

# Sentinel RMS SDK v10.1.100

## RELEASE NOTES FOR WINDOWS (64-BIT)

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## Contents

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Product Description .....	2
About This Document .....	2
What's New in this Release .....	3
Introduced Session Management REST APIs for Connected (Cloud LM) Mode .....	3
Issues Fixed in this Release .....	4
System Requirements .....	5
Installation Information .....	7
Installation Instructions .....	7
Installed Directories .....	8
Sentinel RMS Documentation Resources .....	9

# Product Description

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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 licensing to applications deployed on-premises or hosted online. Usage collection and reporting is the most-significant advantage obtained with cloud-basedlicensing.

## About This Document

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This document contains details about the new features, enhancements, and installation of v10.1.100 Sentinel RMS. The last major release was Sentinel RMS v10.0.

# What's New in this Release

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This section lists the changes included in the Sentinel RMS v10.1.100 release.

## Introduced Session Management REST APIs for Connected (Cloud LM) Mode

In this release, session management REST APIs are introduced for the RMS Cloud LM deployment mode. Prior to this release, session management for RMS Cloud LM clients could be performed using the Sentinel EMS Customer Portal only. Using these APIs, vendors can provide integrated workflow for monitoring and terminating sessions.

**NOTE** The session management APIs are available for the [Contact Administrator](#) user only.

The REST APIs introduced are:

REST API	Description
GET /rmslm/licenseSessions	Enumerates the active license sessions on RMS Cloud LM.
POST /rmslm/licenseSessions/terminate	Terminates all the active RMS Cloud LM sessions associated with a machine or user.
POST /rmslm/licenseSessions/{licenseSessionId}/terminate	Terminates a single RMS Cloud LM session based on the session ID.

You can use [Sentinel EMS Swagger](#) to evaluate the Session Management REST APIs.

## Issues Fixed in this Release

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The following issues have been corrected in this release.

Tracking ID (Service Request / Internal ID)	Issue Description
SM-140856 / SM-141521	SCP in a vulnerability scan with "Microsoft Windows Unquoted Service Path."
SM-141688 / SM-142783	Updated the versions of OpenSSL, SQLite, and cURL to their latest version. Refer to the <a href="#">API Reference Guide</a> for a list of Open Source Software used in this release.
SM-131513 / SM-133683	Handling of corruption after BSOD on Windows.
SM-133481 / SM-141770	The SCP-integrated library crashed for a device running on https://localhost:443.
SM-138456 / SM-138562	SCP service created massive log file when YPS is down.
SM-141919 and SM-142019 / SM-142229	SCP service is not running in offline mode through configuration file.
SM-136148 / SM-137778	Usage data lost in an automatic refresh call prior to the 80% of lifetime is reached.
SM-143369 / SM-142171	CustomEx callback failed to execute on non-Windows when the application was build using .NET Core.

# System Requirements

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

Hardware Requirements	Software Requirements
<p><b>Processors</b></p> <ul style="list-style-type: none"><li>&gt; x86 processors for 32-bit</li><li>&gt; x86-64 processor for 64-bit</li></ul>	<p><b>Operating System (32-bit and 64-bit)</b></p> <ul style="list-style-type: none"><li>&gt; Windows 10 22H2</li><li>&gt; Windows 11 22H2</li><li>&gt; Windows Server 2012</li><li>&gt; Windows Server 2012 R2</li><li>&gt; Windows Server 2016</li><li>&gt; Windows Server 2019</li><li>&gt; Windows Server 2022</li></ul> <p><b>Display Settings</b></p> <p>Preferred display settings are:</p> <ul style="list-style-type: none"><li>&gt; Screen resolution is 1920 x 1080</li><li>&gt; Display scaling 100 / 125%</li></ul>
<p><b>Hard Disk (Minimum)</b></p> <p>As per the operating systems' specification.</p>	<p><b>Microsoft Visual Studio Version</b></p> <ul style="list-style-type: none"><li>&gt; Visual Studio 2012 Professional edition v11.0.60610.01 update 3 (32-bit and 64-bit)</li><li>&gt; Visual Studio 2013 Professional edition</li><li>&gt; Visual Studio 2015 Professional edition v14.0.25431.01 update 3</li><li>&gt; Visual Studio 2017 Professional edition</li><li>&gt; Visual Studio 2019 Professional edition</li><li>&gt; Visual Studio 2022 Professional edition</li></ul>

Hardware Requirements	Software Requirements
<p><b>RAM Requirement</b> As per the operating systems' specification.</p>	<p><b>Java Development Kit (JDK)</b> Java SE 8 (minimum supported version)</p> <p><b>.NET</b></p> <ul style="list-style-type: none"> <li>&gt; .NET Framework 4.7.2</li> <li>&gt; .NET Core 5.0, 6.0 and 7.0</li> </ul> <p><b>Web Browser (for viewing HTML Help)</b></p> <ul style="list-style-type: none"> <li>&gt; Microsoft Internet Explorer 11 and newer</li> <li>&gt; Mozilla Firefox</li> <li>&gt; Google Chrome</li> <li>&gt; Microsoft Edge</li> </ul> <p><b>PDF File Viewer (for viewing PDF documents)</b> Adobe Acrobat</p>

# Installation Information

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This section contains important information related to the installation of Sentinel RMS v10.1.100.

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 10.1.100 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 email 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\Thales\Sentinel RMS Development Kit\<version>\`
  - On 64-bit machines - `<OSdrive>:\Program Files (x86)\Thales\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

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The following directories and files are installed.

Directory	Description
<b>Development</b>	Contains all the RMS libraries, header files, XSDs and source code for licensing and customization.
<b>Manuals</b>	Contains the various documentation items for Sentinel RMS.
<b>Redistributable</b>	Contains the utilities and files for your customers, including the Sentinel RMS License Manager installer.
<b>Samples</b>	Contains the sample programs for demonstrating the use of various RMS features and API.
<b>VendorTools</b>	Contains the utilities and files for your use. <div style="border: 1px solid #00a0e3; padding: 5px; margin-top: 10px;"><b>NOTE</b> The license generator is no longer included with the SDK. The order email contains a link that enables you to download the license generator.</div>
<b>install.rbo</b>	Contains information about Sentinel RMS SDK version and serial number.
<b>ReleaseNotes</b>	This file.
<b>Legacy</b>	Contains deprecated RMS libraries, samples, and utilities.



# Sentinel RMS Documentation Resources

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

## Sentinel Software and Services Solutions 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 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 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, persistence management, and so on. Useful for developers integrating the API functions in the code.

- > 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](#).

## 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](#).