

# ZENworks Application Virtualization 9.0 Readme

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The information in this Readme pertains to Novell ZENworks Application Virtualization, which lets you convert applications that run on Microsoft Windows into self-contained virtual applications.

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## 1 What’s New in Version 9.0

This section describes new features, enhancements, and bug fixes that are part of the ZENworks Application Virtualization 9.0 release.

- ♦ **Application Harvesting through Recipes:** ZENworks Application Virtualization 9.0 introduces a new method for packaging applications. After you install all of the applications that are to be virtualized onto a representative machine, Studio scans the machine and finds all the applications that match a recipe list. You can then select the applications for virtualization. Studio harvests the files on the endpoint to build the application.
- ♦ **Desktop Scan:** You can scan the local machine for installed applications and match them to the current template list. An administrator can then select from the list of matched applications and virtualize one or more in a single step.
- ♦ **Juke-boxing Support for Streamed Applications:** You can have multiple icons (ZENworks or standalone Web URLs) referring to the same streamed content with different triggers.
- ♦ **Offline Support for Streamed Applications:** Applications can be launched offline if the application is registered to the desktop and fully cached.
- ♦ **Securing Applications Based on Active Directory Status:** You can limit applications so that they run only if the current user is a member of a specified AD domain or AD User Group. This is very useful if you do not have ZENworks Configuration Management 10.x or ZENworks 11.x and you want to control application sprawl.
- ♦ **Custom Shims:** ZENworks currently offers a built-in shim that limits applications so that they run only on devices managed by ZENworks. Similarly, ZENworks Application Virtualization 9.0 has introduced an option to limit applications based on user membership in Active Directory. In addition to these two methods, ZENworks Application Virtualization 9.0 now offers the ability to create custom shims and use them with virtualized applications to control application launch behavior. For more information on how to create a custom shim, see the [ZENworks Application Virtualization User Guide \(http://www.novell.com/documentation/zav90/pdfdoc/zav90\\_user\\_guide/zav90\\_user\\_guide.pdf\)](http://www.novell.com/documentation/zav90/pdfdoc/zav90_user_guide/zav90_user_guide.pdf).

- ♦ **Command Line Launch for Virtual Applications Registered with the Desktop:** You can now launch applications registered to the desktop using SpoonReg via the command-line. When registering an application with the desktop using SpoonReg, an administrator can now specify a UID instead of a random one being created. The program creates a launch shortcut that allows for a ZENworks bundle to be created. The ZENworks bundle installs, registers, and launches the virtual applications. This is useful for administrators who need to use the features of SpoonReg that are not available when delivering applications using an MSI, such as custom sandboxes. For more information, see the *ZENworks Application Virtualization User Guide* ([http://www.novell.com/documentation/zav90/pdfdoc/zav90\\_user\\_guide/zav90\\_user\\_guide.pdf](http://www.novell.com/documentation/zav90/pdfdoc/zav90_user_guide/zav90_user_guide.pdf)).
- ♦ **New Look and Feel:** The ZENworks Application Virtualization 9.0 Studio has a new look and feel, similar to ZENworks 11, Vibe, and Novell GroupWise.

## 2 Product Documentation

The following sources provide information about Novell ZENworks Application Virtualization 9.0:

- ♦ *ZENworks Application Virtualization Documentation Web site* (<http://www.novell.com/documentation/zav90/>).
- ♦ *Novell ZENworks Application Virtualization Product Page* (<http://www.novell.com/products/zenworks/applicationvirtualization/>)

## 3 Understanding the Upgrade Requirements

- ♦ All application configuration documents and application certificates must be re-created for application streams to work with the ZENworks Application Virtualization 9.0 standalone components. To generate a new certificate and regenerate the configuration files:
  1. In the Advanced section of the ZENworks Application Virtualization Studio, click the *App Config* button to regenerate the application stream configuration files.
  2. To generate a new site license certificate, click *Advanced*.
  3. In the Application Certificates dialog box, click *Request Certificate*.
  4. Specify the following information in the fields:
    - ♦ **Organization:** The organization name.
    - ♦ **Unit:** The user or unit name.
    - ♦ **Allowed Portal Hosts:** The allowed host names of the servers from which the application will stream.
  5. Click *Request* to request the site license certificate, then save the certificate to a desired location.
  6. Click the *App Config* button to regenerate the application stream configuration files again.
- ♦ ZENworks Application Virtualization versions 8.x and 9.0 always run side-by-side on a device. The ZENworks Application Virtualization 9.0 installation does not change previous installations in any way. However, if you open a virtual application and save it in version 9.0, it should not be subsequently used with version 8.x.

## 4 Known Issues

This section contains information about issues that might occur in ZENworks Application Virtualization:

- ♦ [Section 4.1, “Unsupported Virtual Applications for Specific Platforms,” on page 3](#)
- ♦ [Section 4.2, “Virtual Applications Built with the Require ZCM Agent Option Might Not Launch,” on page 4](#)
- ♦ [Section 4.3, “Virtual Email Clients Do Not Work Together on a Single Machine,” on page 4](#)
- ♦ [Section 4.4, “Issues Related to Web Browsers,” on page 4](#)
- ♦ [Section 4.5, “Integration Issues with Microsoft Office and Novell GroupWise,” on page 5](#)
- ♦ [Section 4.6, “Coexistence Issues with Microsoft Office 2007 and Microsoft Office 2010,” on page 5](#)

### 4.1 Unsupported Virtual Applications for Specific Platforms

There are several issues in ZENworks Application Virtualization 9.0 regarding support for virtualized applications on 64-bit Windows machines.

- ♦ [Section 4.1.1, “Running a 32-bit Microsoft Office virtualized application on the Windows 64-bit platform is not supported,” on page 3](#)
- ♦ [Section 4.1.2, “Running the Citrix ICA Demo 11.100.0.0 virtualized application on a Windows XP 64-bit machine is not supported,” on page 3](#)

#### 4.1.1 Running a 32-bit Microsoft Office virtualized application on the Windows 64-bit platform is not supported

Running a virtualized 32-bit Microsoft Office 2003 Professional Enterprise application is not supported on the following 64-bit platforms:

- ♦ Windows Server 2008 64-bit
- ♦ Windows 7 64-bit
- ♦ Windows Vista 64-bit

The application has been removed from the default application creation template on machines running the 64-bit platform.

Running a virtualized 32-bit Microsoft Office 2007 application on a 64-bit platform also fails.


#### 4.1.2 Running the Citrix ICA Demo 11.100.0.0 virtualized application on a Windows XP 64-bit machine is not supported

Application virtualization of the Citrix ICA Demo 11.100.0.0 application is not supported on the Windows XP 64-bit platform.

## 4.2 Virtual Applications Built with the Require ZCM Agent Option Might Not Launch

A virtual application might fail if you build it by using the *Require ZENworks Configuration Management Agent to be installed on workstation executing the virtual application* option on the ZENworks panel of the control console, then copy the application to a machine where the ZENworks Configuration Management Agent is installed. You see the following error when you launch the virtual application:

This application can only be run on devices registered with a ZENworks zone.

Workaround: To avoid this issue, make sure that you save the ZENworks configuration settings (that is, the changes made to the ZENworks panel of the console and stored in the \*.xappl file) before you build the application. To save changes, click  > *Save Configuration*.

## 4.3 Virtual Email Clients Do Not Work Together on a Single Machine

If you are running virtual email client applications such as Novell GroupWise and Microsoft Outlook Express together on a single machine, they might not work properly.

Workaround: None

## 4.4 Issues Related to Web Browsers

The following issues in ZENworks Application Virtualization 9.0 relate to its use with various Web browsers.

- ♦ [Section 4.4.1, “Internet Explorer 9 might fail to launch on platforms other than Windows Vista and Windows 7,” on page 4](#)
- ♦ [Section 4.4.2, “Harvesting Internet Explorer 7 Is Not Supported on 64-bit Windows Managed Devices,” on page 4](#)
- ♦ [Section 4.4.3, “Registering Internet Explorer Applications through SpoonReg Might Show Incorrect Entries in the Start Menu,” on page 5](#)

### 4.4.1 Internet Explorer 9 might fail to launch on platforms other than Windows Vista and Windows 7

Although you can build the Virtual Internet Explorer 9 on all versions of Windows, you might encounter errors while launching the application because it is supported only on Windows Vista and Windows 7.

### 4.4.2 Harvesting Internet Explorer 7 Is Not Supported on 64-bit Windows Managed Devices

If you are using a virtual Internet Explorer 7 browser, it can only be harvested from x86 platforms. Currently, harvesting Internet Explorer 7 is not supported on x64 platforms.

Workaround: None

#### 4.4.3 Registering Internet Explorer Applications through SpoonReg Might Show Incorrect Entries in the Start Menu

If you are using SpoonReg to register Internet Explorer applications that are built by using the template wizard or desktop scan, the Start Menu entries do not include the version number of the browser.

Workaround: Use only the template wizard and not the desktop scan to build an Internet Explorer application. After the configuration is loaded into the ZENworks Application Virtualization Studio, update the Start Menu items to the desired values in the Setup section of the ZENworks Application Virtualization Studio.

### 4.5 Integration Issues with Microsoft Office and Novell GroupWise

There are some known issues with the integration of Microsoft Office and the Novell GroupWise mail client. These behaviors are in accordance with the design specifications for these applications.

- ♦ On a Windows XP x64 device, when you right-click *SendTo*, the installer attempts to load Microsoft Outlook Express instead of GroupWise.
- ♦ On a Windows Vista/7 (x86, x64) device an existing user will have GroupWise as the default mail client. All additional users need to go through the *Default Programs Menu* if they choose to make GroupWise the default mail client.
- ♦ Virtualized Microsoft Outlook 2010 x64 crashes on startup when GroupWise is the default mail client, because the Microsoft Office x64 virtual application tries to load the x86 `MAPI.dll` file to which GroupWise is already registered.
- ♦ Microsoft Outlook 2003 displays the following error message on startup when GroupWise is the default mail client: `unable to resolve recipient`. You can ignore this error message and proceed.
- ♦ GroupWise freezes on rare occasions during the `MailTo` process. GroupWise is launched in the task list, but the mail dialog box never appears. This issue is observed on Windows XP x64 devices.

### 4.6 Coexistence Issues with Microsoft Office 2007 and Microsoft Office 2010

Microsoft Office 2010 and Office 2007 cannot be registered in the same sandbox because they cannot share the registry.

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