

Feature History for Smart Licensing Using Policy

This table provides release and related information for features explained in this module.

These features are available on all releases subsequent to the one they were introduced in, unless noted otherwise.

Release	Feature	Feature Information
Cisco IOS XE Gibraltar 16.10.1	Smart Licensing	A cloud-based, software license management solution that allows you to manage and track the status of your license, hardware, and software usage trends.
Cisco IOS XE Amsterdam 17.3.2a	Smart Licensing Using Policy	An enhanced version of Smart Licensing, with the overarching objective of providing a licensing solution that does not interrupt the operations of your network, rather, one that enables a compliance relationship to account for the hardware and software licenses you purchase and use. Starting with this release, Smart Licensing Using Policy is automatically enabled on the device. This is also the case when you upgrade to this release. By default, your Smart Account and Virtual Account in CSSM is enabled for Smart Licensing Using Policy.
	Cisco Catalyst Center Support for Smart Licensing Using Policy	Cisco Catalyst Center supports Smart Licensing Using Policy functionality starting with Cisco Catalyst Center Release 2.2.2. When you use Cisco Catalyst Center to manage a product instance, Cisco Catalyst Center connects to CSSM, and is the interface for all communication to and from CSSM. For information about the compatible controller and product instance versions, see Controller. For information about this topology, see Connected to CSSM Through a Controller and Workflow for Topology: Connected to CSSM Through a Controller.

Release	Feature	Feature Information
Cisco IOS XE Amsterdam 17.3.3	Smart Software Manager On-Prem (SSM On-Prem) Support for Smart Licensing Using Policy	SSM On-Prem is an asset manager, which works in conjunction with CSSM. It enables you to administer products and licenses on your premises instead of having to directly connect to CSSM. For information about the compatible SSM On-Prem and product instance versions, see: Cisco Smart Software Manager On-Prem (SSM On-Prem). For an overview of this topology, and to know how to implement it see SSM On-Prem Deployment and Workflow for Topology: SSM On-Prem Deployment. For information about migrating from an existing version of SSM On-Prem, to one that supports Smart Licensing Using Policy, see Migrating to a Version of SSM On-Prem That Supports Smart Licensing Using Policy.
Cisco IOS XE Bengaluru 17.4.1	Option to opt-out of AIR DNA licenses and change in default license level for EWC-APs.	The option to opt-out of purchasing an AIR DNA license was introduced. This option is available only through the Cisco Commerce portal. When you opt-out, you use only the AIR Network Essentials license, and Smart Licensing Using Policy functionality is disabled on the product instance. For more information, see the *Configuring an AIR License* section in this guide. Starting with this release, the default license on an EWC-AP was also changed to AIR Network Essentials.

Release	Feature	Feature Information
Cisco IOS XE Cupertino 17.7.1	RUM Reporting and Acknowledgment Requirement for Cisco Catalyst 9800-CL Wireless Controller	If you are using a Cisco Catalyst 9800-CL Wireless Controller, you must complete RUM reporting and ensure that the Acknowledgment (ACK) is made available on the product instance - at least once. This is to ensure that correct and up-to-date usage information is reflected in CSSM.
	Factory-installed trust code	For new hardware orders, a trust code is now installed at the time of manufacturing. Note: You cannot use a factory-installed trust code to communicate with CSSM. See Trust Code.
	Support for trust code in additional topologies	A trust code is automatically obtained in topologies where the product instance initiates the sending of data to *CSLU* and in topologies where the product instance is in an air-gapped network. See Trust Code.
	RUM Report optimization and availability of statistics	RUM report generation and related processes have been optimized. This includes a reduction in the time it takes to process RUM reports, better memory and disk space utilization, and visibility into the RUM reports on the product instance (how many there are, the processing state each one is in, if there are errors in any of them, and so on). Also see the **show license rum**, **show license all**, and **show license tech** commands in the command reference of the applicable release.
	Support to collect software version in a RUM report	If version privacy is disabled (**no license smart privacy version** global configuration command), the Cisco IOS-XE software version running on the product instance and Smart Agent version information is *included* in the RUM report. See the **license smart** global configuration command in the command reference of the applicable release.
	Account information included in the ACK and **show** command outputs	A RUM acknowledgement (ACK) includes the Smart Account and Virtual Account that was reported to, in CSSM. You can then display account information using various **show** commands. The account information that is displayed is always as per the latest available ACK on the product instance. See the **show license all**, **show license summary**, **show license status**, and **show license tech** commands in the command reference of the applicable release.

Release	Feature	Feature Information
	CSLU support for Linux	CSLU can now be deployed on a machine (laptop or desktop) running Linux. See Cisco Smart License Utility (CSLU), Workflow for Topology: Connected to CSSM Through CSLU, and CSLU Disconnected from CSSM.

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Cisco IOS XE Cupertino 17.9.1	New mechanism to send data privacy related information	A new mechanism to send all data privacy related information was introduced. This information is no longer included in a RUM report.If data privacy is disabled (**no license smart privacy** { **all** | **hostname** | **version**} global configuration command), data privacy related information is sent in a separate sync message or offline file. Depending on the topology you have implemented, the product instance initiates the sending of this information in a separate message, or CSLU and SSM On-Prem initiates the retrieval of this information from the product instance, or this information is saved in the offline file that is generated when you enter the license smart save usage privileged EXEC command. In the command reference of the corresponding release, see the license smart (global config) command.
	Hostname support	If you configure a hostname on the product instance and disable the corresponding privacy setting (**no license smart privacy hostname** global configuration command), hostname information is sent from the product instance. Depending on the topology you have implemented, the hostname information is received by CSSM, and CSLU or SSM On-Prem. It is then displayed on the corresponding user interface. In the command reference of the corresponding release, see the **license smart** (global config) command.
	Support for trust code in additional topologies	A trust code is automatically obtained in topologies where CSLU initiates the retrieval of data from the product instance. See: Trust Code, Connected to CSSM Through CSLU, CSLU Disconnected from CSSM.
	RUM Report Throttling	

Release	Feature	Feature Information
		For all topologies where the product instance initiates communication, the minimum reporting frequency is throttled to one day. This means the product instance does not send more than one RUM report a day. The affected topologies are: *Connected Directly to CSSM*, *Connected to CSSM Through CSLU* (product instance-initiated communication), *CSLU Disconnected from CSSM* (product instance-initiated communication), and *SSM On-Prem Deployment* (product instance-initiated communication). You can override the reporting frequency throttling, by entering the **license smart sync** command in privileged EXEC mode. This triggers an on-demand synchronization with CSSM or CSLU, or SSM On-Prem, to send and receive any pending data. RUM report throttling also applies to the Cisco IOS XE Amsterdam 17.3.6 and later releases of the 17.3.x train, and Cisco IOS XE Bengaluru 17.6.4 and later releases of the 17.6.x train. From Cisco IOS XE Cupertino 17.9.1, RUM report throttling is applicable to *all* subsequent releases. See Connected to CSSM Through CSLU, Connected to CSSM Through CSLU, CSLU Disconnected from CSSM, and SSM On-Prem Deployment.