

Sentinel RMS SDK v9.7.2

RELEASE NOTES FOR WINDOWS (32-BIT AND 64-BIT)

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Contents

Product Description	2
About This Document	2
What's New in this Release	2
Sentinel Cloud Plug-in (SCP) Configuration Using APIs	2
Terminate User Session (TUS) Functionality Enhanced for All Administrator Accounts	2
Documentation-Related Information	2
Issues Fixed in this Release	3
System Requirements	4
Installation Information	6
Installation Instructions	6
Installed Directories	7
Sentinel RMS Documentation Resources	8
Support Contacts	9

Product Description

Sentinel RMS is a software licensing SDK for your applications. It increases revenue by authorizing the use of your applications and offers a variety of licensing schemes to boost your product sales. It also provides tools that system administrators can use to track and manage licenses in a network.

Sentinel Cloud Licensing (SCL) add-on for RMS combined with the license enforcement features of Sentinel RMS and the entitlement management features of Sentinel EMS; makes a complete solution that provides the benefits of cloud-connected licensing to applications deployed on-premises or hosted online. Usage collection and reporting is the most significant advantage obtained with cloud-connected licensing.

About This Document

This document contains details about the new features, enhancements, and installation of v9.7.2 Sentinel RMS. The last major release was Sentinel RMS v9.7.0.

What's New in this Release

This section lists down the new features included in Sentinel RMS v9.7.2 release.

Sentinel Cloud Plug-in (SCP) Configuration Using APIs

You can now configure SCP using the client-side APIs in the standalone lease deployments. Prior to this release, only the SCP configuration file could be used for configuring SCP. Now, you can integrate SCP configuration APIs into your licensed application and allow SCP configuration by the customers directly.

For details about this feature, refer to the topic "Configuring Sentinel Cloud Plug-in (SCP)" in the [Sentinel RMS Developer Guide](#).

Terminate User Session (TUS) Functionality Enhanced for All Administrator Accounts

All Administrator users can now perform the TUS actions on the License Manager host machine. Earlier, only the administrator who started the License Manager could terminate users using the TUS functionality.

Documentation-Related Information

PDF Format of the API Reference Guide Removed from the SDK

From v9.7.2 onward, the Sentinel RMS SDK does not contain the PDF format of the API Reference Guide. Use the [online API Reference Guide](#) for up-to-date and web browser-based documentation.

Issues Fixed in this Release

The following issues have been corrected in this release.

Internal Tracking ID	Description
SM-80094	WlmAdmin displayed inconsistent behavior in the IP address field.
SM-79769	Unable to create lservrlf in directory that has a hash tag.
SM-83287	Exception from a Sentinel RMS-licensed application.
SM-87179	Incorrect display of WlmAdmin and Wcommute even at recommended display settings.
SM-84166	Memory leak when initializing license with wireless network turned off.

System Requirements

The following table provides the minimum hardware and software requirements for Sentinel RMS.

Hardware Requirements	Software Requirements	
<p>Processors</p> <ul style="list-style-type: none"> > x86 processors for 32-bit > x86-64 processor for 64-bit 	<p>Operating System (32-bit)</p> <ul style="list-style-type: none"> > Windows 7 > Windows 8.1 > Windows 10 v1909 > Windows Server 2008 	<p>Operating System (64-bit)</p> <ul style="list-style-type: none"> > Windows 7 > Windows 8.1 > Windows 10 v1909 > Windows Server 2008 > Windows Server 2008 R2 > Windows Server 2012 > Windows Server 2012 R2 > Windows Server 2016 > Windows Server 2019
<p>Hard Disk (Minimum)</p> <p>Approximately 1 GB free hard disk space is required to install Sentinel RMS.</p>	<p>Microsoft Visual Studio Version</p> <ul style="list-style-type: none"> > Visual Studio 2010 Professional edition v10.0.30319.1 RTM (32-bit and 64-bit) > Visual Studio 2012 Professional edition v11.0.60610.01 update 3 (32-bit and 64-bit) > Visual Studio 2013 Professional edition > Visual Studio 2015 Professional edition v14.0.25431.01 update 3 > Visual Studio 2017 Professional edition > Visual Studio 2019 Professional edition 	

Hardware Requirements		Software Requirements
RAM (Minimum)	RAM (Minimum)	Java Development Kit (JDK) Java SE 7, Java SE 8 Web Browser (for viewing HTML Help) <ul style="list-style-type: none"> > Microsoft Internet Explorer > Mozilla Firefox > Google Chrome PDF File Viewer (for viewing PDF documents) Adobe Acrobat
Operating System (32-bit)	Operating System (64-bit)	
Windows 7 (1 GB)	Windows 7 (2 GB)	
Windows 8.1 (1 GB)	Windows 8.1 (2 GB)	
Windows 10 v1909 (1 GB)	Windows 10 v1909 (2 GB)	
Windows Server 2008 (2 GB)	Windows Server 2008 (2 GB)	
	Windows Server 2008 R2 (2 GB)	
	Windows Server 2012 (2 GB)	
	Windows Server 2012 R2 (2 GB)	
	Windows Server 2016 (2 GB)	
	Windows Server 2019 (2 GB)	

Installation Information

This section contains important information related to the installation of Sentinel RMS v9.7.2.

Before installing the Sentinel RMS SDK, you must have the following:

- > **Administrator Privileges:** Administrator privileges are required to successfully install all the components.
- > **Sentinel RMS SDK Serial Number:** A valid serial number. The installer prompts you to enter the serial number provided to you.

Installation Instructions

1. Double-click *StartHere.exe* from the root of the installation media. The Start Here screen appears.
2. Click **Install** under Sentinel RMS Development Kit 9.7.2 Software. The Welcome screen appears.

NOTE If you are installing the RMS SDK using the steps described here, you need not click the **Install** option under Sentinel RMS License Manager Installer. This option is for only installing the Sentinel RMS License Manager, which is automatically installed as a part of the SDK on your system.

3. Click **Next**. A screen showing the license agreement appears.
4. To proceed, accept the license agreement and click **Next**.
5. In the Customer Information dialog box, type your name, organization name, and the RMS SDK serial number. This serial number is contained in the Sentinel RMS Order Credentials e-mail and is unique for each vendor.
6. You may modify the SDK installation directory. The default installation directory is:
 - On 32-bit machines - <OSdrive>:\Program Files\SafeNet Sentinel\Sentinel RMS Development Kit\<version>\
 - On 64-bit machines - <OSdrive>:\Program Files (x86)\SafeNet Sentinel\Sentinel RMS Development Kit\<version>\
7. Select the **Complete** or **Custom** installation option.

NOTE The Custom installation option for the RMS SDK cannot be used on non-English operating systems.

8. You are prompted for modifying the system firewall settings. Choose between the following options:
 - Select the check box to allow communication with the License Manager. This setting adds the License Manager to your system firewall's exceptions list.
 - Clear the check box to block communication with the License Manager (not recommended).
9. Follow the on-screen instructions to finish the installation.

Installed Directories

The following directories and files are installed.

Directory	Description
Development	Contains all the RMS libraries, header files, XSDs and source code for licensing and customization.
Manuals	Contains the various documentation items for Sentinel RMS.
Redistributable	Contains the utilities and files for your customers, including the Sentinel RMS License Manager installer.
Samples	Contains the sample programs for demonstrating the use of various RMS features and API.
VendorTools	Contains the utilities and files for your use. <div style="border-left: 2px solid #c00040; padding-left: 10px; margin-top: 10px;">NOTE The license generator is no longer included with the SDK. The order e-mail contains a link that enables you to download the license generator.</div>
install.rbo	Contains information about Sentinel RMS SDK version and serial number.
ReleaseNotes	This file.

Sentinel RMS Documentation Resources

The following are the major documentation resources for the product. The latest documentation resources are also listed [here](#):

Sentinel EMS and Sentinel RMS Solution Guide

This guide provides the complete overview of the Software Monetization solution. You can use this guide to prepare a comprehensive monetization strategy prior to integrating licensing technology with your software and business processes.

- > To view the online version of the latest document, [click here](#).

Sentinel Cloud Licensing (SCL) Add-on Installation and Configuration Guide

This guide describes the procedure for installing and configuring SCP for Cloud-Served Lease and On-premises deployment modes, respectively. This is applicable to Windows, Linux, Mac, Android, and Linux ARM operating systems. Additionally, it describes the components included in the SCP package for serving Cloud-Connected deployments.

- > To view the online version of the latest document, [click here](#).

Sentinel RMS Developer Guide

This guide contains the complete product overview, the necessary information for licensing and distributing the applications. Useful for developers planning and implementing licensing. To access, use the following ways:

- > To view the online version of the latest document, [click here](#).

Sentinel RMS API Reference Guide

This guide contains details about all the API functions, including the licensing library, system initialization, and so on. Useful for developers integrating the API functions in the code. To access, use the following ways:

- > To view the online version of the latest document, [click here](#).

Sentinel RMS System Administrator Guide

This guide contains details about using the system administration and License Manager configuration options. Useful for the System Administrator of the end user (on the customer site). To access, use the following ways:

- > The HTML version installed on the system can be accessed using the Doc Access Page (.htm) in the Manuals directory.
- > To view the online version of the latest document, [click here](#).

Support Contacts

You can contact us using any of the following options:

Business Contacts

To find the nearest office or distributor, go to: <https://cpl.thalesgroup.com/software-monetization/contact-us>

Support

To obtain assistance in using Sentinel products (<https://cpl.thalesgroup.com/software-monetization/all-products>), feel free to contact our Thales Support team:

> **Customer Support Portal (Preferred)**

- <https://supportportal.thalesgroup.com/csm?id=sentinel>

> **Support Essentials (Contact details, support plans, and policies):**

- https://supportportal.thalesgroup.com/csm?id=support_essentials

> **For Issues Related to Using the Portal:**

- portal.support.DIS@thalesgroup.com

> **Phone:**

- AMER: 800-545-6608 (US toll free)
- International: +1-410-931-7520
- EMEA / APAC: <https://supportportal.thalesgroup.com/csm?id=sentinel>

Downloads

You can download installers and other updated components from: <https://cpl.thalesgroup.com/software-monetization/sentinel-drivers>