SCL Add-on for RMS 9.1

CUSTOMER RELEASE NOTES

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Contents

Product Description

Sentinel Cloud Licensing (SCL) – an add-on for the Sentinel RMS – is used to attain the benefits of cloud-connected licensing, where licensing is managed from the cloud to serve both on-premise and cloud-based software.

The SCL Add-on for RMS is used in conjunction with Sentinel EMS. As a result, software vendors can create a feature-rich hybrid offering consisting of cloud components, leveraging and extending the core competencies of RMS and EMS.

Release Overview

This release extends the SCL Add-on licensing support to cloud-hosted and always-connected applications. Prior to this release, the licensing support was limited to applications deployed on-premise (in isolated and/or occasionally-connected environments). This results into a comprehensive offering that can cater to almost all licensing requirements spanning across on-premise, cloud-connected, and cloud deployed applications.

In addition, this release also includes enhancements for on-premise and lease license deployment modes.

Contact our Technical Support to request for a trial of SCL Add-on for RMS.

New Features

This section lists the major highlights of this release; for their complete description, read the *SCL Add-on Overview Guide*.

- The Cloud Served – Connected License Deployment Mode
- Named User Licensing
- Usage Count Multiplier
- Peak Concurrency Support
- Raw Usage Data Report
- Redundant RMS License Manager Support for Leased Licenses
- Macintosh Support for Leased Licenses

Note: Refer to the table at the end of this section to see a summary of new features availability across the license deployment modes.

Introducing the Cloud Served – Connected License Deployment Mode

This release introduces the "Cloud Served – Connected" license deployment mode to solve the licensing use cases for hosted and/or always connected applications. Here, the license resides in the cloud and is enforced globally across all geographical locations in real-time. This mode is generally used for the always connected networks, where the licensed application (or its instance) is always connected to the global license server over a network having full-time Internet connectivity.

The last release provided "Cloud Served- Lease" license deployment mode to support the leased licensing for on-premise software vendors, who want a robust hybrid model to offer cloud connected licensing capabilities with their on-premise software. The license deployment mode could also be used to implement the complex licensing for traditional, isolated software having no cloud-connectivity requirements.

To support the Cloud Served – Connected License Deployment Mode, the following features are introduced:

- **Introducing the Connected License Model in Sentinel EMS**
  The Connected License Model is introduced in Sentinel EMS to support the Cloud Served – Connected license deployment mode. This license model provides various licensing attributes that help in controlling the behavior of cloud-based applications. Some of these are: License Validity, Named User Licensing, Concurrency, Limit, and Vendor Info.

  To learn more about the Connected license model, refer to the *Sentinel EMS User's Guide*.

- **Introducing Java and .NET Unified APIs for Integrating Cloud Licensing**
  The Unified APIs include a set of functions for implementing cloud licensing in your Java and .NET applications. This interface can be used for performing the typical licensing operations, such as requesting and releasing a license in the cloud.

  Refer to the following documents for details about the APIs:

  - *Unified API (Java) for Cloud Served – Connected Mode*

  - *Unified API (.NET) for Cloud Served – Connected Mode*

Introducing Named User Licensing

Named User Licensing allows software vendors to create licenses that can be consumed only by specific users or entities. A named user license gives exclusive licensing rights to users/entities whose names have been specified in the license. This is done by vendors or the end customers by listing the names against each product in an entitlement. Sentinel EMS supports management of named users, and allows to add, retrieve, and delete the named users in an entitlement.

A named user license enables software vendors to control not only *who* can access the licensed software but also *how many* users can access it.

This feature is supported for the Cloud Served - Connected license deployment model, and is available with the Connected License Model of Sentinel EMS.

To learn more about it, refer to the *Sentinel EMS User's Guide*. Refer to the *Sentinel EMS Web Services Guide* to obtain details about the web services provided to support named user licensing.

Introducing Usage Count Multiplier

Usually, each licensing session consumes one count per login-logout call sequence. At times, when a vendor wants to represent this consumption differently, then a usage count multiplier value can be specified, both at the start of the session (login) and / or at its end (logout). The usage count multiplier value for a login-logout session is calculated by adding the attribute values specified during the login and logout API calls.

For details, refer to the Chapter, "Unified API" of the *Sentinel RMS SDK API Reference Guide* for Cloud Served – Lease license deployment mode.

For Cloud Served – Connected license deployment modes, refer to the corresponding Java or .NET Unified API document.

Peak Concurrency Support

Concurrency refers to the flexibility of allowing concurrent consumption of a feature. It is the software vendors decision whether or not to enforce a limit on the number of licenses that can be issued concurrently. This release provides the support to record the concurrency value, submitted by application instances, in the usage data. It gives monetization flexibility to vendors – they can opt to charge in advance or after the consumption based on usage.

The concurrency values are used to compute a cumulative value, called *Peak Concurrency*, which determines the peak load achieved during a given period. The peak concurrency feature is useful for vendors who want to license an application based on the application load (rather than on functionality), and charge their customers based on the peak number of concurrent sessions. As an instance, vendors can allow their customers to consume as many concurrent sessions as required, and charge them later based upon the peak concurrency reached in a given period (like monthly) for a given granularity (like hourly).

To compute peak concurrency, you need to use the Peak Concurrency Report (*retrievePeakConcurrencyReport.ws*) EMS web service. This report is available for both Cloud Served - Lease and Cloud Served - Connected license deployment modes.

For details of the Peak Concurrency concept, refer to the *SCL Add-on Overview Guide*.

Obtaining Raw Usage Data in Sentinel EMS

This release allows the retrieval of the raw usage data using the *retrieveUsageReport.ws* EMS web service. The raw usage data provides complete feature consumption details (in XML format), which the software vendors can further leverage to create customized reports according to their business use case.

The *retrieveUsageReport.ws* web service obtains information of customer, entitlement, products, features, users, usage type, vendor data, and client machine's host address.

For more details, refer to the *Sentinel EMS Web Services Guide*.

Redundant RMS License Manager Support for Leased Licenses

This release provides redundant License Manager support in the Cloud Served – Lease license deployment mode. It is useful for customers who have a large network installation and want to ensure high-availability of licenses. This requires three or more License Managers to be set up in redundant configuration so that when the primary License Manager goes down, the remaining License Managers provide high availability seamlessly.

This feature was earlier available for traditional on-premise customers only, and with this release it is available for leased licensing customers as well.

For more details, refer to the Chapter – Redundancy in the *SCL Add-on Overview Guide*.

Macintosh Support for Leased Standalone Licenses

The Cloud Served – Lease license deployment mode is now also supported for Macintosh applications deployed in standalone environments.

Enhancements Related to the Previous Set of Unified APIs

In this release, significant enhancements are also included for the Unified APIs, used in Cloud Served – Lease and On-premise license deployment modes. For a summary of these enhancements, refer to the *Sentinel RMS v9.1.0 – Release Notes*. Further details are provided in the chapter "Unified API" of the *Sentinel RMS SDK API Reference Guide*.

New Features Availability across the License Deployment Modes

List of Features Introduced in this Release	License Deployment Modes		
	On-premise	Cloud Served - Lease	Cloud Served - Connected
Support for hosted or always-connected applications	No	No	Yes
Named User Licensing	No	No	Yes
Usage Count Multiplier	No	Yes	Yes
Peak Concurrency Support*	No	Yes	Yes
Raw Usage Data Report	No	Yes	Yes
Redundant RMS License Manager Support	Yes	Yes	No
Macintosh Support	Yes	Yes	No

* See the "Concurrency Support Summary" table in the Chapter – Peak Concurrency in the *SCL Add-on Overview Guide* to see the feature breakdown and its support in various license deployment modes.

Operating System Information

For the Cloud Served - Lease License Deployment Mode, SCL supports all those Windows, Linux, and Macintosh versions on which Sentinel RMS is supported.

For the Cloud Served – Connected License Deployment Mode, SCL supports Windows and Linux.

For more details on the supported platforms, refer to the *SCP Installation and Configuration Guide*.

Product Documentation

The product documentation for this release is available online at http://sentinelrms.safenet-inc.com/scl/.

We have attempted to make these documents complete, accurate, and useful, but we cannot guarantee them to be perfect. When we discover errors or omissions, or they are brought to our attention, we endeavor to correct them in succeeding releases of the product.

Support Contacts

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 can download installers and other updated components using this URL:

  https://sentinel.gemalto.com/technical-support-sm/