

Cisco Unified Service Statistics Manager 8.5

Cisco Unified Communications

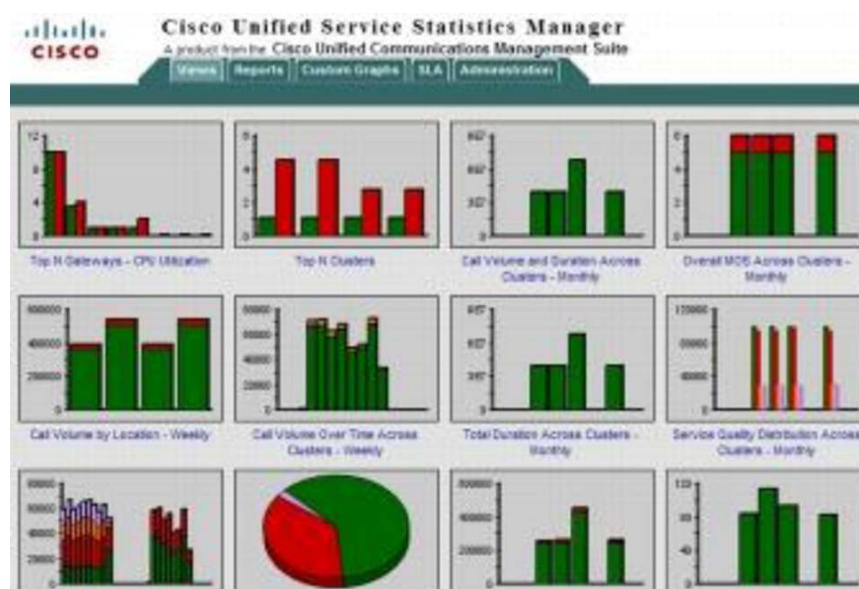
Cisco® Unified Communications Solutions unify voice, video, data, and mobile applications on fixed and mobile networks, facilitating easy collaboration every time from any workspace. Part of a comprehensive solution that includes network infrastructure, security, wireless, management, or third-party applications and lifecycle services, Cisco Unified Communications management solutions can accelerate deployment, provide cost savings, and enhance productivity.

Product Overview

Cisco Unified Service Statistics Manager (USSM) is a component of the Cisco Unified Communications Management Suite, consisting of Cisco Unified Provisioning Manager (UPM), Cisco Unified Operations Manager (UOM), Cisco Unified Service Monitor (USM), and Cisco Unified Service Statistics Manager. Designed specifically for managing Cisco Unified Communications Solutions, the Cisco Unified Communications Management Suite offers comprehensive provisioning, monitoring, troubleshooting, and reporting capabilities throughout the solution lifecycle.

Cisco Unified Service Statistics Manager provides advanced statistics analysis and reporting capabilities for Cisco Unified Communications deployments. This easy-to-use, web-based software product features a variety of advanced reports for executive, operations, and capacity-planning functions (refer to Figure 1). Cisco Unified Service Statistics Manager provides many predefined and customizable reports that provide visibility into critical metrics, including call volume, service availability, call quality, resource usage, and capacity across the Cisco Unified Communications system, including across multiple Cisco Unified Communications Manager clusters, gateways, and related devices. It enables you to view information based on network, service, business, and user criteria. You can define service-level agreement (SLA) constructs as well as measure and verify them based on collected unified communications statistics. Customizable report templates and automatic report invocation and scheduling offer you a great deal of power and flexibility.

Figure 1. Cisco Unified Service Statistics Manager User Interface



Features and Benefits

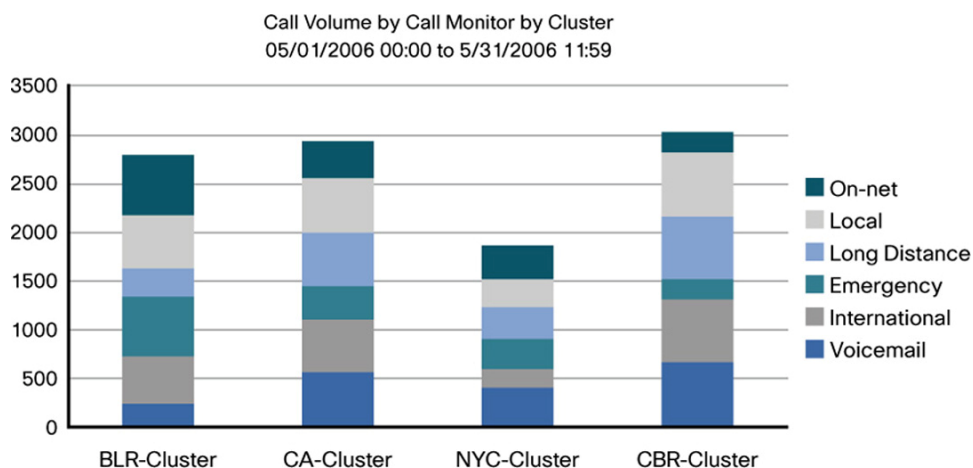
Unified Performance Statistics Analysis and Reporting

Cisco Unified Service Statistics Manager uses the data-collection capabilities of Cisco Unified Operations Manager and Cisco Unified Service Monitor to harvest and consolidate performance statistics from a variety of Cisco devices, applications, and systems, including Cisco Unified Communications Manager, Cisco Unified Communications Manager Express, Cisco Unity® software, Cisco Unity Connection, Cisco Unity Express, Cisco Network Analysis Module, and Cisco IOS® Software-based voice gateways. Through its ability to integrate data from such a wide range of products, Cisco Unified Service Statistics Manager provides a unified performance analysis and reporting window into the Cisco Unified Communications deployment.

A Variety of Predefined Reports for Executives and for Operations and Capacity-Planning Personnel

Cisco Unified Service Statistics Manager comes with more than 40 predefined reports on critical metrics, including call volume (Figure 2), service availability, call quality, resource usage, and availability across the Cisco Unified Communications system. These reports are designed to help executives gain insight into the overall performance of unified communications services and trends over time. Operations personnel can generate traffic, service quality, availability, and exception reports to proactively focus operations resources on potential problems before they affect service. Capacity planners can generate a variety of gateway and trunk usage trend reports to estimate at what point in the future upgrades will need to occur. Using this data, staff can proactively allocate budget and resources to perform the upgrades.

Figure 2. Call-Volume Report Across Multiple Cisco Unified Communications Manager Clusters



Customizable Data Partitioning, Analysis, and Reporting

Cisco Unified Service Statistics Manager enables you to partition the collected performance data based on a variety of network, service, user, and business criteria for custom analysis and reporting. For example, you can generate reports based on custom time periods, logical groups of trunks on user-selected gateways, user-defined groups of phone extension numbers, Cisco Unified Communications Manager clusters, device pools, and so on. Thus you can gain unique perspectives on the performance of your Cisco Unified Communications deployment for executive, operations, and capacity-planning purposes.

SLA Reporting

Cisco Unified Service Statistics Manager provides the capability to define SLAs for logical or business constructs such as locations, departments, branch offices, regions, clusters, and so on; and for relevant attributes, including call quality, availability, jitter, and trunk usage. You can define threshold settings to be associated with SLAs, and you can hierarchically structure the settings. SLA violations (and their associated financial effect, the parameters of which you define) can be rolled up to a master SLA for enterprisewide reporting, executive review, and action. This

feature can help executives and operations personnel determine whether network problems violate predefined service levels and estimate the associated business effect and cost.

Table 1 lists features and benefits of Cisco Unified Service Statistics Manager.

Table 1. Features and Benefits

Feature	Benefit
Unified performance statistics	<ul style="list-style-type: none"> Take advantage of a consolidated database of performance and traffic statistics across Cisco Unified Communications devices, systems, and applications.
Predefined and customizable reports	<ul style="list-style-type: none"> Arrange data based on a variety of network, physical, logical, and business criteria. Gain unique perspectives on network performance. Simplify operations and administration through scheduled, automatically generated reports. Increase productivity through personalized and customized reports.
SLA constructs	<ul style="list-style-type: none"> Define and monitor SLAs. Assess the business effect of network problems and service-level violations.
Usage trend reports and top-N upgrade candidate reports	<ul style="list-style-type: none"> Gain visibility into network trends. Estimate when critical resources need to be upgraded. Control, allocate, and reduce costs.
Top-N and exception reports	<ul style="list-style-type: none"> Produce reports based on calls, users, endpoints, and so on. Proactively address problems before they affect service. Improve security by identifying unusual activity and fraud.
Report distribution through email and a web-based portal	<ul style="list-style-type: none"> Quickly and efficiently distribute information. Increase workgroup and user efficiency through a web-based portal that features a customizable dashboard.
Selectable data and report formats	<ul style="list-style-type: none"> Use HTML, PDF, and comma-separated value (CSV) file formats. Export data and reports to external applications.

System Requirements

Table 2 is a summary of the minimum system requirements for Cisco Unified Service Statistics Manager. For complete details about system requirements as well as VMware platform specifications, please refer to the Quick Start Guide for Cisco Unified Service Statistics Manager 8.5.

Table 2. System Requirements

Server Requirements (No VMware, single instance of Cisco Unified Service Monitor)	
Component	Minimum Requirement
Hardware	Two dual-core processors greater than 2.33 GHz or one quad-core processor greater than 2.33 GHz ¹
Software for Windows	Windows Server 2003 Standard Edition or Enterprise Edition with Service Pack 1 or 2 Windows Server 2008 Standard Edition or Enterprise Edition with Service Pack 2 for 32-bit support only VMware ESX 3.5 or ESXi 4.0
Available memory	4-GB RAM and 4-GB virtual memory
Client Requirements	
Processor	1 GHz minimum (PC or Mac)
Memory	1-GB RAM minimum
Browser	Microsoft Internet Explorer 7 or 8 Firefox 3.6 and later
Resolution	1024 x 768 minimum

¹**Note:** The Cisco MCS 7845-H2 and MCS 7845-I2 meet these specifications. These products come with four Serial Attached SCSI (SAS) hard drives configured using RAID1+0.

Ordering Information

You can order Cisco Unified Service Statistics Manager 8.5 through normal Cisco sales channels. The base part number includes licensing for the indicated number of phones. Add-on licenses are available to increase the

maximum number of phones supported. You can order Cisco Unified Service Statistics Manager as part of a management suite bundle or as a standalone product. The Cisco Unified Communications Management Suite Ordering Guide, available to Cisco employees and partners, provides instructions for ordering management product bundles that deliver significant savings over the individual product pricing. Please contact your local Cisco account representative for details.

Table 3 lists ordering information. To place an order, visit the [Cisco Ordering Homepage](#).

Table 3. Ordering Information

Product Name	Part Number
Cisco Unified Communications Management Suite Bundle for 1,000 Phone License UPM 8.5, UOM 8.5, USM 8.5 and USSM 8.5-K9	L-UCMS-STE-B-1K
Cisco Unified Communications Management Suite Bundle for 5,000 Phone License UPM 8.5, UOM 8.5, USM 8.5 and USSM 8.5-K9	L-UCMS-STE-B-5K
Cisco Unified Communications Management Suite Bundle for 10,000 Phone License UPM 8.5, UOM 8.5, USM 8.5 and USSM 8.5-K9	L-UCMS-STE-B-10K
Cisco Unified Communications Management Suite Bundle for 20,000 Phone License UPM 8.5, UOM 8.5, USM 8.5 and USSM 8.5-K9	L-UCMS-STE-B-20K
Cisco Unified Communications Management Suite Bundle for 30,000 Phone License UPM 8.5, UOM 8.5, USM 8.5 and USSM 8.5-K9	L-UCMS-STE-B-30K
Unified Service Statistics Manager 8.5 up to 1K Phone License-K9	L-USSM-B-1K=
Unified Service Statistics Manager 8.5 up to 2K Phone License-K9	L-USSM-B-2K=
Unified Service Statistics Manager 8.5 up to 5K Phone License-K9	L-USSM-B-5K=
Unified Service Statistics Manager 8.5 up to 10K Phone License-K9	L-USSM-B-10K=
Unified Service Statistics Manager 8.5 up to 20K Phone License-K9	L-USSM-B-20K=
Unified Service Statistics Manager 8.5 up to 30K Phone License-K9	L-USSM-B-30K=
Unified Service Statistics Manager 8.5 up to 45K Phone License-K9	L-USSM-B-45K=
Unified Service Statistics Manager Upgrade 1.x to 8.5. Maintains existing phone count	L-USSM-B-UPG=

Cisco Unified Communications Services

Cisco Unified Communications Services allow you to accelerate cost savings and productivity gains associated with deploying a secure, resilient Cisco Unified Communications Solution. Delivered by Cisco and our certified partners, our portfolio of services is based on proven methodologies for unifying voice, video, data, and mobile applications on fixed and mobile networks. Our unique lifecycle approach to services can enhance your technology experience to accelerate true business advantage. For more information about Cisco Services, please visit: [Cisco Technical Support Services](#) or [Cisco Advanced Services](#).

For More Information

For more information about Cisco Unified Service Statistics Manager, please visit <http://www.cisco.com/go/cussm>, contact your local Cisco account representative, or send an email to the Cisco product marketing group at ask-ipc-management@cisco.com.



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