

Quick Start Guide to Installing Your SSL-Explorer Server using the UNIX Tarball release

This article explains how to quickly set up a basic installation of SSL-Explorer using the UNIX Tarball release for UNIX operating systems. By the end of this article the reader will have a fully installed SSL-Explorer VPN server instance on their target machine.

Installation Prerequisites

The SSL-Explorer server requires the Java Runtime Environment (JRE) 5.0 to operate. This can be downloaded freely from the Java website <http://java.sun.com/j2se/1.5.0/download.jsp>, and is also available for download during the installation process. This is only a requirement on the server side. Your clients can connect from any Java-enabled browser, including early versions of Internet Explorer that use the Microsoft VM.

Clean installation

If this is a clean installation of the chosen operating system it is strongly recommended that all service packs, updates, patches and hot-fixes be applied prior to installing SSL-Explorer.

Upgrade Installations

Simply follow these instructions to upgrade an existing installation of the UNIX Tarball release:

Step 1

Ensure that the SSL-Explorer service is not running by running the following command:

`service sslexplorer stop` (for Redhat based Linux)

Or

`/etc/init.d/sslexplorer stop` (For Ubuntu/Debian based Linux)

Go to the SSL-Explorer installation directory and make a copy of the conf and db directories, place the copies of the directories in a safe location. Inside the copy of the conf directory go to `conf/repository/archives/`, delete all zip files that begin with `sslexplorer-community` or `sslexplorer-enterprise`.

Step 2

Now unzip the contents of the new release and install them over the current installation, allowing it to overwrite all files.

Step 3

Now take the directories that were copied earlier and place them inside the new installation, allowing these to overwrite the existing files. Now the SSL-Explorer service can be started. The installation will be updated, however your old configuration will remain in place.

Installation of SSL-Explorer

This section explains the steps required when using the standard SSL-Explorer installer. The process is identical for both Community and Enterprise editions of SSL-Explorer. Instructions for installing the Source Code distribution of SSL-Explorer Community Edition can be found in the 3SP Knowledge Base,

http://3sp.com/kb/idx/63/167/article/How_do_I_install_the_source_code.html.

Step 1

Ensure that the currently logged in account has the correct permissions to write files from an archive to system directories. Locate the SSL-Explorer .tar.gr archive and extract the contents, this can be done with the GUI or with the following command:

```
tar -xvzf sslexplorer_unix.tar.gz
```

Step 2

The SSL-Explorer program directory is extracted. The next stage is to install SSL-Explorer as a service on the local system; this can be done by executing the appropriate service file with a command looking as such:

```
/{path to sslexplorer}/sslexplorer/install/platforms/{OS}/install-service
```

The available options for the {OS} section are Linux, FreeBSD, Mac, Slackwear, Solaris,

Step 3

Now the Installation Wizard must be run to configure the server. Move into the new sslexplorer directory and run the install-sslexplorer file, this can be done with the GUI or with the following command

```
./install-sslexplorer
```

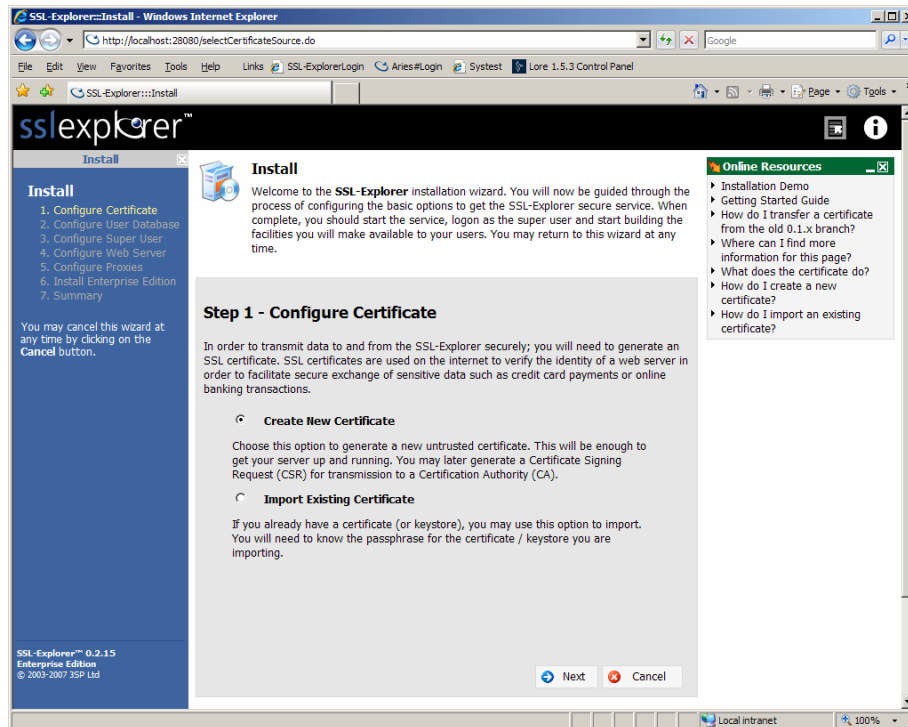
The following screen is displayed while the Installation Mode starts



This in turn should, but not always, launch a web browser pointing to the setup mode. If this does not occur within a few minutes you it can be forces manually by opening a browser and pointing it to <http://localhost:28080>.

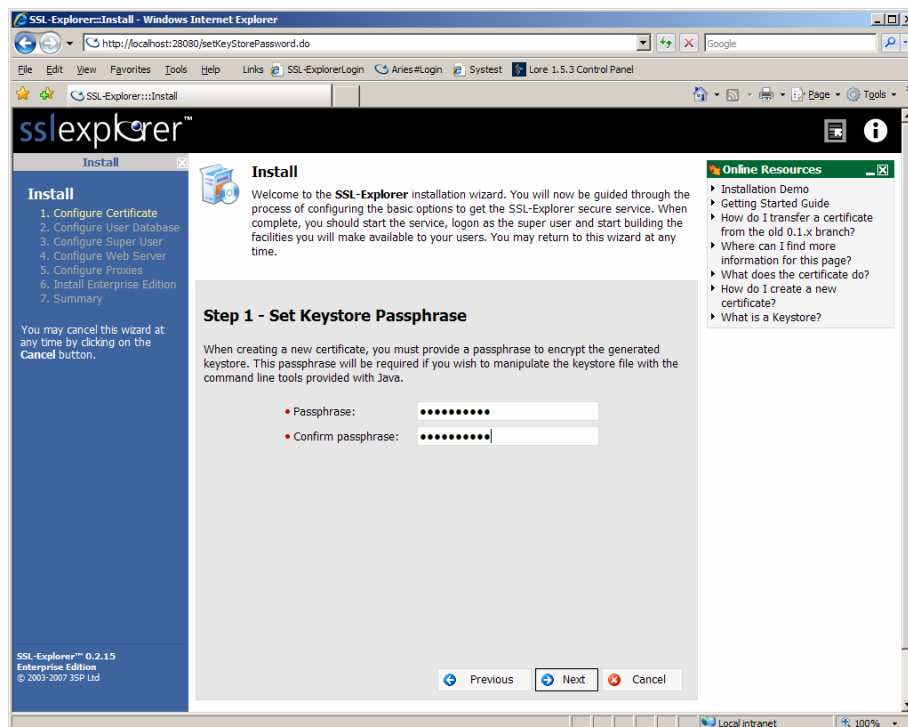
Step 4

The first part of the setup is to create an SSL Certificate for use with SSL-Explorer; in this setup a new certificate will be created. Select the Create New Certificate option and click the **Next** button.



Step 5

A passphrase will need to be set, which will be used to encrypt the generated keystore. The passphrase must be at least 6 characters, once a valid passphrase has been entered, click the **Next** button.



Step 6

Now the details that will make up our untrusted certificate need to be given. Enter the valid answers for the fields on the page and once complete click the **Next** button.

The screenshot shows the SSL-Explorer installation wizard in a Windows Internet Explorer browser window. The address bar shows <http://localhost:28080/createNewCertificate.do>. The page title is "SSL-Explorer™ Install". The left sidebar contains a list of steps: 1. Configure Certificate, 2. Configure User Database, 3. Configure Super User, 4. Configure Web Server, 5. Configure Proxies, 6. Install Enterprise Edition, and 7. Summary. The main content area is titled "Step 1 - Create New Certificate" and contains a form for generating an untrusted certificate. The form fields are: Host name (localhost), Organisational unit (Documentation), Company (3SP Ltd), City (Nottingham), State (Nottinghamshire), and Country Code (GB). At the bottom of the form are buttons for "Previous", "Next", and "Cancel".

SSL-Explorer™ 0.2.15
Enterprise Edition
© 2003-2007 3SP Ltd

Step 7

After creating the certificate, the type of user database you are going to use needs to be selected. For the purposes of this guide a Built-in database will be created with only a Super User for the time-being. Select the Built-in option and click the **Next** button.

The screenshot shows the SSL-Explorer installation wizard in a Windows Internet Explorer browser window. The address bar shows <http://localhost:28080/selectUserDatabase.do>. The page title is "SSL-Explorer™ Install". The left sidebar contains a list of steps: 1. Configure Certificate, 2. Configure User Database, 3. Configure Super User, 4. Configure Web Server, 5. Configure Proxies, 6. Install Enterprise Edition, and 7. Summary. The main content area is titled "Step 2 - Configure User Database" and contains a form for selecting the user database mechanism. The form has two radio buttons: "Active Directory" and "Built-in". The "Built-in" option is selected. At the bottom of the form are buttons for "Previous", "Next", and "Cancel".

SSL-Explorer™ 0.2.15
Enterprise Edition
© 2003-2007 3SP Ltd

Step 8

Now that a database has been selected the Super User account must be set. This is the first user so a username and password must be supplied. An email address can also be entered to make use of some of SSL-Explorers other features. After the details have been entered select **Next**.

The screenshot shows the SSL-Explorer installation wizard in a Windows Internet Explorer browser window. The address bar shows 'http://localhost:28080/configureSuperUser.do'. The page title is 'SSL-Explorer™ 0.2.15 Enterprise Edition © 2003-2007 JSP Ltd'. The left sidebar contains a list of steps: 1. Configure Certificate, 2. Configure User Database, 3. Configure Super User, 4. Configure Web Server, 5. Configure Proxies, 6. Install Enterprise Edition, 7. Summary. The main content area is titled 'Step 3 - Configure Super User'. It contains a welcome message and instructions. Below the instructions, there are input fields for Username (Super User), Email (superuser@3sp.cor), Password (masked with dots), and Confirm password (masked with dots). At the bottom, there are 'Previous', 'Next', and 'Cancel' buttons. The status bar at the bottom shows 'Local intranet' and '100%' zoom.

SSL-Explorer™ 0.2.15
Enterprise Edition
© 2003-2007 JSP Ltd

Step 3 - Configure Super User

Welcome to the **SSL-Explorer** installation wizard. You will now be guided through the process of configuring the basic options to get the SSL-Explorer secure service. When complete, you should start the service, logon as the super user and start building the facilities you will make available to your users. You may return to this wizard at any time.

SSL-Explorer has a special user known as the **Super User**. By default, this user may always logon from the localhost and is not subject to any of the usual logon constraints.

It is **strongly recommended** that you disable this user once you have completed configuring SSL-Explorer and have delegated management rights to other users.

Please select the user you wish to configure as the super user. If the underlying user database supports password changing you may also configure the password (leave field blank if you do not wish to change the password).

• Username: Super User
Email: superuser@3sp.cor
Password:
Confirm password:

Previous Next Cancel

Step 9

Next, SSL-Explorer's web server options need to be configured. For the purposes of this guide the settings will be left as default, click the **Next** button.

The screenshot shows the SSL-Explorer installation wizard in a Windows Internet Explorer browser window. The address bar shows 'http://localhost:28080/webServer.do'. The page title is 'SSL-Explorer™ 0.2.15 Enterprise Edition © 2003-2007 JSP Ltd'. The left sidebar contains a list of steps: 1. Configure Certificate, 2. Configure User Database, 3. Configure Super User, 4. Configure Web Server, 5. Configure Proxies, 6. Install Enterprise Edition, 7. Summary. The main content area is titled 'Step 4 - Configure Web Server'. It contains a welcome message and instructions. Below the instructions, there are input fields for Port (443), Listening interfaces (127.0.0.1, 192.168.255.1, 192.168.141.1, 192.168.1.159), Valid external hostnames, and Invalid hostname action (Allow connection). At the bottom, there are 'Previous', 'Next', and 'Cancel' buttons. The status bar at the bottom shows 'Local intranet' and '100%' zoom.

SSL-Explorer™ 0.2.15
Enterprise Edition
© 2003-2007 JSP Ltd

Step 4 - Configure Web Server

All clients connect to SSL-Explorer's built in HTTPS server. This page allows you to configure the basic operation of the web server.

• Port: 443

Listening interfaces: 127.0.0.1, 192.168.255.1, 192.168.141.1, 192.168.1.159

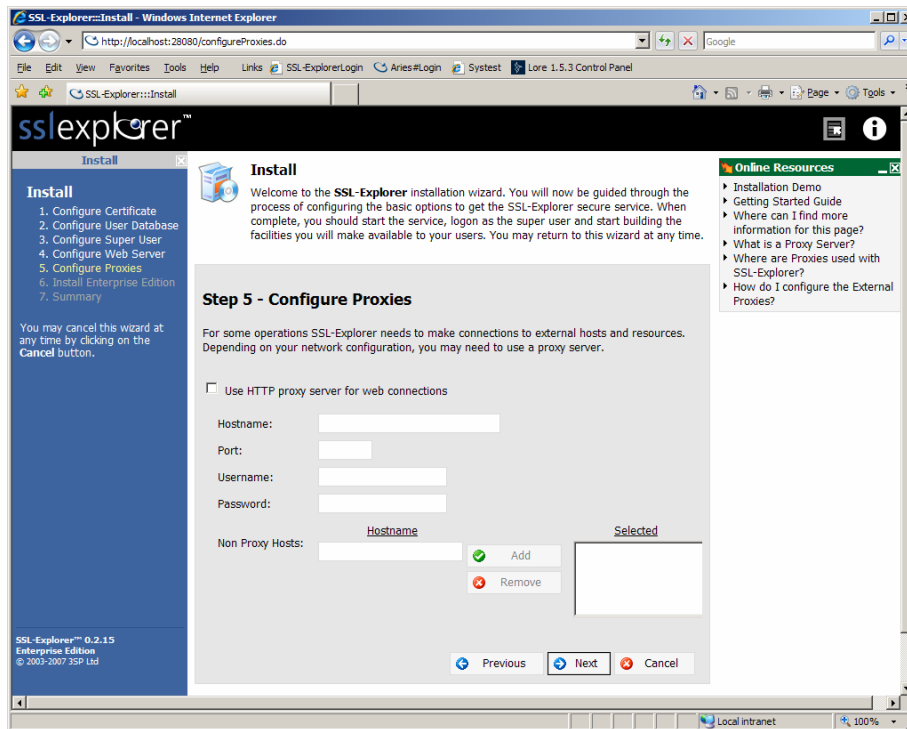
Valid external hostnames:

Invalid hostname action: Allow connection

Previous Next Cancel

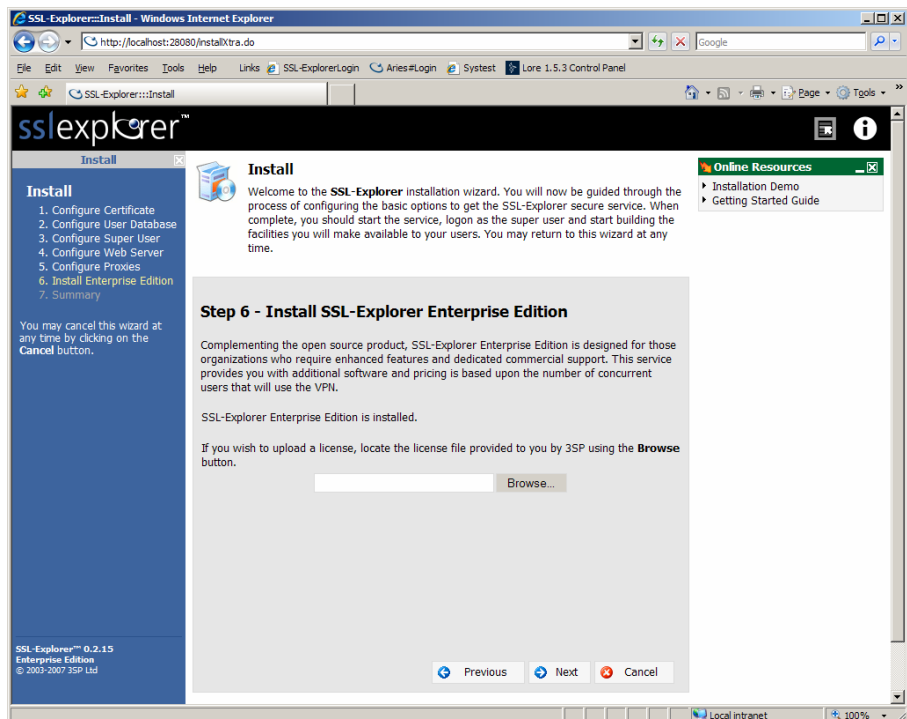
Step 10

SSL-Explorer will need to be configured to operate through any proxies that may be between SSL-Explorer and external hosts or resources. In this guide no proxies will be configured, but documentation can be found in the Administrators guide. Click the **Next** button to continue.



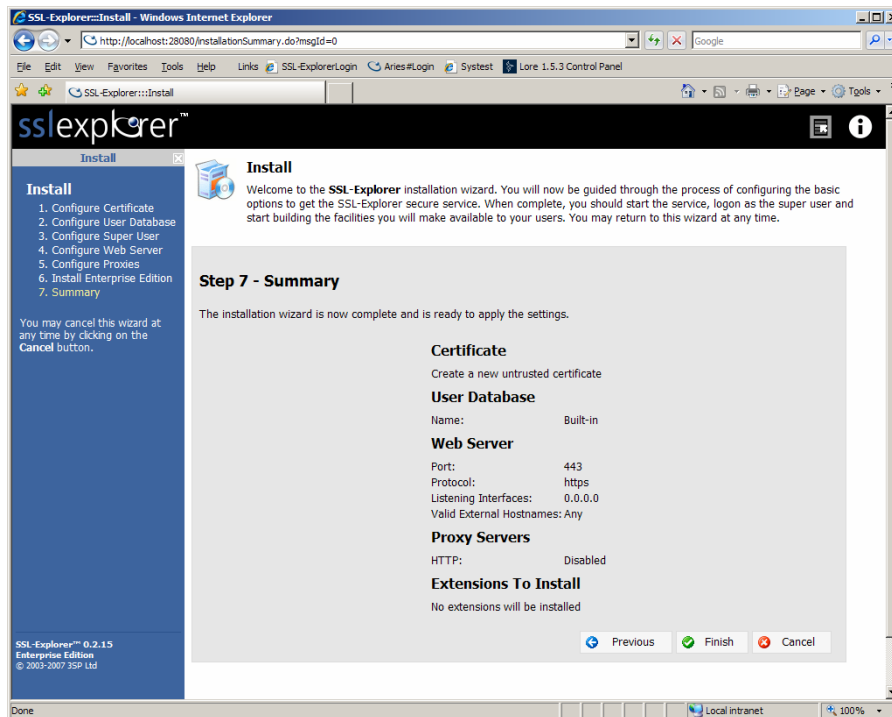
Step 11

If SSL-Explorer Enterprise Edition has been purchased, the license can be uploaded here. If no license is available at this time, for the first installation SSL-Explorer provides a free evaluation license. Contact sales@3sp.com where advice and licenses can be provided. Click **Next**.



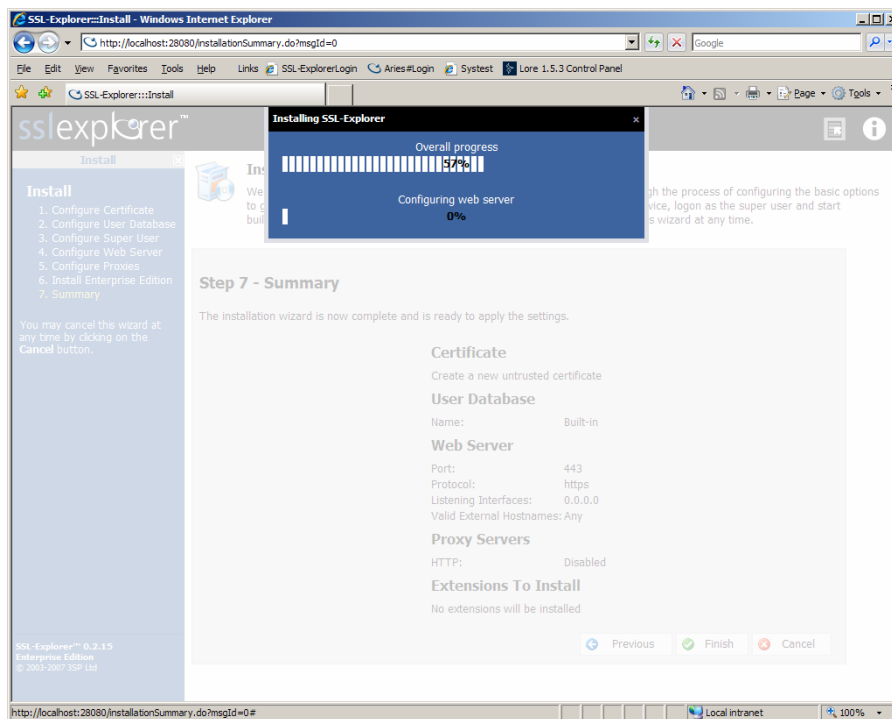
Step 12

A summary of the installation is now displayed, where there is an opportunity to review the selections and the details that have been entered. If any changes need to be made, then any of the previous pages can be returned to by clicking Previous. Click the **Finish** button.



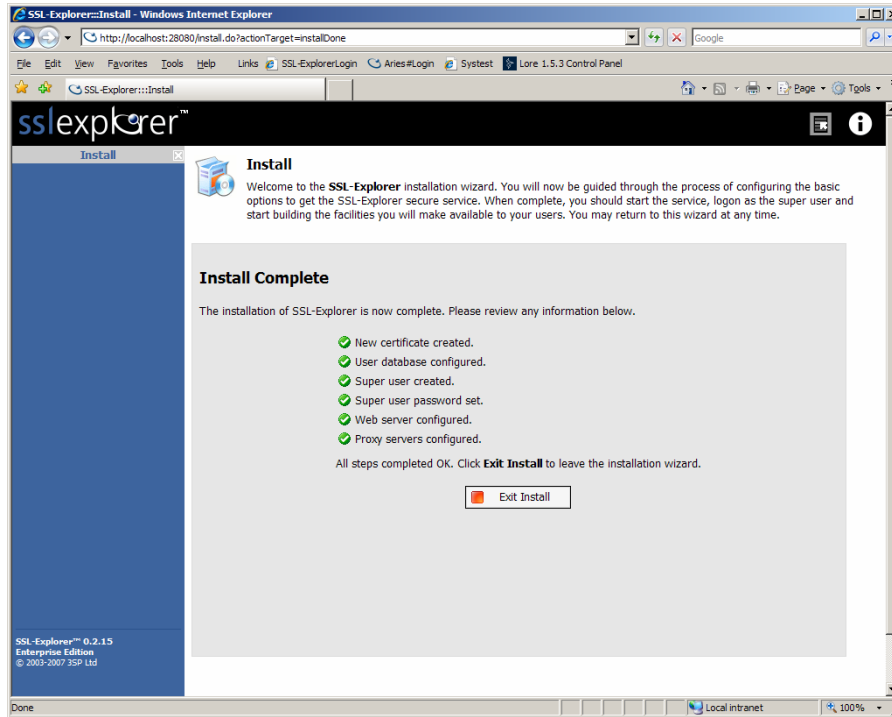
Step 13

SSL-Explorer will now process the information entered, setup the server details, and create the user database. A progress bar is also displayed advising of progress.



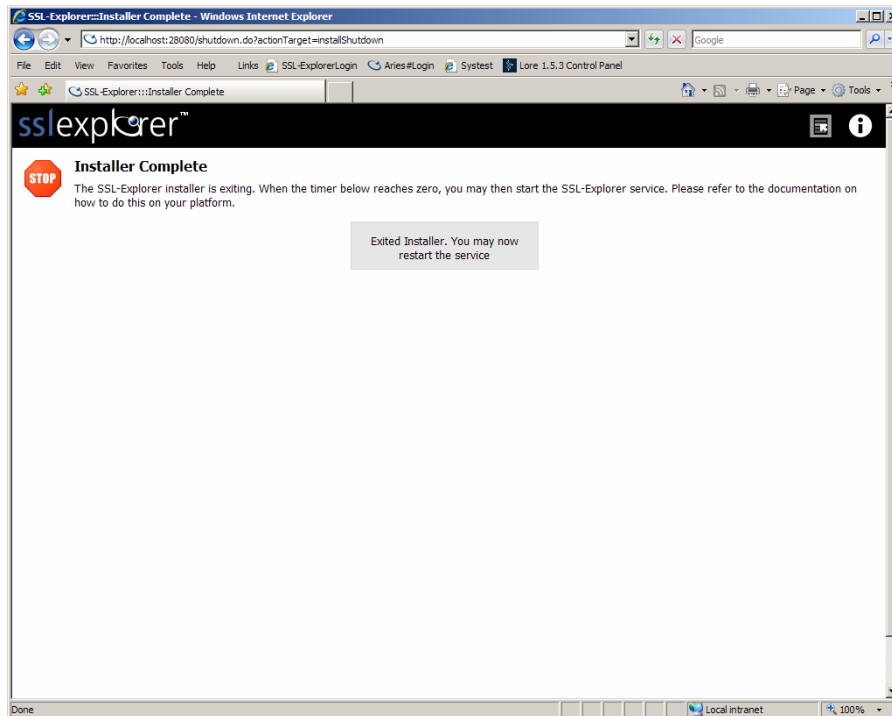
Step 14

Once all information has been processed and the server information has been configured, a final page is displayed that informs if the process was successful or if it failed. If it failed, the location and reason for the failure will be shown. If everything passes with no problems then click the **Exit Install** button.



Step 15

The Installation mode will now exit.



Step 18

The installation is complete but the service is not yet running. To start the service on a Linux installation, simply open a terminal/shell console and enter the following command:

service sslexplorer start (for Redhat based Linux)

Or

/etc/init.d/sslexplorer start (For Ubuntu/Debian based Linux)

Step 19

Now that the service has been started allow a few seconds for everything to start-up, open a browser and connect to the system using <https://servername.domain.com>.

