

Symantec™ Workspace Streaming 6.1 Evaluator's Guide



Contents

Chapter 1	Symantec Workspace Streaming	5
	Why Symantec for virtualization?	5
	Reduce cost and increase flexibility	6
	Gain control of your applications	6
	Accelerate rollouts	6
	Track licenses	7
	Complete lifecycle management	7
Chapter 2	Evaluation Quick Start	9
	Introduction	9
	Requirements	9
	Installing Workspace Streaming	10
	Downloading Workspace Streaming trialware	11
	Installing the Workspace Streaming system	11
	Launching the Streaming Console	12
	Selecting a user data source	13
	Import users from Active Directory	13
	Create local users	14
	Streaming and managing applications	15
	Add software packages	16
	Provision applications	17
	Install SVS	18
	Stream an application	18
	Track licenses and run reports	19

Symantec Workspace Streaming

This chapter includes the following topics:

- [Why Symantec for virtualization?](#)
- [Reduce cost and increase flexibility](#)
- [Gain control of your applications](#)
- [Accelerate rollouts](#)
- [Track licenses](#)
- [Complete lifecycle management](#)

Why Symantec for virtualization?

Symantec is changing the way software is managed, delivered, and consumed at the endpoint. By separating the desktop experience from the hardware, Symantec helps you improve management, protection, and accessibility.

Symantec's virtualization technology has received numerous awards, including Best Application Virtualization 2008.



Reduce cost and increase flexibility

As IT organizations face exploding numbers of desktops, laptops, and mobile devices, new ways to deliver and provision essential applications become critical to ensuring cost-effective management and limited disruption to productivity.

These management challenges are only increased by mobile and remote users, and by the increased use of assets that are not controlled by IT.

Some of these challenges include:

- Migrating to new operating systems and software versions while maintaining legacy versions of applications.
- Restoring failed systems quickly and getting new users productive quickly.
- Guaranteeing compliance and enforcing security regulations.
- Reducing maintenance spending.

Symantec Workspace Streaming helps solve these issues by providing a scalable, drop-in software lifecycle management solution with low adoption costs.

Gain control of your applications

Rather than isolating applications to gain control, Symantec's application virtualization technology seamlessly integrates virtualized applications to preserve the user experience. Virtualized applications act like normal applications, ensuring normal behavior and full functionality.

In addition to preserving the user experience, Workspace Streaming lets you:

- Instantly repair damaged applications by resetting them to a known state.
- Run two version of the same program side by side.
- Add and remove software with zero impact on the underlying operating system.
- Turn applications on and off instantly.

The end result is a more manageable desktop. Application conflicts are eliminated along with the problems associated with failed and corrupted software installations.

Accelerate rollouts

Installing software does not need to be a time-consuming, complicated process. Many companies spend between one and six weeks performing pre-deployment testing, in addition to the time managing a software rollout.

Using streaming technology, virtualized applications can be instantly delivered with minimal need for testing. Applications are:

- Delivered instantly when and where you need them.
- Available for use with minimal data streamed.
- Streamed to standard, thin, and virtualized clients.

Track licenses

Workspace Streaming provides powerful, verifiable license tracking with active enforcement of virtualized, streamed, and unmanaged software. Integrated reports provide a wide range of license, provisioning, and usage statistics. The back-end database lets you integrate with other reporting systems or create custom reports. Using Workspace Streaming, license compliance is guaranteed using active enforcement.

Complete lifecycle management

Workspace Streaming is much more than a better way to package and deliver software. Workspace Streaming goes beyond resolving application conflicts and restoring broken applications to provide:

- Entire applications streamed for disconnected remote users. License and usage restrictions are enforced even if the computer is disconnected.
- Application version control. Easily upgrade your entire company to a new software version.
- Management of both virtual and traditional applications from a single point.

Complete lifecycle management lets you quickly roll out software, ensure proactive license compliance, and reduce support and upgrade costs for complex custom applications. Retired applications can be quickly removed from your environment eliminating problems with upgrades.

Evaluation Quick Start

This chapter includes the following topics:

- [Introduction](#)
- [Requirements](#)
- [Installing Workspace Streaming](#)
- [Launching the Streaming Console](#)
- [Selecting a user data source](#)
- [Streaming and managing applications](#)

Introduction






This Evaluator's Guide is designed to help you set up Symantec Workspace Streaming and explore the benefits of application virtualization and streaming.

After you complete this guide you are encouraged to review the Workspace Streaming 6.1 Administrator's Guide to learn more about the advanced capabilities of Workspace Streaming.

Requirements

The following table lists what you need to set up an evaluation environment:

Table 2-1 Evaluation requirements

Requirement	Description
	<p>A physical or virtual server with Windows 2003 or 2008 to host the streaming system. For best performance this server should have at least 1 GB of RAM.</p>
	<p>One or more physical or virtual clients with Windows XP or Vista to receive streamed software.</p>
	<p>Software applications to stream to users.</p> <p>We recommend downloading some pre-packaged applications from http://www.symantec.com/community/. The following streaming packages are used in this guide:</p> <ul style="list-style-type: none"> ■ Notepad Plus Plus ■ FileZilla
	<p>Active Directory or other LDAP directory to import users. You also need a user account with rights to perform searches.</p> <p>If a directory is not available, you can create local users to evaluate the product.</p>
	<ul style="list-style-type: none"> ■ A SymAccount. You can create one when you download the Workspace Streaming trialware. ■ Filter manager roll up for Windows XP SP2, available at: http://support.microsoft.com/kb/914882 You might be prompted to install this hotfix before streaming to Windows XP computers.

Installing Workspace Streaming

This section guides you through downloading and installing Symantec Workspace Streaming.

For evaluation, all streaming system components and an automatically-configured PostgreSQL database are installed on a single server.

Table 2-2 Process for installing Workspace Streaming

Step	Task	Description
Step 1	Download the Workspace Streaming and SVS software from the Symantec trialware site.	See “ Downloading Workspace Streaming trialware ” on page 11.
Step 2	Extract the zip files you downloaded to your server.	Workspace Streaming contains the streaming server and the agent that runs streamed software.
Step 3	Execute the self-extracting installation file.	You must have at least 200 MB of free space in the %temp% folder.
Step 4	Install the Workspace Streaming System.	See “ Installing the Workspace Streaming system ” on page 11.

Downloading Workspace Streaming trialware

Workspace Streaming trialware provides a 30-day evaluation.

To download Workspace Streaming trialware

- 1 Browse to <http://www.symantec.com/business/endpoint-virtualization-suite>
- 2 Click the Trialware icon.



- 3 Download **Workspace Streaming 6.1** and **Software Virtualization Solution**.
- 4 Copy the Workspace Streaming 6.1 files to your server and the Software Virtualization Solution files to your client.

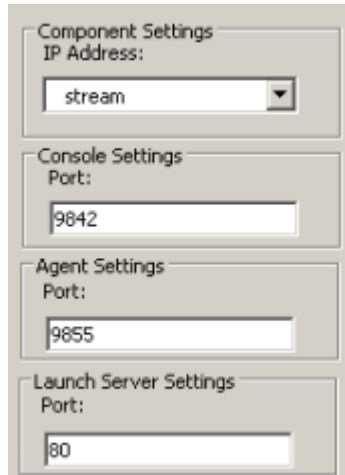
Installing the Workspace Streaming system

The streaming system includes the server components to manage distribution of standard and virtual applications and tracks licenses.

To install the Workspace Streaming system

- 1 Run the Workspace Streaming installation and click **Install Components**.
- 2 Click **Install Streaming Server**.

- 3 Select **Single Node** and click **Next**.
- 4 A 30-day evaluation license is selected by default. Leave this selection and then **Next**.
- 5 Click **Next** to accept the default port assignments.



The screenshot shows a configuration wizard with four sections:

- Component Settings**: IP Address: stream (dropdown menu)
- Console Settings**: Port: 9842 (text input)
- Agent Settings**: Port: 9855 (text input)
- Launch Server Settings**: Port: 80 (text input)

- 6 Select **Create Streaming Server and DB instance**.
- 7 Select **Install PostgreSQL database** and click **Next**.



The screenshot shows a radio button selection for the PostgreSQL database installation:

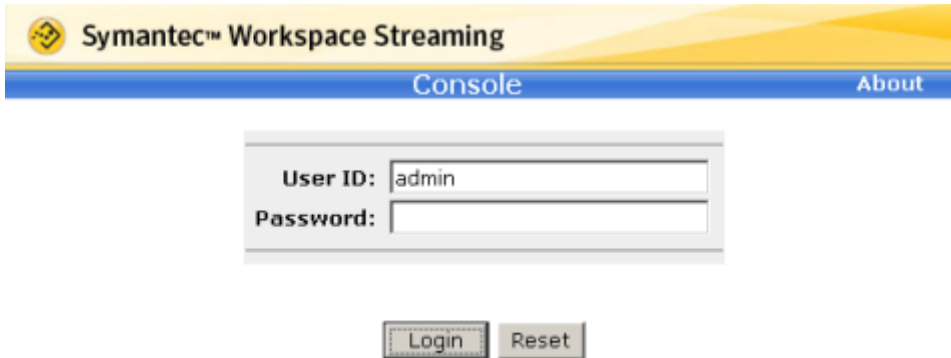
- Install PostgreSQL database**
Choose this option for default PostgreSQL 8.2.4 installation.

- 8 Provide a database password and click **Next**.
- 9 Click **Install** and restart the computer when prompted.

Launching the Streaming Console

The Streaming Console is the central point of management for the streaming system. The Streaming Console lets you add users, upload and provision software packages, and run reports.

After the server restarts, click Start > Programs > Symantec > Workspace Streaming > Streaming Console to load the Streaming Console Web interface:



Symantec™ Workspace Streaming

Console About

User ID: admin

Password:

Login Reset

Log in with a User ID of **admin** and a blank password.
Click Continue after the configuration completes.

Selecting a user data source

The first time you log on you are prompted to configure the user data source. If your company is using Active Directory or another LDAP directory, users and groups can be imported and synchronized automatically. Otherwise, users and groups can be created directly in the database.

Import users from Active Directory

Active Directory integration lets you authenticate users to the streaming system automatically. When a user logs on, you can configure the streaming agent to prepopulate users' desktops with application icons so you can distribute applications without user interaction.

To import users and groups from Active Directory, select Active Directory.

Active Directory
Users and user groups will be read from Active Directory

To import users and groups

- 1 Active Directory servers are detected automatically. If your server is not detected, add it manually and click **Next**.
- 2 Provide your username and password. The query string is prepopulated and does not need to be changed in most evaluation environments.

- 3 Click **Next** to test the connection.
- 4 After the test completes, select **Automatic login** as the Authentication Mode. Groups and users matching the search string and users are imported automatically.

Create local users

If you are not using Active Directory users can be added to the system manually. Select **Symantec Workspace Streaming local data source** and then click Next.

• Symantec Workspace Streaming local data source
Users and user groups must be manually created

Click Continue after the configuration completes.

To add users

- 1 In the left pane, click **Users** in the **Provisioning** category.



- 2 Click **Add** and provide a first name, last name, user name, and password.
- 3 Click **Save**.

Total: 1 [1-1]	
Username	Name
<input type="checkbox"/> jblack	Joe Black
Total: 1 [1-1]	

- 4 If you are testing using multiple workstations, add additional users.

To add groups

- 1 In the left pane, click **User Group** in the **Provisioning** category.



- 2 Click **Add** and provide a group name.
- 3 Add each of your test users to this group by moving them from the **Available Users** list to the **Current Users** list.
- 4 Click **Save**.

Streaming and managing applications

Now that you have completed basic configuration, you are ready to stream applications.

This section guides you through the following:

- Adding software packages
- Provisioning applications
- Streaming applications
- Running reports and tracking licenses

Table 2-3

Step	Task	Description
Step 1	Add software packages.	Software packages are converted and optimized for streaming before they are added to the streaming system. Workspace Streaming includes the Streaming Composer application to create streaming packages directly from MSIs, VSAs, or background capture. See “Add software packages” on page 16.

Table 2-3 (continued)

Step	Task	Description
Step2	Provision applications to user groups.	Each user belongs to one or more groups. Group membership determines which applications a user can access. See “ Provision applications ” on page 17.
Step 3	Install the SVS Agent.	The SVS Agent enables you to run virtualized applications. See “ Install SVS ” on page 18.
Step 4	Run a streamed application.	After an application is assigned to a user it can be access immediately in the Streaming Portal. See “ Stream an application ” on page 18.
Step 5	Run reports and track user licenses.	Workspace Streaming provides extensive reporting. See “ Track licenses and run reports ” on page 19.

Add software packages

For evaluation, we recommend downloading pre-packaged applications from <http://www.symantec.com/community/>.

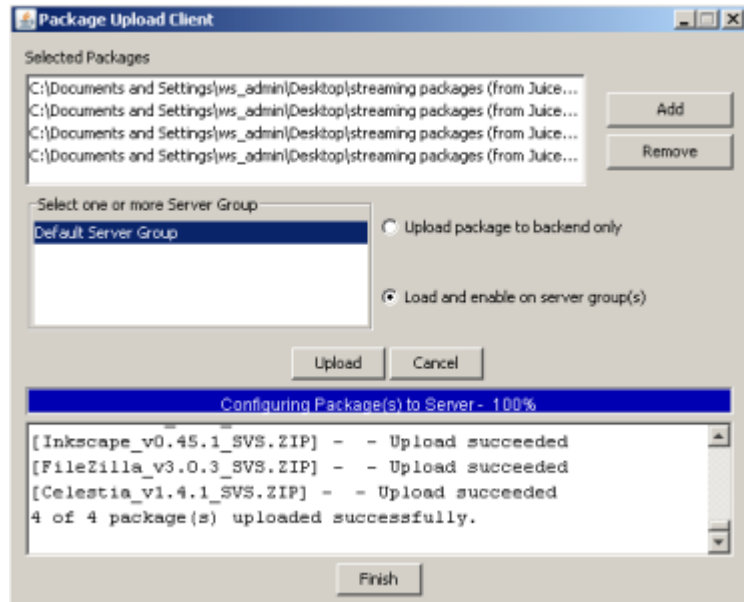
To import a software package

- 1 Open the Streaming Console.
- 2 In the left pane, click **Packages** in the Provisioning category.



- 3 Click **Add**. Install the Java Runtime Environment if prompted and then install the Package Upload client.

- Click **Add**, browse to the packages you want to stream, and then click **Upload**.



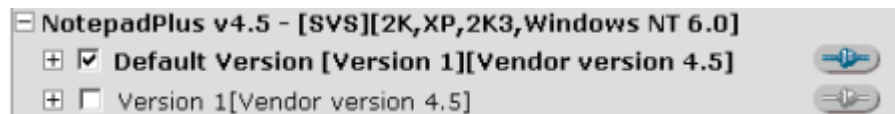
- Click **Finish** when the upload completes.

Provision applications

Applications are provisioned by adding them to a group.

To provision applications

- In the Streaming Console, click **User Group** and select your test group.
- On the **Modify User Group** screen, click **Provisions**.
- Provision the default version by clicking the check box.



- Click **Save**.

Provisioning the default version rather than a specific version lets you quickly migrate users to a new version. When a new version of Notepad++ is released you can quickly migrate all users by changing the default version.

Users immediately have access to the new application and only the bit-level differences between the two versions are streamed.

Install SVS

The SVS Agent integrates with Workspace Streaming to enable execution of virtual applications.

Installing the SVS Agent

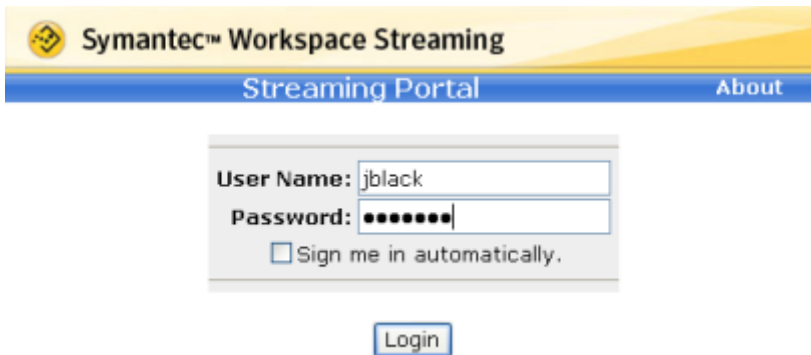
- 1 On your client workstation, extract the SVS zip you downloaded from the trialware site.
- 2 Open `svs_21_licensekey.txt` in a text editor and copy the license to the clipboard.
- 3 Run `Software_Virtualization_Agent.msi`. When prompted, press `ctrl+V` to paste the license key.
- 4 On the Select Features screen, enable **Software Virtualization Admin Tool**.

Stream an application

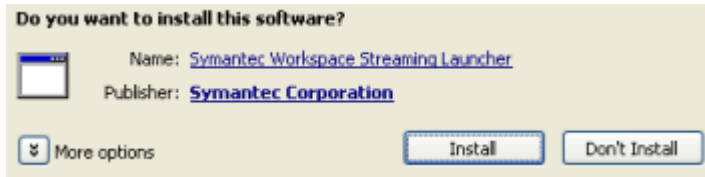
For this evaluation, the Streaming Agent is installed through a web browser. In a production roll-out, the client can be distributed using Active Directory group policies or a software distribution framework.

To stream an application

- 1 Browse to the hostname or IP address of your streaming server. For example, <http://streaming>.
- 2 If you are using Active Directory, you are logged in automatically. If not, log on to the Streaming Portal as a test user and select **Sign me in automatically**.



- 3 Click **Install** to install the Streaming Agent when prompted. If the installation doesn't work, make sure you have ActiveX enabled in your internet settings and allow the installation if the yellow security bar appears.



- 4 The browser quits while the agent is installed, and then reopens when the installation completes. Provisioned applications are displayed in the portal.



To stream an application click the application name.

Track licenses and run reports

Symantec Workspace Streaming provides detailed reports and license tracking.

To track license usage

- 1 Click **Provisioning > Manage License**.
- 2 Click the application name to view the License Descriptor detail.
- 3 Provide license details and set up license usage notifications.

To view reports

- 1 Click **Reports > Report Listing**.
- 2 After selecting a report, provide any required filters and select an output format.

