and file list, similar to this button:
Bundle Folders
The right panel shows the bundle folders in the connected ZENworks Management Zone as well as the bundles that are stored in these folders.
Home

Most features in the Main screen are available through the ribbon in the upper part of the screen.

Connection

Connect connects Setup Commander for ZENworks to a specified Primary Server of a ZENworks Management Zone.

Drives

The Drives ribbon group lists all available drive letters of your file system. The icons reflect whether the drive is a local drive, a USB stick, removable drive, network drive, or CD-ROM/DVD-drive.
**Bundles**

The Bundles ribbon group lets you create a Windows bundle, a bundle folder, a bundle group, or a Web bundle.

**Create Bundle(s)**

Create a Windows bundle from a selected file on your file system. Depending on the type of file selected, Setup Commander for ZENworks advises you to create an Install bundle or a Launch bundle for the selected file. The Bundle Type is set accordingly. For more details about creating Windows Bundles, read the “Creating Windows Bundles” chapter.

For every MSI setup you select, a Configuration Wizard will be shown first. With the Configuration Wizard you can configure the MSI. The Configuration Wizard options have been pre-configured based on deployment best practices.
If you click ‘Ok’ your configuration settings for the selected MSI will be saved in a transform file (MST) for which a dialog is shown.

After saving the transform file, you can review the different bundle options and click ‘Ok’ to create the bundle.
**Create Bundle Folder**
Creates a bundle folder.

![Create Folder](image)

**Create Bundle Group**
Creates a bundle group.

![Create Bundle Group](image)
Create Web Bundle

Creates a Windows bundle based on the Web Application category, with one Launch URL action.
Configuration

The Configuration ribbon group lets you configure Setup Commander for ZENworks.

Options

Use this option to configure options related to General options, Bundles, Configuration Wizards, the integration with ENGL Imaging Toolkit, Proxy Settings and the Setup Store.

Licensing

You can add, remove, and review ‘Professional Edition’ licenses for Setup Commander for ZENworks. To run Setup Commander for ZENworks in ‘Standard Edition’ no license is needed.
Logfiles
When support requests log files for analysis, you can find the Setup Commander for ZENworks log files in the following locations:

Credential Vault
The ZENworks Configuration Management credential vault lets you review the Credential Vault users that have been defined in ZENworks Control Center.

Reports
The Reports ribbon group covers exporting the selected directory or the selected bundle folder to Excel, PDF, XPS, or TXT format, or to print it to a selected printer.

Create Report
Exports the list of directories of a selected directory or the list of bundles in a selected bundle folder to Excel, Excel 2007/2010, Adobe PDF, Microsoft XPS, or text format.

Print
Prints the list of directories of a selected directory or the list of bundles in a selected bundle folder to a selected printer.
General
The General ribbon group lets you check the About settings for updates or to visit the Setup Commander for ZENworks Web site.

About
The About section includes general remarks about Setup Commander for ZENworks, release notes, and a link to the support forums.

Check for updates
On startup, Setup Commander for ZENworks automatically checks whether a new build is available. You can also do this manually by using ‘Check for updates’.

Refresh Configuration Wizards
On startup, Setup Commander for ZENworks automatically checks whether your collection of Configuration Wizards needs to be updated. You can also do this manually by using ‘Refresh Configuration Wizards’.

Website
Links to the Setup Commander for ZENworks Web site (http://www.setupcommander.com).
Relationships

**Users**
Allows you to review all available users by browsing through the user sources that have been defined in ZENworks Control Center.

![User List](image)

**Devices**
Allows you to review all devices that are available in the connected ZENworks Management Zone.

![Device List](image)

The Setup Commander for ZENworks team and ENGL teamed up to work on a first integration between Setup Commander for ZENworks, ZENworks Configuration Management, and ENGL Imaging Toolkit. This integration is useful for customers who want to use multiple Installation profiles for installing Windows applications during the ENGL build process.

Imaging Toolkit’s build process provides integration with ZENworks Configuration Management to install selected Windows bundles during ENGL’s build process. You can use the Create Build Process Bundles option to create two Windows bundles related to ENGL Imaging Toolkit’s build process.

You do this by using a preconfigured ENGL Installer user and an _Installer Windows bundle that you can assign bundles to. The user is then used to log in during ENGL’s build process in order to install applications you want to be installed by default after the build process has been finished.

Setup Commander for ZENworks provides the ability to create the default ENGL Bundle Folder and _Installer user, similar to what the ENGL’s Integration Wizard does. It also provides the option to create different _Installer bundles for the ENGL Build process:

These bundles can then be assigned to a selected Installer user:
By extending both ZIM (ENGL’s Secure Imaging front-end menu system) as well as configuring a variable ENGL build process Installer user, the ZENworks administrator can select which Installer user is used for the Imaging Build process:

**Import Wizards**

**Import MSIs**

*The Generic MSI Import Wizard*

The generic MSI import Wizard lets you a select a directory in which multiple MSI packages have been stored. The best practice is to have a separate subdirectory per software product.

Setup Commander for ZENworks Standard Edition lets you import a maximum of five packages:
The Professional Edition does not have this limitation.

Click the Browse button in the upper left corner of the MSI Import Wizard in order to select the directory with MSI packages you want to import.

![MSI Import Wizard](image)

When the MSI packages have been listed in the grid, click Import to import the packages.
Use the Property grid to configure how you want the Windows bundles to be created.

<table>
<thead>
<tr>
<th>Property Grid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Architecture Level</strong></td>
</tr>
<tr>
<td>Adds an ARCHITECTURE=x86 requirement to the Windows bundle when the value is set to X86.</td>
</tr>
<tr>
<td>Adds an ARCHITECTURE=x64 requirement to the Windows bundle when the value is set to X64.</td>
</tr>
<tr>
<td>Adds no ARCHITECTURE requirement when the value is set to All.</td>
</tr>
<tr>
<td><strong>Bundle Folder</strong></td>
</tr>
<tr>
<td>Determines the bundle folder where the Windows bundles are created.</td>
</tr>
<tr>
<td><strong>Display Mode</strong></td>
</tr>
<tr>
<td>Determines the Display Mode for the executable security level that is used for the Install MSI action of the Windows bundle that is created.</td>
</tr>
<tr>
<td><strong>CreateAsSandbox</strong></td>
</tr>
<tr>
<td>Determines whether the Windows bundle is created in a Sandbox first. This feature is only available in ZENworks Configuration Management 11.x.</td>
</tr>
<tr>
<td><strong>GrantAdministratorPrivilege</strong></td>
</tr>
<tr>
<td>Determines if administrator privileges are granted to the user during the Install MSI action for the Windows bundle that is created.</td>
</tr>
<tr>
<td><strong>UILevel</strong></td>
</tr>
<tr>
<td>The quiet parameter setting that is used for the Install, Uninstall and Repair parameters for msiexec.</td>
</tr>
<tr>
<td><strong>Security Level</strong></td>
</tr>
<tr>
<td>Determines the executable security level for the Install MSI action of the Windows bundle that is created.</td>
</tr>
</tbody>
</table>
Import Virtual Applications

The App-V Import Wizard
The App-V Import Wizard is only available in the Professional Edition. It supports creating Windows Launch bundles for App-V 4.6 applications. You can use the App-V Import Wizard to connect to the Application Virtualization Database on the database server you have configured during installation of your App-V server.

All App-V applications that are available in the Application Virtualization Database are shown. Select the applications for which you want to create Launch bundles, then click Ok:
The Import App-V Application screen then shows the suggested bundle name and bundle description for every selected App-V application. The information is extracted from the App-V OSD file, and the App-V icon is used as an icon for the Windows bundle. When you want to change the name or description, you can click each cell and make changes accordingly. After selecting the Import check box for every bundle you want to create, click Import and the Launch bundles are created:

The Launch bundles that have been created have one Launch action each. The name of every Launch action is derived from the selected App-V application:
The action details show how the correct parameters for `sfttray.exe` are configured:

![Edit Action - Launch Executable](image)

- **Action Name:** "Launch sfttray.exe "Default Application 1.0"
- **Command:** `\Application Virtualization Client\sfttray.exe`
- **Command Line Parameters:** `/Launch "DefaultApp MFC Application 1.0.0.1"`
- **Working Directory:**
- **Success Return Codes:**
- **Codes separated by commas (e.g. 1,2,3)"

**Environment Variables**

- **Add**
- **Remove**
- **Edit**

Fields marked with an asterisk are required.
**The ThinApp Import Wizard**

The ThinApp Import Wizard is only available in the Professional Edition. It lets you mass import virtual applications created by VMware ThinApp:
The ZAV Import Wizard

The ZENworks Application Virtualization (ZAV) Import Wizard is only available in the Professional Edition. It lets you mass import virtual applications created by ZENworks Application Virtualization:
Creating Windows Bundles (MSI)

General
With Setup Commander for ZENworks, you can quickly and intuitively create a Windows bundle from a selected MSI package. For the Novell GroupWise Client, Novell Vibe Desktop, and Novell Filr, Configuration Wizards are also available.

Setup Commander for ZENworks Professional Edition has Configuration Wizards for applications such as Adobe AIR, Flash, Reader, and Acrobat, and VMware View, Player, and Workstation. For the most current list of configuration wizards, please visit our Web site.

Our Configuration Wizards provide you options to 'Remove all Desktop and/or Start Menu shortcuts, to 'Suppress' Reboots', to Disable auto-update mechanisms, to include Licensing Information, to include Database Settings and to configure many other most typical deployment options. These options are stored in a transform file (MST) for the selected MSI.

One example is our 'Google Chrome Configuration Wizard' with which one can configure the default configuration options for Google Chrome:
For those vendors MSI we don't have a Configuration Wizard for, Setup Commander for ZENworks will auto-generate a Configuration Wizard for you instantaneously:

An auto-generated Configuration Wizard is based on 'best practices' and can be optionally be sent to our support team for further analysis, to be enhanced and for publishing purposes, to become available for other Setup Commander for ZENworks users 'as a service':

After a Configuration Wizard has been auto-generated, it's available immediately to transform the selected MSI:
If you like to review the current list of Configuration Wizards, please start the 'Configuration Wizard Manager' from within Setup Commander for ZENworks, available under ‘Options’, ‘Configuration Wizards’:

![Configuration Wizard Manager](image)

![Configuration Wizard Manager](image)
Setup Commander for ZENworks Professional Edition also has a ‘Generic MSI Configuration Wizard’ available if you don’t want to use the Configuration Wizards available ‘as a service’:

![Generic MSI Configuration Wizard](image-url)
GroupWise 2014

The gw14.2.0_client_win_en.exe client that is available through the Novell download Web site is a 7-Zip self-extracting archive with the actual setup files embedded in it. You must extract the setup files first by either using an archive utility like WinZIP or WinRAR or by copying it out of your temporary directory c:\Users\username>\AppData\Local\Temp after you run this setup.

To use the GroupWise Configuration Wizard provided by the Setup Commander for ZENworks Standard Edition, select the groupwise.msi MSI package (stored in the ..\client\win32\ directory), then click the Create Bundle(s) button on the ribbon bar, or right-click the package and select Create Bundle(s) from the context menu.
Setup Commander for ZENworks matches this MSI setup with the GroupWise Configuration Wizard. You use the Configuration Wizard to configure the installation path; the program folder on the Start menu; whether shortcuts should be created on the desktop, Quick Launch, and in the Startup Folder; whether Internet browser mail integration should be installed; and whether GroupWise Document Management should be enabled.

The Language tab has the option to select which languages you want to install and which language should be the default. This is applicable if you deploy the multi-lingual version of the GroupWise 2012 client.

When you have reviewed all settings, click Ok.
All Configuration Wizard settings must be saved in an MSI transform file. In the Save Transform File dialog box, you can use the default MSI transform file name or choose a different file name, then click Save.
After the MSI transform file has been successfully saved, the Create Windows Bundle (MSI) dialog box is shown. Because the selected GroupWise.MSI is an uncompressed MSI package (which means all files needed for the installation have been stored separately), the option to include all files in and below the directory is automatically selected.

The File Upload screen is shown on top of the Create Windows Bundle (MSI) screen. This screen informs you about the number of files and their total size. Review the information, then click Ok:
The Create Windows Bundle (MSI) screen has different tabs.

**General**

**Bundle Type**
For Bundle Type, select either MSI or Network MSI.

Selecting MSI adds one Install MSI action to the Windows bundle to install the selected MSI from the ZENworks Content Repository.

Selecting Network MSI adds one Install MSI action to install the MSI using the network path of the selected MSI.

**Settings**
Create as a Sandbox creates the Windows bundle in a sandbox first.

The Include all files in and below the directory of the selected file option uploads all files for the selected MSI into the content repository.

**Bundle Details**
Bundle Name shows a suggested bundle name, which can be edited if needed.

Display Name shows a suggested bundle display name, which can be edited if needed.

Custom Icon shows the default icon of the selected MSI package.

UI Level shows the MSIexec quiet switch settings that are suggested for the MSI installation.

UNC Path only appears when you set the Bundle Type to Network MSI. You can convert a drive mapping to UNC notation by using the UNC button.

**Executable Security Level**
Use this option to set the executable security level for the Install MSI action that is added to the Windows bundle.

**Architecture**
Adds an ARCHITECTURE=x86 requirement to the Windows bundle when the value is set to X86.

Adds an ARCHITECTURE=x64 requirement to the Windows bundle when the value is set to X64.

Adds no ARCHITECTURE requirement when the value is set to All.
**Properties**
Right-click Properties, then use the context menu to add, edit, or remove public properties for selected MSI packages. Setup Commander for ZENworks Professional Edition provides a number of best practice public properties, such as the property for InstallScript-based MSI packages that can be installed without the ISSETUPDRIVEN=1 property.

**Transforms**
If you used the Configuration Wizard and saved the MSI transform file, it is automatically added to the Windows bundle. Right-click Transforms to add or remove additional transform files.
User Assignments
Right-click User Assignments to assign the Windows bundle to one or more users.

You can also set the Shortcut location accordingly.
**Device Assignments**
Right-click Device Assignments to assign the Windows bundle to one or more devices and device groups.

You can also set the Shortcut location accordingly.
**Administrator Notes**

Use Administrator Notes to specify notes for the Windows bundle.

Click Ok to create the Windows bundle in the designated Bundle folder.
After the Windows bundle has been successfully created, you can right-click the bundle and use the content menu to view the available options. If you want to review a subset of the Windows bundle details, use the Show Details option.
If you want to further customize the newly created Windows bundle, use the View Details in ZCC option, which redirects you to the bundle’s details in ZENworks Control Center.

Novell Vibe Desktop
Select one of the Novell Vibe MSIs, then use the Novell Vibe Desktop Configuration Wizard to configure the Vibe Server URL, which is saved in a MSI transform file and added to the Windows bundle.
Novell Vibe Desktop Configuration Wizard 1.0.0

Options Add or Remove Programs Shortcuts Features

- Remove all Desktop and/or Start Menu shortcuts
- Suppress reboots
- Run Vibe Desktop after installation

Vibe Server URL: https://vibe.rovabusoftware.nl

Create Windows bundle (MSI)

Settings:
- Create as Sandbox
- Include all files in and below the directory of the selected file

Bundle type:
- MSI
- Network MSI

Bundle details:
- Bundle Name: Novell Vibe Desktop 20.0.67
- Display Name: Novell Vibe Desktop 20.0.67
- Description:
- Custom Icon: C:\Users\Roeh\AppData\Local\Temp\b6551e6bfecc24a05ac605af84d93c195.png
- UI Level: /qn
- UNC path: C:\ProgramData\ROVABU Software BV\Setup Store\Novell Novell Vibe Desktop (x6 UNC)
- ZENworks Explorer Folder Path:

Executable Security Level:
- Run as logged in user
- Run as secure system user
- Run as dynamic administrator

Display Mode: Normal

Architecture:
- All
- x86
- x64
Novell Filr
Select one of the Novell Filr MSIs, then use the Novell Filr Configuration Wizard to configure the Filr Appliance address and port number. These values are saved in an MSI transform file and added to the Windows bundle.
Creating Windows Bundles (MSP)

General
You can use Setup Commander for ZENworks Standard Edition to quickly and intuitively create a Windows Bundle from a selected MSP file, which is a Windows Installer patch file.

Adobe Reader 11.0.16
Select the AdobeRdrUpd11016.msp MSP package and click the Create Bundle(s) button on the ribbon bar, or right-click the package and select Create Bundle(s) from the context menu.

The Create Windows Bundle (Microsoft Windows Installer Patch) screen has different tabs.

General
Bundle Type
For Bundle Type, select either MSP or Network MSP.

Selecting MSP adds one Install MSP action to the Windows bundle to install the selected MSP from the ZENworks Content Repository.

Selecting Network MSP adds one Install MSP action to install the MSP using the network path of the selected MSP.
**Settings**
Create as a Sandbox creates the Windows bundle in a sandbox first.

**Bundle Details**
Bundle Name shows a suggested bundle name, which can be edited if needed.

Display Name shows a suggested bundle display name, which can be edited if needed.

UNC path only appears when you set the Bundle Type to Network MSP. You can convert a drive mapping to UNC notation by using the UNC button.

**Executable Security Level**
Use this option to set the executable security level for the Install MSI action that is added to the Windows bundle.

**Architecture**
Adds an ARCHITECTURE=x86 requirement to the Windows bundle when the value is set to X86.
Adds an ARCHITECTURE=x64 requirement to the Windows bundle when the value is set to X64.
Adds no ARCHITECTURE requirement when the value is set to All.

**User Assignments**
Right-click User Assignments to assign the Windows bundle to one or more users. You can also set the Shortcut location accordingly.

**Device Assignments**
Right-click Device Assignments to assign the Windows bundle to one or more devices and device groups. You can also set the Shortcut location accordingly.
Creating Windows Bundles (EXE) – Install Bundle Type

General
With Setup Commander for ZENworks Standard Edition, you can quickly and intuitively create a Windows bundle from a selected legacy setup (non-MSI setup) or an application’s executable.

When you are dealing with a software setup, an Install Windows bundle is created. This Windows bundle covers only the installation of the application by using one or more Install actions.

When you are dealing with one or more application executables, a Launch Windows bundle is created. This Windows bundle covers only the start of the application by using a Launch action. You can add an Install Bundle action to a Launch Windows bundles to configure their dependencies.

When you have selected an application setup, Setup Commander for ZENworks Professional Edition advises you with the correct unattended/installation parameters. With Setup Commander for ZENworks Standard Edition you must manually add the parameters. A good resource to find these parameters is [http://www.itninja.com](http://www.itninja.com) or [http://www.appdetails.com](http://www.appdetails.com).

Legacy setups from Novell and Micro Focus, like Novell iFolder and the Novell Client for Windows, are fully supported in Setup Commander for ZENworks Standard Edition.

Setup Commander for ZENworks Professional Edition has extensive support for vendor legacy setups (non-MSI setups). It provides consistent unattended/silent switches for legacy setups made with common setup software like NSIS, InnoSetup, Wise, InstallShield, Ethalone Ghost Installer, and InstallAware.

The Professional Edition also provides consistent naming (bundle name and bundle display name) for your Windows bundles when software setups do not provide a usable Productname and Productversion natively. Either the default name is extracted from the installer itself or it is read from our own internal database of legacy setups.

In the Professional Edition, most legacy setups are covered by these features. Our Web site has a list of setups for which support was explicitly added, either because a specific setup system was being used and our generic scanner could not determine the correct unattended/silent switches, or we needed more consistent naming.
If you are using Setup Commander for ZENworks Professional Edition and want to request support for a specific legacy setup that we are not supporting yet, please send us the details by selecting the setup in Setup Commander for ZENworks and selecting ‘Submit for Analysis’.

A support ticket will be generated then on our website:
**Microsoft Silverlight**

Microsoft Silverlight 5.1 is a legacy setup that installs Microsoft Silverlight components.

Select the `Silverlight_x64.exe` setup file and click the Create Bundle(s) button on the ribbon bar, or right-click the setup file and select Create Bundle(s) from the context menu.
The Create Windows Bundle screen has different tabs.

**General**

**Bundle Type**
For Bundle Type, select either Install or Launch. Because the Silverlight executable is a software setup, the Install bundle type has been selected by default.

**Settings**
Create as a Sandbox creates the Windows bundle in a sandbox first.

You can also select to upload the selected setup into the content repository.

An option to include all files is enabled after you select the Upload check box. All files in the same directory as the selected file are uploaded to the content repository.

**Bundle Details**
Bundle Name shows a suggested bundle name, which can be edited if needed.

Display Name shows a suggested bundle display name, which can be edited if needed.

Command shows the path of the selected executable. You can convert a drive mapping to UNC notation by using the UNC button.

Command Line Parameters are the command line parameters that need to be set for the selected executable. When you are working with a software setup, Setup Commander for ZENworks Professional Edition provides the correct unattended/silent switches here.

Success Return Codes lets you configure success return codes when an application or application setup returns something other than 0 as the success return code after its launch.

Custom Icon allows you to configure a custom icon for the Windows bundle.

**Executable Security Level**
Use this option to set the executable security level for the Install MSI action that is added to the Windows bundle.

**Architecture**
Adds an ARCHITECTURE=x86 requirement to the Windows bundle when the value is set to X86.
Adds an ARCHITECTURE=x64 requirement to the Windows bundle when the value is set to X64.
Adds no ARCHITECTURE requirement when the value is set to All. The selected setup in this case is for a 64-bit architecture only, therefore you have to set the architecture to x64.
Environment Variables
Right-click Environment Variables to add, edit, or remove environment variables.

User Assignments
Right-click User Assignments to assign the Windows bundle to one or more users. You can also set the Shortcut location accordingly.

Device Assignments
Right-click Device Assignments to assign the Windows bundle to one or more devices or device groups. You can also set the Shortcut location accordingly.

Administrator Notes
Use Administrator Notes to specify notes for the Windows bundle.
Creating Windows Bundles (EXE) – Launch Bundle Type

General
With Setup Commander for ZENworks Standard Edition, you can quickly and intuitively create a Windows bundle from a selected legacy setup (non-MSI setup) or an application’s executable.

When you are dealing with a software setup, an Install Windows bundle is created. This Windows bundle covers only the installation of the application by using one or more Install actions.

When you are dealing with one or more application executables, a Launch Windows bundle is created. This Windows bundle covers only the start of the application using a Launch action. You can add an Install Bundle action to the Launch Windows bundle to configure their dependencies.
GroupWise 2014
In order to create Launch bundles with Setup Commander for ZENworks, you must first install the application for which you want to create Launch Bundles on the device where Setup Commander for ZENworks is running. Select the application executables that you want to create Launch bundles for and click Create Bundles:

The Create Windows Bundle screen has different tabs.
General

Bundle Type
The bundle type has been set to Launch.

Settings
Create as a Sandbox creates the Windows bundle in a sandbox first.

The option to upload the selected file to the content repository is not applicable for a Launch bundle.
The option to include all files is not applicable for a Launch bundle.

Bundle Details
Bundle Name shows a suggested bundle name, which can be edited if needed.

Display Name shows a suggested bundle display name, which can be edited if needed.

Command shows the path of the selected executable. You can convert a drive mapping to UNC notation by using the UNC button.

Command Line Parameters are the parameters that need to be set for the selected executable. When you are working with a software setup, Setup Commander for ZENworks Professional Edition provides the correct unattended/silent switches here.

Success Return Codes lets you configure success return codes when an application or application setup returns something other than 0 as a success return code after its launch.

Custom Icon allows you to configure a custom icon for the Windows bundle.

Executable Security Level
Use this option to set the executable security level for the Launch Executable action that is added to the Windows bundle.

Architecture
Adds an ARCHITECTURE=x86 requirement to the Windows bundle when the value is set to X86.
Adds an ARCHITECTURE=x64 requirement to the Windows bundle when the value is set to X64.
Adds no ARCHITECTURE requirement when the value is set to All.
In this example, a 64-bit executable has been selected and therefore the architecture is set to x64.

Environment Variables
Right-click Environment Variables to add, edit, or remove environment variables.

User Assignments
Right-click User Assignments to assign the Windows bundle to one or more users. You can also set the Shortcut location accordingly.

Device Assignments
Right-click Device Assignments to assign the Windows bundle to one or more devices or device groups. You can also set the Shortcut location accordingly.

Administrator Notes
Use Administrator Notes to specify notes for the Windows bundle.
**Setup Store**

**General**
The 'Setup Store' is a kind of 'Application Store' of setups for Windows applications. Instead of spending time on finding the correct download links for the latest versions of setups of most common Windows applications, you can now easily download their setups from the 'Setup Store' and build or extend your own software setup catalog. You can sort, search and filter the complete 'Setup Store' based on Manufacturer Name, Product Name, Version Number, Setup Type, Category, Platform, Filename, Language or Date on which the setup has been added to the Setup Store.

*This white paper* has all the details.