

# Sentinel RMS SDK v9.7.2

## RELEASE NOTES FOR ANDROID ON ARM (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-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

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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

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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](#).

### 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

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The following issues have been corrected in this release.

Internal Tracking ID	Description
SM-84166	Memory leak when initializing license with wireless network turned off.
SM-83074	For standalone deployments, Sentinel Cloud Plug-in (SCP) is enhanced to delete existing licenses before renewing the lease.
SM-75595	Trace logs generated for RMS v9.6.2 had missing information related to some APIs.

# System Requirements

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

## Build Environment Recommendations

Hardware Requirements	Software Requirements
<b>Processors:</b> x86-64 processors for 64-bit	<b>Operating Systems:</b> <ul style="list-style-type: none"><li>&gt; Red Hat Enterprise Linux (RHEL) 7.x</li><li>&gt; Red Hat Enterprise Linux (RHEL) 8.x</li><li>&gt; Debian Linux 9.x</li><li>&gt; Debian Linux 10.x</li><li>&gt; Ubuntu Linux 16.04</li><li>&gt; Ubuntu Linux 18.04</li></ul>
<b>Hard Disk (Minimum)</b> 500 MB of free hard disk space	<b>Compiler:</b> Clang (64-bit): 3.5
<b>RAM (Minimum)</b> <ul style="list-style-type: none"><li>&gt; 4 GB capacity for:<ul style="list-style-type: none"><li>• Red Hat Enterprise Linux (RHEL) 8.x</li></ul></li><li>&gt; 2 GB capacity for:<ul style="list-style-type: none"><li>• Red Hat Enterprise Linux (RHEL) 7.x</li><li>• Ubuntu Linux 16.04</li><li>• Ubuntu Linux 18.04</li></ul></li><li>&gt; 2 GB capacity for:<ul style="list-style-type: none"><li>• Debian Linux 10.x</li></ul></li><li>&gt; 512 MB capacity for:<ul style="list-style-type: none"><li>• Debian Linux 9.x</li></ul></li></ul>	<b>Java Runtime:</b> Java Runtime Environment version 1.6, 1.7 and 1.8 for the Java interface. <b>Android SDK:</b> Android SDK version 28.  <b>PDF File Viewer (for viewing PDF documents):</b> Adobe Acrobat 4.0 (or later)

## Deployment Environment Recommendations

Hardware Requirements	Software Requirements
<b>Processor:</b> ARM (64-bit)	<b>Operating System(s):</b> <ul style="list-style-type: none"><li>&gt; Android 8.x</li><li>&gt; Android 9.x</li><li>&gt; Android 10.x</li></ul>

**NOTE** From Android 10 onward, read/write access permission for the default storage location should be enabled at the time of application creation. The end user must provide read/write access permission for the default storage location.

# Installation Information

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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 Instruction

The Sentinel RMS SDK is packaged as a tar file. To install Sentinel RMS SDK for Android, you need to first extract the contents of the package and then execute the installation script on Linux (64-bit).

1. Extract the contents of the package, using the following command:

```
tar -xvf RMSSDK9.7.2.xxxxAndroid.tar
```

2. Navigate to the `slm_0972_android_combo_cdrom` directory, and execute the install script:

```
cd slm_0972_android_combo_cdrom  
  
sh INSTALL.sh
```

3. Accept the license agreement to proceed with installation.
4. Enter the path of installation directory.
5. Type the RMS SDK serial number. This serial number is contained in the Sentinel Order Credentials email and is unique for each software vendor.

## 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.
<b>manuals</b>	Documentation for Sentinel RMS SDK.
<b>samples</b>	Examples that illustrate the various features of Sentinel RMS. The include files, which provide the prototypes for various Sentinel RMS library functions.
<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 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

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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](https://supportportal.thalesgroup.com/csm?id=support_essentials)

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

- [portal.support.DIS@thalesgroup.com](mailto: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>