



Cisco HCS License Usage

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Introduction

Cisco Hosted Collaboration Mediation Fulfillment (HCM-F) provides functionality to monitor how licenses are deployed and used within a Cisco HCS deployment. Other components in the solution are not managed by Cisco HCM-F. This chapter describes these components and how best to monitor and maintain license usage.

Infrastructure Licenses

Cisco Nexus 7000 Series Switches

For licensing information, see the *Cisco NX-OS Licensing Guide*: <http://www.cisco.com/c/en/us/support/switches/nexus-7000-series-switches/products-installation-and-configuration-guides-list.html>.

Cisco AnyConnect

For licensing information, see the *AnyConnect Secure Mobility Client Features, Licenses, and OSs* guide: <http://www.cisco.com/c/en/us/support/security/anyconnect-secure-mobility-client/products-feature-guides-list.html>.

Cisco Adaptive Security Appliance

For licensing information, see the Cisco ASA licensing documents: http://www.cisco.com/en/US/products/ps6120/products_licensing_information_listing.html.

Cisco UCS Manager

For licensing information, see the *Cisco UCS Manager GUI Configuration Guide* : <http://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-manager/products-installation-and-configuration-guides-list.html>.

Metaswitch Perimeta SBC

The Metaswitch Perimeta SBC (session border controller) license consists of the base *bare metal* (or non-virtual) license, variable SIP call session licenses, and optional licenses. This license determines the scalability limits that apply to the SBC, and the feature packs in the license determine which SBC features are available. If an attempt is made to use a CLI command from a feature pack not included in the current license, the CLI displays a warning.

The license can use a hard or soft enforcement model. For either model, each SBC session requires a license.

- **Soft:** This model provides warnings from the system. The SBC indicates license breaches with CLI warnings and alarms, but continues to function even though license usage limit is exceeded.
- **Hard:** This model enforces the restrictions of the license. The SBC may prevent you from breaching your licensed capacity limits or from configuring unlicensed features.

The SBC is always installed as a redundant pair of servers, where one server is Active and the other is Standby. One pair is required per data center. Therefore, purchase session licenses for each pair. Often, one data center is configured to carry all traffic when other data centers fail. For such a situation, purchase enough licenses to equal the maximum number of sessions that the surviving data center carries. One session is consumed per call leg.

Cisco HCS supports the following Perimeta SBC feature packs:

- Advanced Routing
- Signaling Encryption
- Media Encryption
- IMS Signaling
- Lawful Intercept
- Media Transcoding

Data Center License Usage

The following data center storage components require specific licensing. For more information, contact your Cisco sales engineer.

- SAN
- Nexus switches (5000, 7000)
- MDS switches
- UCS Manager

**Note**

If you are using SAN-based storage, you must have storage access licensing for your Cisco components.

Cisco HCS License Reports

Cisco HCS License Manager supports the generation of a system-level license report. The report includes all customers on the system with aggregate license consumption at customer level. The report also includes the Cisco Prime License Manager to which each customer is associated.

Request the Cisco HCS license report through HCM-F. The report request generates two files: one in .csv format, the other in .xlsx format. Both files are saved in the HCS License Manager license report repository for future download. The retention period of the report is set to 60 days by default.

Take the following steps to generate and download a Cisco HCS license report.

- 1 From the side menu, select **License Management > License Reports**.
- 2 To generate a new report, click **Request New Report**. Click **Refresh** to see the newly generated report.
- 3 To download a report, select the report name and click **Download CSV Format** or **Download Excel Format**.

For more information, see the *Cisco Hosted Collaboration Mediation Fulfillment Maintain and Operate Guide*: <http://www.cisco.com/c/en/us/support/unified-communications/hosted-collaboration-solution-version-10-6-1/model.html#~tab-component-documentation>.

HCS License Report Format

Column Definitions

Customer

The customer name. For a shared instance configuration, the cluster name.

Tenants

In a shared instance configuration, the customer names that share the cluster.

Reseller Name

The reseller who manages the customer, if applicable.

LM Name

The License Manager from which the customer requests required licenses.

Deal ID

Any Deal ID associated with the customer.

License Type Columns

The remaining columns contain the number of required licenses of various types for each customer. They are listed in alphabetical order.

Row Definitions**Customer Row**

Each row refers to a customer, except for shared instance configurations, where a row represents the shared cluster.

Unassociated Row

The UNASSOCIATED row represents required licenses that are not associated with any customer. This could be because a UC app that requires licenses is set up in Cisco Unified Communications Domain Manager, but the UC app is not in any Network Device List associated with a customer. Another case is a cluster that has been created in HCM-F that has no customer specified for it.

System Row

The System row is the total of required licenses across all customers and unassociated required licenses.

Management Licenses

Your Cisco Unified Communications Manager license usage is the sum of your Cisco Unified Communications Manager license usage and your Cisco Unity Connection license usage. License usage for Unified CM and Cisco Unity Connection is tracked and reported on by Cisco Prime License Manager (through HCS License Manager).

Application Licenses

Cisco Prime License Manager, which is used by Cisco Unified Communications Manager and Cisco Unity Connection, provides simplified, enterprise-wide management of user-based licensing. Prime License Manager handles licensing fulfillment, supports allocation and reconciliation of licenses across supported products, and provides enterprise-level reporting of usage and entitlement.

Cisco Agent Desktop Licenses

Run the ShowLicenseUsage utility to view the IP addresses of clients who consume desktop seats or who run Cisco Desktop Administrator or Cisco Workflow Administrator.

For IP Phone Agent and Cisco Agent Desktop-Browser Edition seats, the IP address is that of the active Browser and IP Phone Agent (BIPPA) service. For web-based Desktop Administrator, the IP address is that of the CAD server.

Follow these steps to use the ShowLicenseUsage utility.

- 1 On the server hosting the Cisco Agent Desktop services, open **Windows Explorer**.
- 2 Navigate to the C:\Program Files\Cisco\Desktop\bin folder.
- 3 Double-click **ShowLicenseUsage.exe** to run the utility.

Table 1: ShowLicenseUsage Result Headings

Result Heading	Description
admin - desktop	Not used in this version
admin - enterprise	Lists users of Cisco Work Flow Administrator and Cisco Desktop Administrator
admin - personnel	Not used in this version
admin - cti config	Not used in this version
seat	Lists users of Cisco Agent Desktop, Cisco Agent Desktop - Browser Edition, Cisco IP Phone Agent, and Cisco Supervisor Desktop

Cisco Jabber Guest Licenses

For license usage information, see the 'Monitor Product Use' topic in the *Cisco Jabber Guest Administration Guide*: <http://www.cisco.com/c/en/us/support/unified-communications/jabber-guest/products-maintenance-guides-list.html>.

Prime Collaboration Assurance License Usage

The following rules apply for Prime Collaboration Assurance licensing:

- Devices that are in Managed and Suspended states are counted.
- An IP phone and soft client pair that share the same extension number or SIP URI is counted as one endpoint. The soft clients include Cisco Unified Personal Communicator, Cisco IP Communicator, Cisco Jabber, and Client Services Framework (CSF).

- Mobile phones are counted separately.
- Analog phones connected to a voice gateway are not monitored and not counted.
- Phones with the same IP address are counted as one endpoint, and only one license unit is used. However, when Prime Collaboration is deployed in MSP mode, phones with the same overlapping IP address are counted as different endpoints.

For more information about how to add license files and how the endpoints are counted, see the *Cisco Prime Collaboration Assurance Guide - Advanced*: <http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-collaboration/products-user-guide-list.html>.