

Sentinel Keys Protection Installer (End User) - ReadMe

This readme provides an overview of the Sentinel™ Keys Protection Installer, its installation and information about the Sentinel Keys License Monitor.

This readme is for the protected application users (or their system administrators) who want to install the Sentinel System Driver and/or Sentinel Keys Server using the Sentinel Keys Protection Installer.

Note: Windows-based developers who wish to integrate these components in their Windows Installer-based setups should refer to the Sentinel Keys Protection Installer Help.

Product Overview

Sentinel Keys Protection Installer is an integrated installer of the Sentinel System Driver and Sentinel Keys Server.

Sentinel System Driver (version 7.3.0 or higher) is the USB device driver for communicating with the following hardware keys:

- Sentinel Key
- Sentinel Dual Hardware Key
- UltraPro Key
- SuperPro Key

For network applications, Sentinel Keys Server is also required.

Installation

This section contains details regarding the installation.

Supported Platforms

On Windows

- **Platforms supported by Sentinel System Driver**
Windows 98/ME/2000/XP/Server 2003
- **Platforms supported by Sentinel Keys Server**
Windows 2000/XP/Server 2003

Note: **Driver is WHQL certified for Windows XP/Server 2003**

The Sentinel System Driver is Microsoft Windows Hardware Quality Labs (WHQL) certified for Windows XP/Server 2003. This allows Windows Logo compliance for applications that use Sentinel USB keys.

On Linux

The following platforms are supported by the Sentinel System Driver and Sentinel Keys Server on Linux. Both run as daemon programs:

- Red Hat Enterprise Linux ES/AS version 3.0 and 4.0
- Red Hat Enterprise Linux WS/Desktop version 3.0 and 4.0
- Fedora Core 4 and 5
- SuSe 9.3 and 10.0

Installation Notes

On Which System I Should Run This Installer?

You must run this installer on the system where the Sentinel Hardware Key is to be attached. This can be a stand-alone system or a network system (wherein multiple applications in the sub-net access the hardware keys concurrently).

Note: You must have Administrator privileges (root user) in order to install this software.

For Windows

Double-click the *setup.exe* provided to launch the installer. Please follow the on-screen instructions to complete the installation.

For Linux

For installation on Linux, a script file and RPMs are provided. Run the *skpi_install.sh* script and choose your options accordingly.

Tip: You can use the *skpi_uninstall.sh* script to uninstall the program.

Installed Components

Component Name	Installation Path
Sentinel System Driver	<ul style="list-style-type: none">❑ On Windows: <OSDrive>\Program Files\Common Files\Safenet\Sentine\Sentinel System Driver❑ On Linux: /opt/safenet_sentinel/common_files/sentinel_usb_daemon
Sentinel Keys Server	<ul style="list-style-type: none">❑ On Windows: <OSDrive>\Program Files\Common Files\Safenet\Sentine\Sentinel Keys Server❑ On Linux: /opt/safenet_sentinel/common_files/sentinel_keys_server

Tip: Sentinel Keys Server installation also contains files required for canceling licenses (using Sentinel Keys License Monitor) and configuring the Sentinel Keys Server.

About the Sentinel Keys License Monitor

Sentinel Keys License Monitor shows the details of the Sentinel keys attached to a system and clients accessing them, via a Web browser. It is a convenient way to view and track the license activity and analyze application usage. You can view the following details about the keys connected to a system:

- Serial number, hardware key type, hard limit and licenses-in-use of the keys attached.
- User limit and other details of the licenses used by a key.
- Information about the clients (such as, the user name, login time, and client process ID) who have currently obtained licenses from the key.
- Cancel the current license sessions.

Prerequisites for Launching the Sentinel Keys License Monitor

Here are the specific requirements:

- Sentinel Keys Server must be running on the system where the key is attached.
- The client must have Java Runtime Environment (JRE) 1.5 or higher. The client must be running Internet Explorer version 5.0 (or higher)/ Netscape Navigator version 4.6 (or higher)/Mozilla FireFox version 1.0 (or higher).

Steps for Launching the Sentinel Keys License Monitor

1. Open the Web browser on the system.
2. In the **Address Bar**, type the name or IP address of the system (where the hardware key is attached and Sentinel Keys Server is running) in the following format:

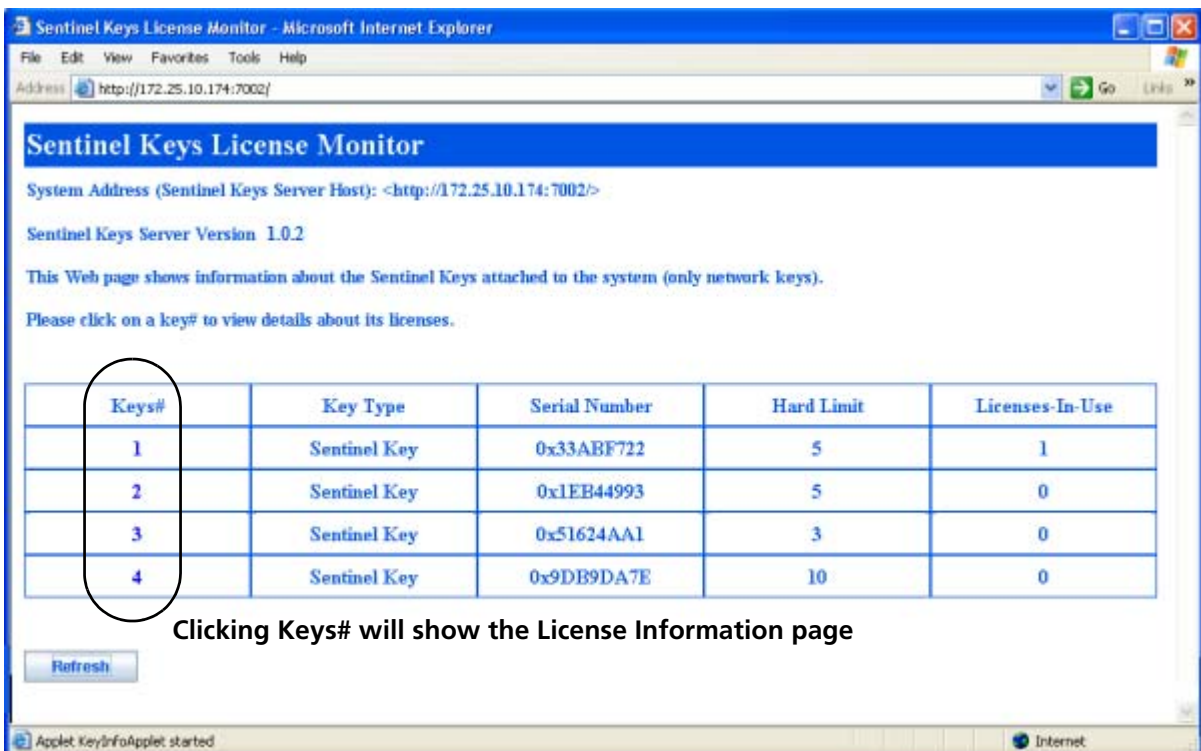
`http://IP address (or system name):HTTP port number.`

For example,

`http://198.168.100.254:7002`

3. Press the **Enter** key. The Sentinel Keys License Monitor Web page (an example is shown below) is displayed.

For details on using the Sentinel Keys License Monitor, please refer the System Administrator's Help.



Sentinel Keys License Monitor

System Address (Sentinel Keys Server Host): <http://172.25.10.174:7002/>

Sentinel Keys Server Version 1.0.2

This Web page shows information about the Sentinel Keys attached to the system (only network keys).

Please click on a key# to view details about its licenses.

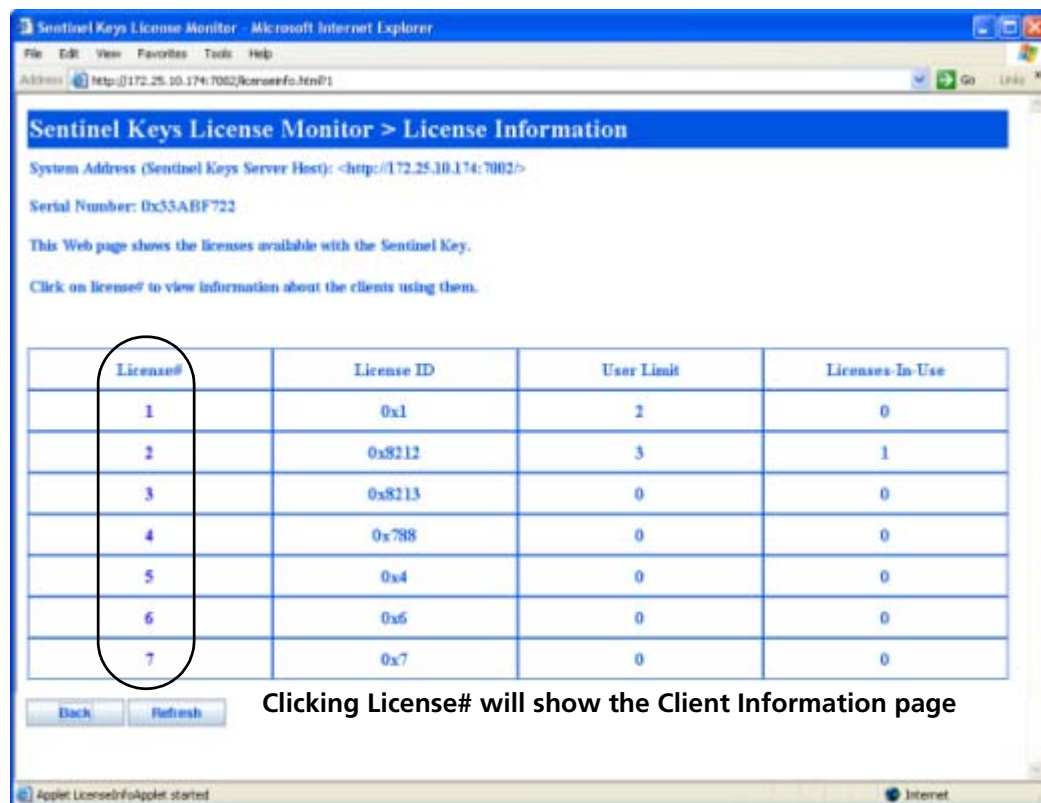
Keys#	Key Type	Serial Number	Hard Limit	Licenses-In-Use
1	Sentinel Key	0x33ABF722	5	1
2	Sentinel Key	0x1EB44993	5	0
3	Sentinel Key	0x51624AA1	3	0
4	Sentinel Key	0x9DB9DA7E	10	0

Clicking Keys# will show the License Information page

Refresh

Applet KeyInfoApplet started

Sentinel Keys License Monitor - Key Information Page



Sentinel Keys License Monitor > License Information

System Address (Sentinel Keys Server Host): <http://172.25.10.174:7002/>

Serial Number: 0x33ABF722

This Web page shows the licenses available with the Sentinel Key.

Click on license# to view information about the clients using them.

License#	License ID	User Limit	Licenses-In-Use
1	0x1	2	0
2	0x8212	3	1
3	0x8213	0	0
4	0x788	0	0
5	0x4	0	0
6	0x6	0	0
7	0x7	0	0

Clicking License# will show the Client Information page

Back Refresh

Applet LicenseInfoApplet started

Sentinel Keys License Monitor - License Information Page



Client Information Page (When the Cancel License Option is Not Available)



Client Information Page (When the Cancel License Option is Available)

Canceling a License

If desired, a system administrator can cancel the licenses issued to the clients from a Sentinel Key. This need might arise in situations when some other privileged client needs a license or an application terminates without releasing the license acquired.

Please follow the steps given below to cancel the licenses in the Sentinel Keys License Monitor:

1. On the system where Sentinel Keys Server is installed, run the Password Generation utility to generate the *sntlpass.dat* file. It is available at the following path:
 - ❑ **For Windows:** <OS drive>\Program Files\Common Files\SafeNet Sentinel\Sentinel Keys Server
 - ❑ **For Linux:** /opt/safenet_sentinel/common_files/sentinel_keys_server

Note: Do remember the password; it will be required for authenticating the cancel license request (see step 7).

2. Restart the Sentinel Keys Server.
3. Launch the Sentinel Keys License Monitor. The main page (key information) will appear.
4. Select the Sentinel Key whose licenses are to be canceled. The license information page will appear.
5. Select the license #. The client information page will appear.
6. Select the **Cancel** check box(es) for the licenses to be canceled. You can cancel up to 10 licenses at a time.
7. Click the **Cancel License Session** button given at the bottom of the page. A dialog box will appear prompting you to provide the same password specified in step 1.
8. Click **OK**. Verify for the license(s) canceled.

Note: The Sentinel Keys License Monitor will not prompt you for any errors encountered while canceling a license. However, a license will not be canceled if there is excessive traffic in the network or you specified a wrong password in step 7.

Getting Help

If you have questions, need additional assistance, or encounter a problem, please contact your software provider.

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