

Sentinel Cloud Services

Installation Guide

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1.1. About This Document

This document provides installation information about *Sentinel® Cloud Services*.

1.2. Sentinel Cloud Services Media Contents

This section lists the contents of the media provided to a software provider.

Directory/File	Contents
Windows	
<i>Sentinel Cloud Runtime.exe</i>	Installer for installing SDK components of <i>Sentinel Cloud Services</i> on Windows. This is a common installer for all the supported interfaces - Java, .NET, and C. For information of SDK components installed by installer, See " Installed Components " on page 2.
Manuals	Contains product acknowledgments.
<i>Installation Guide.pdf</i>	This document containing installation instructions.
Linux	
<i>Sentinel Cloud Services (Linux).tar</i>	Contains all the required components for deploying C and Java Run-times on Linux.

Sentinel Cloud Services installer supports Unicode character encoding.

1.3. Installing Sentinel Cloud Services on Windows

1.3.1. Specific Requirements

Given below are the requirements you need to ensure before installing *Sentinel Cloud Services*.

- JRE 6 should be installed on the system where you want to install *Sentinel Cloud Services* Java SDK. You can download JRE from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>.
- You should have complete read and write permissions on the directory where you want to install Sentinel Cloud Run-time.

1.3.2. Installation

A common setup for Java, .NET, and C SDK is available in the *Sentinel Cloud Services* media, by the name *Sentinel Cloud Runtime.exe*. Double-click the setup to launch a self-extracting installer. Follow the on-screen instructions to complete the installation.

On Windows 7 and Windows Server 2008, you need to run installer as Administrator.

Installation Notes

- The default installation directory for *Sentinel Cloud Services Run-time* is:
 - **On 32-bit system:** *C:\Program Files\SafeNet Sentinel\Sentinel Cloud Services*
 - **On 64-bit system:** *C:\Program Files (x86)\SafeNet Sentinel\Sentinel Cloud Services*

You can specify a different directory during the installation.

- On Windows, you can access *Sentinel Cloud Services* by using **Start > All Programs > SafeNet Sentinel > Sentinel Cloud Services**.

1.3.3. Installed Components

The directory structure of the installed components is described below:

Directory	Contents
Configurations	Stores client configuration file (<i>SentinelCloudRuntime.properties</i>) that contains Run-time configuration settings for all supported interfaces.
Documentation	Contains product acknowledgments.
Redistributables	Contains redistributable components, such as customized License Manager Server by the name <i>haspdinst.exe</i> . A software provider can distribute these components to customers for on-premise deployments.
RunTimes	Contains jars or library files
<i>\C SDK</i>	<ul style="list-style-type: none"> ■ <i>\include</i>: Contains the header files. ■ <i>\Win32</i>: Contains C Run-time and third-party libraries for Windows 32-bit platform. ■ <i>\Win64</i>: Contains C Run-time and third-party libraries for Windows 64-bit platform.
<i>\Dot Net SDK</i>	<ul style="list-style-type: none"> ■ <i>\Library</i>: Contains the main library of Cloud Run-time. ■ <i>\External Libraries</i>: Contains the third party libraries and XML based configuration file.
<i>\Java SDK</i>	<ul style="list-style-type: none"> ■ <i>\Jars</i>: Contains jar files and property file. ■ <i>\Third party libraries</i>: Contains the third party jar files.
Samples	Contains API samples for cloud and on-premise deployments.
<i>\Cloud Connect WebServices</i>	Contains Python sample for Cloud Connect Web services.
<i>\Runtime</i>	<ul style="list-style-type: none"> ■ <i>\C</i>: Contains C source code and workspace of cloud and on-premise samples. ■ <i>\Dot Net</i>: Stores .NET source code of cloud and on-premise samples. ■ <i>\Java</i>: Stores Java source code of cloud and on-premise samples.
<i>\Utilities</i>	Contains .NET utilities for extraction and management of machine fingerprint.
XML Schema	Stores the XML schema for Cloud Connect Web services.

1.3.4. Installing Sentinel Cloud Run-time at Customer's Site (Windows)

The on-premise Run-time environment is required for your protected software to run at the customer's site. The components required to install on-premise Run-time environment are available in the `\Redistributables` folder. To install the on-premise Run-time environment:

Open command prompt, navigate to the Redistributables directory, and run the following command: `haspdinst.exe -i`

1.4. Installing Sentinel Cloud Services on Linux

1.4.1. Installation

Extract the *Sentinel Cloud Services (Linux).tar* package to a location on your system, by using the following command:

```
tar -xvf Sentinel Cloud Services(Linux).tar
```

1.4.2. Extracted Components

The directory structure of the extracted components is described below:

Directory	Contents
Configurations	Stores client configuration file (<i>SentinelCloudRuntime.properties</i>) that contains Run-time configuration settings for all supported interfaces.
Documentation	Contains product acknowledgments.
Redistributables	Contains redistributable components, such as customized License Manager Server. A software provider can distribute these components to customers for on-premise deployments.
RunTimes	Contains jars or library files.
<i>/C SDK</i>	<ul style="list-style-type: none"> ■ <i>/include</i>: Contains the header files. ■ <i>/32-bit</i>: Contains C Run-time libraries and third-party libraries for Linux 32-bit platform. ■ <i>/64-bit</i>: Contains C Run-time libraries and third-party libraries for Linux 64-bit platform.
<i>/Java SDK</i>	<ul style="list-style-type: none"> ■ <i>/Jars</i>: Contains jar files, property file, and DLLs. ■ <i>/Third party libraries</i>: Contains the third party jar files.
Samples	Contains API samples for cloud and on-premise deployments.
<i>/Cloud Connect WebServices</i>	Contains Python sample for Cloud Connect Web services.
<i>/Runtime</i>	<ul style="list-style-type: none"> ■ <i>/C</i>: Contains C source code and workspace of cloud and on-premise samples. ■ <i>/Java</i>: Contains the Java source code of cloud and on-premise samples.
XML Schema	Stores the XML schema for Cloud Connect Web services.

1.4.3. Installing Sentinel Cloud Run-time at Customer's Site (Linux)

The on-premise Run-time environment is required for your protected software to run at the customer's site. The components required to install on-premise Run-time environment are available in the */Redistributables* folder.

In addition, on Windows 7 and Windows 2008, you must have administrative privileges to perform the installation.

To install the on-premise Run-time environment:

Open command prompt, navigate to the *Redistributables* directory, and run the following command:

```
rpm -Uvh aksusbd-2.2.2.i386.rpm
```

To install and operate the Sentinel Cloud Run-time package under a 64-bit Linux operating system, you must also install the 32-bit base library package (x86 compatibility packages):

- glibc-2.12-1.47.el6.i686.rpm
- nss-softokn-freebl-3.12.9-11.el6.i686.rpm

1.5. Uninstalling Sentinel Cloud Services

To uninstall *Sentinel Cloud Services* on Windows, select **Start > All Programs > SafeNet Sentinel > Sentinel Cloud Services > Uninstall SentinelCloudRuntime**.

1.6. Contacting Technical Support

You can contact us using any of the following options:

- **Business Contacts** - To find the nearest office or distributor, use the following URL: <https://sentinel.gemalto.com/contact-us-sm/>
- **Technical Support** - To obtain assistance in using Gemalto Sentinel Products, feel free to contact our Technical Support team:
 - Phone: 800-545-6608 (US toll free), +1-410-931-7520 (International)
 - Regional Support Contact Information: <https://sentinel.gemalto.com/technical-support-sm/>
 - E-mail: support@safenet-inc.com
 - URL: <https://sentinel.gemalto.com/technical-support-sm/>
- **Downloads** - You may want to explore updated installers and other components here: <https://sentinel.gemalto.com/technical-support-sm/>