

# Sentinel RMS SDK 10.1.100

## RELEASE NOTES FOR MAC (64-BIT)

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# 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 10.1.100 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 10.1.100 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.

## Support Removed for 32-bit Components

Support for Sentinel RMS 32-bit libraries and tools is removed from macOS now. Only 64-bit components are supported now onward.

## 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-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-133481 / SM-141770	The SCP-integrated library crashed for a device running on <a href="https://localhost:443">https://localhost:443</a> .
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 using Sentinel RMS.

## Intel-based System

Hardware Requirements	Software Requirements
<b>Processor:</b> Intel x86_64	<b>Operating Systems:</b> <ul style="list-style-type: none"><li>&gt; macOS 11.2 Big Sur</li><li>&gt; macOS 12.2 Monterey</li><li>&gt; macOS 13.0 Ventura</li></ul>
<b>Hard Disk Space:</b> As per the operating systems' specification.	<b>Compilers:</b> Apple LLVM version 7.0.2 (clang-700.1.81)
<b>RAM Requirement:</b> As per the operating systems' specification.	<b>Java Development Kit (JDK):</b> <ul style="list-style-type: none"><li>&gt; Java SE 8 (minimum supported version)</li></ul>

## Apple Silicon-based System

Hardware Requirements	Software Requirements
<b>Processor:</b> ARM64	<b>Operating Systems:</b> <ul style="list-style-type: none"><li>&gt; macOS 11.2 Big Sur</li><li>&gt; macOS 12.2 Monterey</li><li>&gt; macOS 13.0 Ventura</li></ul>
<b>Hard Disk Space:</b> As per the operating systems' specification.	<b>Compilers:</b> Apple clang version 12.0.0 (clang-1200.0.32.29)
<b>RAM Requirement:</b> As per the operating systems' specification.	<b>Java Development Kit (JDK):</b> <ul style="list-style-type: none"><li>&gt; Java SE 17 (minimum supported version)</li></ul>

**NOTE** The macOS 64-bit binaries are now universal binaries and support both ARM 64 and Intel 64 applications.

# Installation Information

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This section contains important information related to the installation of Sentinel RMS 10.1.100.

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. The software is packed in a .zip archive that contains notarized binaries. Extract files from the archive as follows:

```
$unzip -a RMSSDKxx.x.xxx.xxMac.zip
```

2. Navigate to 'slm\_XX.X.XXX\_mac\_combo\_cdrom' directory, then type `sh INSTALL.sh` to start the installation.
3. Accept the license agreement to proceed with the installation.
4. Enter the path of the installation directory.

**NOTE** It is recommended NOT to install two non-Windows RMS SDKs in the same directory.

5. You will be required to specify 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 will be required to choose whether you want to allow the License Manager to start automatically on system reboot. If you allow this configuration, you will be required to reboot. However, if you do not allow this configuration, you will need to manually start the License Manager (from the `/redistributable/licenseManager` directory) each time you reboot the system.

The Sentinel RMS SDK provides notarized binaries, however, for the following components re-notarization is required.

> [Shared Libraries for Mac](#)

> [Utilities for Mac](#)

For more information about Sentinel RMS Support for Mac Notarization, refer to the [Sentinel RMS Developer Guide](#).

## Installed Directories

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The following directories and files are installed.

Directory or File	Description
<b>development</b>	Contains all the RMS libraries, header files, and source code for licensing and customization purpose.
<b>manuals</b>	Documentation for the Sentinel RMS SDK.
<b>redistributable</b>	The utilities and files for your customers, including the Sentinel RMS License Manager installer.
<b>samples</b>	Contains sample programs for demonstrating the use of various RMS features and APIs.
<b>vendorTools</b>	Contains the utilities and files for your use.
<b>install.rbo</b>	Contains information about Sentinel RMS SDK version and serial number.
<b>ReleaseNotes.pdf</b>	This file.

# 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](#).