

Avaya Aura® Conferencing Operational Measurements Reference

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Chapter 1: Introduction

Purpose

This document describes the operational measurements generated by a product, including the types of operational measurements.

Intended audience

This document is intended for anyone who wants to refer to the operational measurements generated by a product.

Related resources

Documentation

Download the following related documents at http://support.avaya.com.

The Avaya Support website also includes the latest information about product compatibility, ports and Avaya Aura® Conferencing releases.

Supporting

Document number	Title	Use this document to:	Audience
04–604423	Avaya Aura® Conferencing Accounting Records Reference	Collect information about accounting records	System administrators Customers, Partners, Services, and Support personnel

Document number	Title	Use this document to:	Audience
04-604443	Avaya Aura [®] Conferencing Alarms and Logs Reference	Collect information about alarms and logs, including the alarms and logs families	System administrators Customers, Partners, Services, and Support personnel
04-604444	Avaya Aura [®] Conferencing Operational Measurements Reference	Collect information about operational measurements	System administrators Customers, Partners, Services, and Support personnel

Training

The following courses are available on http://www.avaya-learning.com. In the **Search** field, type the course code, and click **Go** to search for the course.

Course code	Course title		
2U00110O	Selling Avaya Aura® Conferencing Solution Learning Bytes		
2U00325O	Avaya Aura® Conferencing 7 L1 Customer Scenario		
3U00260W	Designing Avaya Aura® Conferencing		
5U00120E	Avaya Aura® Conferencing		
3204	Avaya Aura® Conferencing Implementation and Maintenance Exam		

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About this task

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Procedure

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 - In Search, type Avaya Mentor Videos to see a list of the available videos.

- In Search, type the product name. On the Search Results page, select Video in the Content Type column on the left.
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 - Enter a key word or key words in the Search Channel to search for a specific product or topic.
 - Scroll down Playlists, and click the name of a topic to see the available list of videos posted on the website.



Note:

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Chapter 2: Overview

Operational measurements provide statistical information about the operation and the performance of components, applications, and servers. A group of registers represents each measurement. These groups of registers include counters and gauges that provide performance-related data.

Avaya Aura[®] Conferencing retains the measurement data on Element Manager Console database for 30 days.

In this document, *the system* refers to Avaya Aura[®] Conferencing. This document lists the operational measurements that Avaya Aura[®] Conferencing generates. The number of measurements that Avaya Aura[®] Conferencing generates depends on the system configuration. Based on the configuration, certain systems might not generate some of the measurements described in this document. All measurements are not applicable to Avaya Aura[®] Conferencing.

Types of operational measurements

Operational measurements are classified into counters, gauges, and tidemarks.

Counters

A counter-type operational measurement measures the frequency of the occurrence of an event for a specific interval, which is called the transfer period. With counters, administrators can determine the rate of the occurrence of an event, such as:

- The number of login attempts during the transfer period.
- The number of bytes received during the transfer period.

Gauges

A gauge-type operational measurement measures the quantity of an event. A gauge measures the quantity of an event once in a transfer period, such as:

- The number of pending requests when a snapshot is taken.
- The number of active devices when a snapshot is taken.

Configure alarm thresholds to gauges. If the value of a gauge goes beyond the range specified in an alarm threshold, Avaya Aura® Conferencing raises an alarm.

Tidemarks

A tidemark-type operational measurement measures the maximum and the minimum value of a gauge.

Administer high and low tidemarks to gauges to determine temporary spikes in the system performance.

Viewing operational measurements in OM Browser of **Element Manager Console**

About this task

OM Browser is a tool in Element Manager Console to view operational measurements.

Procedure

- 1. Log in to Element Manager Console.
- 2. Click Feature Server Elements > Element Manager and select a network element.
- 3. Click the OM Browser icon on the top of the console.

Element Manager Console opens the OM Browser window.

- 4. To view specific operational measurements in the OM Browser window, administer the following parameters:
 - Instance
 - OM Group
 - Period
 - Type

Click **Refresh** to view the latest captured operational measurements of the network element.

Viewing operational measurements in the Key Performance Indicators tool of Element Manager Console

About this task

Key Performance Indicators is a tool in Element Manager Console to view the performance-related data. Key Performance Indicators also provides information about operational measurements.

Procedure

- 1. Log in to Element Manager Console.
- 2. Click Key Performance Indicators > Monitoring and Reporting.

Element Manager Console opens the Conferencing Reports & Monitors page in a Web browser.

- 3. Click the **Report Builder** tab on the top of the page and administer the following parameters to view specific operational measurements:
 - Report history from
 - Instance
 - Show data from
 - · OM group to show
 - · OM registers
 - · OM row keys

Chapter 3: Operational measurements

The following table describes the structure of the operational measurements listed in this chapter:

Table 1: Operational measurements structure

Section	Description			
Description	A description provides information about the type of data that an operational measurement provides.			
Key	An operational measurement row key is a unique key which identifies a particular operational measurement row.			
Register	An operational measurement register is the definition of a particular measurement.			
	A register can be a counter, a gauge, or a high or a low tidemark.			
	A register value is the value of a measurement at a specific time.			
	 A row in the registers table is a set of measurements of a particular entity. The row contains values of all the registers that are defined for an operational measurement group. 			

AdvancedAuth

Description

The AdvancedAuth OM group tracks all authentication requests.

Key

Name: Key

Description: Row key

Name	Туре	Unit	Description
TotalRequests	counter		The number of requests which need authenticating
NonceUsageCountEx ceeded	counter	_	The nonce count that exceeds the provisioned value in System Management Console.
TotalFailures	counter	_	The number of failures

Name	Туре	Unit	Description
GracePeriodExpired	counter	_	The grace period that exceeds the provisioned value in System Management Console.
IncorrectCredentials	counter	_	The number of times that the username or the password in the authentication header is incorrect.
NonceDoesNotMatch	counter	_	The nonce value received that does not match with the value in IMDB, or there are no pre-generated nonces in the system.
InvalidNonceCount	counter	_	The number of times that the Nonce-Count value in the authentication header is incorrect.
NoAuthenticationHea der	counter	_	The number of requests that do not need authenticating
AssuredMidCallAuth	counter	_	The number of successful authorization attempts that occurred while the subscriber had an active call
AuthenticationSucces s	counter	_	The number of successful authorization attempts where both the credentials and the nonce are valid.

Auth

Description

The Auth OM group captures the counts for the authentication service.

Key

Name: Key

Description: Row key

Name	Туре	Unit	Description
Attempts	counter	_	The number of authentication attempts
Success	counter	_	The number of successful authorizations
TotalFailures	counter	_	This OM is pegged for each failed subscriber password, and for each failed provider-managed password attempt.
PMCFailures	counter	_	This OM is pegged for each failed provider- managed password attempt.

CAPIAuth

Description

This measurement group tracks the total number of authenticated requests by each authentication type.

Key

Name: AuthenticationMethod

Description: The authentication method.

Registers

Name	Туре	Unit	Description
AuthenticatedRequests	counter	_	The number of authentication responses.

CAPIHTTPSession

Description

This measurement group tracks the total number of active HTTP sessions.

Key

Name: Key

Description: The total rows.

Registers

Name	Туре	Unit	Description
SessionAmount	gauge	_	The number of active HTTP sessions.

CAPIResourceUsage

Description

This measurement group tracks the total number of successful and failed responses.

Key

Name: ResourceType

Description: The CAPI resource.

Registers

Name	Туре	Unit	Description
SuccessfulResponses	counter	_	The number of successful responses.
FailedResponses	counter	_	The number of failed responses.

Ccmp

Description

The CCMP OM group tracks CCMP requests.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
SuccessfulCCMPReq uests	counter	_	The number of successful CCMP requests
FailedCCMPRequests	counter	_	The number of failed CCMP requests
TotalCCMPRequests	counter		The total number of CCMP requests

Conference

Description

General conference operational measurements.

Key

Name: Conference

Description: Conference

Name	Туре	Unit	Description
ServedConf	counter	_	The number of conferences that set up successfully. For example, the chairperson joined, or the conference started through the Fast Start feature.
CompletedConf	counter	_	The number of conferences that are completed, with all sessions closed successfully.

Name	Туре	Unit	Description
AbandonedConf	counter	_	The number of conferences where all users disconnected the call before the conference started.
CascadedConf	counter	_	The number of conferences that were cascaded at least once during the conference.
ConferenceMinutes	counter	_	The number of minutes that all conferences have used.
RecordingMinutes	counter	_	The number of minutes that all conferences are recorded.
ActiveConf	gauge	_	The number of conferences that are active.
ActiveCascadedConf	gauge	_	The number of cascaded conferences that are active.
ActiveRecordings	gauge	_	The number conference recordings that are active.
RecordedConf	counter	_	The number of conferences that are recorded at least once.

ConfByDuration

Description

This measurement group tracks conferences by the total duration.

Key

Name: Duration

Description: The range of duration of completed conferences. For example, <5 minutes, 6 to 15 minutes, 16 to 60 minutes, and >60 minutes.

Name	Туре	Unit	Description
Total	Counter	_	The number of conferences with the duration of each conference.
MeetMe	Counter	_	The number of MeetMe conferences with the duration of each conference.
AdHoc	Counter	_	The number of AdHoc conferences with the duration of each conference.
Event	Counter	_	The number of Event conferences with the duration of each conference.

ConfBySize

Description

This measurement group tracks conferences by the number of participants.

Key

Name: Size

Description: The range of the number of participants. For example, 1 to 2, 3 to 5, 6 to 10, 11 to 15, 16 to 25, and >25 users.

Registers

Name	Туре	Unit	Description
Total	Counter	_	The number of conferences with the number of participants in each conference.
MeetMe	Counter	_	The number of MeetMe conferences with the number of participants in each conference.
AdHoc	Counter	_	The number of AdHoc conferences with the number of participants in each conference.
Event	Counter	_	The number of Event conferences with the number of participants in each conference.

ConfClassAndQuality

Description

Conference Class And Quality OM Group — ConfClassAndQuality

Key

Name: Priority

Description: Priority of session

Name	Туре	Unit	Description
BelowRFactor70Sessi onsCounter	counter	_	The number of sessions that had an R-factor below 70
RFactor70to90Sessio nsCounter	counter	_	The number of sessions that had an R-factor in the range of 70 to 90
ExceedRFactor90Ses sionsCounter	counter	_	The number of sessions that had an R-factor exceed 90
BelowRFactor70Sessi ons	gauge	_	The number of sessions that had an R-factor below 70

Name	Туре	Unit	Description
RFactor70to90Sessio ns	gauge	_	The number of sessions that had an R-factor in the range of 70 to 90
ExceedRFactor90Ses sions	gauge	_	The number of sessions that had an R-factor exceed 90
AudioSessionsWithPa cketLoss	gauge	_	The number of audio sessions that had a packet loss
VideoSessionsWithPa cketLoss	gauge	_	The number of video sessions that had a packet loss
SessionsWithPacketL oss	gauge	_	The total number of sessions that had a packet loss
SessionsWithPacketL ossCounter	counter	_	The total number of sessions that had a packet loss

ConfLocBandwidth

Description

Conference Location Bandwidth OM Group — ConfLocBandwidth

Key

Name: Location

Description: Location of a session

Name	Туре	Unit	Description
AudioBwRqdRx	gauge	kbps	The requested audio bandwidth received
AudioBwNegRx	gauge	kbps	The negotiated audio bandwidth received
AudioBwActRx	gauge	kbps	The actual audio bandwidth received
AudioBwUserRqdRx	gauge	kbps	The user-requested audio bandwidth received
AudioBwRqdTx	gauge	kbps	The requested audio bandwidth transmitted
AudioBwNegTx	gauge	kbps	The negotiated audio bandwidth transmitted
AudioBwActTx	gauge	kbps	The actual audio bandwidth transmitted
AudioBwUserRqdTx	gauge	kbps	The user-requested audio bandwidth transmitted
VideoRqdRx	gauge	kbps	The requested video bandwidth received
VideoBwNegRx	gauge	kbps	The negotiated video bandwidth received
VideoBwActRx	gauge	kbps	The actual video bandwidth received
VideoUserRqdRx	gauge	kbps	The user-requested video bandwidth received
VideoRqdTx	gauge	kbps	The requested video bandwidth transmitted

Name	Туре	Unit	Description
VideoBwNegTx	gauge	kbps	The negotiated video bandwidth transmitted
VideoBwActTx	gauge	kbps	The actual video bandwidth transmitted
VideoUserRqdTx	gauge	kbps	The user-requested video bandwidth transmitted
TotalBwRqdRx	gauge	kbps	The total requested bandwidth received
TotalBwNegRx	gauge	kbps	The total negotiated bandwidth received
TotalBwActRx	gauge	kbps	The total actual bandwidth received
TotalBwUserRqdRx	gauge	kbps	The total user-requested bandwidth received
TotalBwRqdTx	gauge	kbps	The total requested bandwidth transmitted
TotalBwNegTx	gauge	kbps	The total negotiated bandwidth transmitted
TotalBwActTx	gauge	kbps	The total actual bandwidth transmitted
TotalBwUserRqdTx	gauge	kbps	The total user-requested bandwidth transmitted

ConfLocBandwidthSavings

Description

The total bandwidth saved for each location by media cascading.

Key

Name: Location

Description: Location of the session.

Name	Туре	Unit	Description
AudioTotalSavingsRx	gauge	kbps	The total bandwidth saved for the audio packets received.
AudioCascadedSavin gsRx	gauge	kbps	The total bandwidth saved for the cascaded audio packets received.
AudioBwImpactRx	gauge	kbps	The impact on bandwidth from the audio packets received.
AudioGapSavingsRx	gauge	kbps	The total bandwidth saved for the audio packets received gap.
AudioTotalSavingsTx	gauge	kbps	The total bandwidth saved for the audio packets transmitted.
AudioCascadedSavin gsTx	gauge	kbps	The total bandwidth save for the cascaded audio packets transmitted.
AudioBwImpactTx	gauge	kbps	The impact on bandwidth from the audio packets transmitted.

Name	Туре	Unit	Description
AudioGapSavingsTx	gauge	kbps	The total bandwidth saved for the audio packets transmitted gap.
VideoTotalSavingsRx	gauge	kbps	The total bandwidth saved for the video packets received.
VideoCascadedSavin gsRx	gauge	kbps	The total bandwidth saved for the cascaded video packets received.
VideoBwImpactRx	gauge	kbps	The impact on bandwidth from the video packets received.
VideoGapSavingsRx	gauge	kbps	The total bandwidth saved for the video packets received gap.
VideoTotalSavingsTx	gauge	kbps	The total bandwidth saved for the video packets transmitted.
VideoCascadedSavin gsTx	gauge	kbps	The total bandwidth save for the cascaded video packets transmitted.
VideoBwImpactTx	gauge	kbps	The impact on bandwidth from the video packets transmitted.
VideoGapSavingsTx	gauge	kbps	The total bandwidth saved for the audio packets transmitted gap.
TotalSavingsRx	gauge	kbps	The total bandwidth saved for the total packets received.
CascadedSavingsRx	gauge	kbps	The total bandwidth saved for the total cascaded packets received.
BwImpactRx	gauge	kbps	The impact on bandwidth from the total packets received.
GapSavingsRx	gauge	kbps	The total bandwidth saved for the total packets received gap.
TotalSavingsTx	gauge	kbps	The total bandwidth saved for the total packets transmitted.
CascadedSavingsTx	gauge	kbps	The total bandwidth saved for the total cascaded packets transmitted.
BwImpactTx	gauge	kbps	The impact on bandwidth from the total packets transmitted.
GapSavingsTx	gauge	kbps	The total bandwidth saved for the total packets transmitted gap.

ConfLocSessions

Description

 ${\it Conference\ Location\ Sessions\ OM\ Group-ConfLocSessions}$

Operational measurements

Key

Name: Location

Description: Location of a session

Registers

Name	Туре	Unit	Description
BelowRFactor70Sessi ons	gauge	_	The number of sessions that had an R-factor below 70
RFactor70to90Sessio ns	gauge	_	The number of sessions that had an R-factor in the range of 70 to 90
ExceedRFactor90Ses sions	gauge	_	The number of sessions that had an R-factor exceed 90
BelowRFactor70Sessi onsMediaServer	gauge	_	The number of media server sessions that had an R-factor below 70
RFactor70to90Sessio nsMediaServer	gauge	_	The number of media server sessions that had an R-factor in the range of 70 to 90
ExceedRFactor90Ses sionsMediaServer	gauge	_	The number of media server sessions that had an R-factor exceed 90
AudioSessionsWithPa cketLoss	gauge	_	The number of audio sessions that had a packet loss
VideoSessionsWithPa cketLoss	gauge	_	The number of video sessions that had a packet loss
SessionsWithPacketL oss	gauge	_	The total number of sessions that had a packet loss
AudioSessionsWithPa cketLossMediaServer	gauge	_	The number of media server audio sessions that had a packet loss
VideoSessionsWithPa cketLossMediaServer	gauge	_	The number of media server video sessions that had a packet loss
SessionsWithPacketL ossMediaServer	gauge	_	The total number of media server sessions that had a packet loss

ConfLocSessionTypes

Description

Conference Location Based Session Types OMs — ConfLocSessionTypes

Key

Name: Location

Description: Location of a session

Name	Туре	Unit	Description
AudioSessions	counter	_	The number of successful sessions that use audio
AudioSessionsMedia Server	counter	_	The number of successful media server sessions that use audio
VideoSessions	counter	_	The number of successful sessions that use video
VideoSessionsMedia Server	counter	_	The number of successful media server sessions that use video
WebCollabSessions	counter	_	The number of successful sessions that use web collaboration
AudioSessionsReject ed	counter	_	The number of audio sessions rejected with no session set up at a location
VideoSessionsReject ed	counter	_	The number of video sessions rejected during the session set up at a location
AudioSessionsReject edMediaServer	counter	_	The number of media server audio sessions rejected with no session set up at a location
VideoSessionsReject edMediaServer	counter		The number of media server video sessions rejected during the session set up at a location
ActiveAudioSessions	gauge	_	The number of active audio sessions
ActiveAudioSessions MediaServer	gauge	_	The number of active media server audio sessions
ActiveVideoSessions	gauge	_	The number of active video sessions
ActiveVideoSessions MediaServer	gauge	_	The number of active media server video sessions
ActiveWebCollabSess ions	gauge	_	The number of active web collaboration sessions
WaitSessions	gauge	_	The number of sessions in wait state
WaitSessionsMediaS erver	gauge	_	The number of media server sessions in wait state
DroppedSessions	counter	_	The number of successful sessions that are dropped due to unavailable network bandwidth or bandwidth optimization.
DroppedSessionsMed iaServer	counter	_	The number of successful media server sessions that are dropped due to unavailable network bandwidth or bandwidth optimization.
DowngradedSessions	counter	_	The number of sessions that are downgraded after the initial setup. Each session downgrade operation increments the counter by one.
DowngradedSessions MediaServer	counter	_	The number of media server sessions that are downgraded after the initial setup. Each session downgrade operation increments the counter by one.

Name	Туре	Unit	Description
NumberOfSessionDo wngrades	counter	_	The number of session downgrades at a location. Each session downgrade operation increments the counter by one.
NumberOfSessionDo wngradesMediaServe r	counter	_	The number of media session downgrades at a location. Each session downgrade operation increments the counter by one.
InvalidUserInput	counter	_	The number of sessions rejected due to invalid user input, such as an incorrect access code.

ConfSession

Description

Conference Session OMs

Key

Name: Priority

Description: Priority of a session

Name	Туре	Unit	Description
SessionSuccess	counter	_	A session successfully set up for a conference
SessionComplete	counter	_	A session that was previously counted as a success and is now closed
SessionAbandon	counter	_	The number of times that a user disconnected the call before a conference started
NoAudioPortAvail	counter	_	The number of sessions rejected due to audio port license
NoMediaServerAvail	counter	_	The number of sessions rejected due to media server unavailability
NotEnoughBandwidth	counter	_	The number of sessions rejected due to bandwidth unavailability
NoTranscodingGWAv ail	counter	_	The number of sessions rejected due to transcoding gateway unavailability
RejectedSessions	counter	_	The number of sessions rejected because of different reasons
TotalSessionsDowngr aded	counter	_	The number of session downgraded due to bandwidth
TotalSessionsUpgrad ed	gauge	_	The number of sessions upgraded due to bandwidth

Name	Туре	Unit	Description
SessionDowngradedB yLicense	counter	_	The number of sessions downgraded due to license
SessionsUpgraded	counter	_	The number of sessions upgraded once for the life of the session
NetworkDroppedSessi ons	counter	_	The number of network-initiated dropped sessions due to bandwidth or optimization
InvalidUserInput	counter		The number of sessions rejected due to invalid user input, such as an incorrect access code

ConfSessionTypes

Description

Conference session types OMs

Key

Name: Priority

Description: Priority of a session

Name	Туре	Unit	Description
AudioSessions	counter	_	The number of successful sessions that use audio in the call, including audio-only sessions and audio-video sessions
VideoSessions	counter	_	The number of successful sessions that use video in the call during a session
VideoSessionsWithC P	counter	_	The number of successful sessions that serve with Continuous Presence during a session
WebCollabSessions	counter	_	The number of successful sessions that use web collaboration during a session
ActiveAudioSessions	gauge	_	The number of active audio sessions
ActiveVideoSessions	gauge	_	The number of active video sessions
ActiveWebCollabSess ions	gauge	_	The number of active web collaboration sessions
AudioSessionsMinute s	gauge	_	The number of minutes that an audio session uses
VideoSessionsMinute s	gauge	_	The number minutes that a video session uses
WebSessionsMinutes	gauge	_	The number of minutes that a web session uses
WaitSessions	gauge	_	The number of sessions in wait state

ConfSessionUA

Description

This measurement group tracks the user sessions by the user agents.

Key

Name: UserAgent

Description: The user agent.

Registers

Name	Туре	Unit	Description
AudioSessions	counter	_	The number of successful sessions that involve audio, including the audio-only sessions, and the audio and video sessions.
VideoSessions	counter	_	The number of successful sessions that involve video at any point during the session.
WebCollabSessions	counter	_	The number of successful sessions that involve web collaboration at any point during the session.
TotalSessions	counter	_	The number of successful sessions that involve audio-only sessions, audio-video sessions, and video-only sessions.
ActiveAudioSessions	gauge	_	The number of active audio sessions.
ActiveVideoSessions	gauge	_	The number of active video sessions.
ActiveWebCollabSess ions	gauge	_	The number of active Web collaboration sessions.
ActiveTotalSessions	gauge	_	The number of active sessions.

ConfSessionByServers

Description

Conference server-based operational measurements.

Key

Name: AMS

Description: Name of AMS

Name	Туре	Unit	Description
NumConferences	counter	_	The number of conferences on a media server.

Name	Туре	Unit	Description
AudioSessions	counter	_	The number of audio sessions on a media server, including audio-only sessions and audio and video sessions.
VideoSessions	counter	_	The number of video sessions on a media server.
TranscodingSessions	counter	_	The number of transcoding sessions on a media server.
ActiveAudioSessions	gauge	_	The number of audio sessions that are active on a media server.
ActiveConferences	gauge	_	The number of conferences that are active on a media server.
ActiveSubConference s	gauge	_	The number of sub-conferences that are active on a media server.
ActiveRecordings	gauge	_	The number of conference recordings that are active on a media server.
ActiveTranscodingSes sions	gauge	_	The number of transcoding sessions that are active on a media server.
ActiveVideoSessions	gauge	_	The number of video sessions that are active on a media server.
WaitSessions	gauge	_	The number of sessions that are in the wait state on a media server.

ConfSessionByWcs

Description

Web Conference Server OMs — ConfSessionByWcs

Key

Name: WCS

Description: Name of WCS

Name	Туре	Unit	Description
NumConferences	counter	_	The number of conferences on a web conference server
WebCollabSessions	counter		The number of web collaboration sessions on a web conference server
ActiveConferences	gauge	_	The number of active web conferences
ActiveWebCollabSess ions	gauge	_	The number of active web collaboration sessions

ConfTotalBandwidth

Description

The total bandwidth used by conferences.

Key

Name: Total

Description: The total bandwidth used.

Name	Туре	Unit	Description
AudioBwUserRqdRx	gauge	kbps	The total audio requested bandwidth received by a user.
AudioBwRqdRx	gauge	kbps	The total audio bandwidth received by the connection.
AudioBwNegRx	gauge	kbps	The total audio bandwidth negotiated received.
AudioBwActRx	gauge	kbps	The actual audio bandwidth received.
AudioBwUserRqdTx	gauge	kbps	The total audio requested bandwidth transmitted by a user.
AudioBwRqdTx	gauge	kbps	The total audio bandwidth transmitted by the connection.
AudioBwNegTx	gauge	kbps	The total audio bandwidth negotiated transmitted.
AudioBwActTx	gauge	kbps	The actual audio bandwidth transmitted.
VideoUserRqdRx	gauge	kbps	The total video requested bandwidth received by a user.
VideoRqdRx	gauge	kbps	The total video bandwidth received by the connection.
VideoBwNegRx	gauge	kbps	The total video bandwidth negotiated received.
VideoBwActRx	gauge	kbps	The actual video bandwidth received.
VideoUserRqdTx	gauge	kbps	The total video requested bandwidth transmitted by a user.
VideoRqdTx	gauge	kbps	The total video bandwidth transmitted by the connection.
VideoBwNegTx	gauge	kbps	The total video bandwidth negotiated transmitted.
VideoBwActTx	gauge	kbps	The actual video bandwidth transmitted.
TotalBwUserRqdRx	gauge	kbps	The total requested bandwidth received by a user.
TotalBwRqdRx	gauge	kbps	The total bandwidth received by the connection.
TotalBwUserRqdTx	gauge	kbps	The total requested bandwidth transmitted by a user.
TotalBwRqdTx	gauge	kbps	The total bandwidth transmitted by the connection.
TotalBwNegRx	gauge	kbps	The total video bandwidth negotiated received.

Name	Туре	Unit	Description
TotalBwNegTx	gauge	kbps	The total video bandwidth negotiated transmitted.
TotalBwActRx	gauge	kbps	The actual bandwidth received.
TotalBwActTx	gauge	kbps	The actual bandwidth transmitted.

ConfTotalBandwidthSavings

Description

The total bandwidth saved by conferences.

Key

Name: Total

Description: The total bandwidth used.

Name	Туре	Unit	Description
AudioTotalSavingsRx	gauge	kbps	The total bandwidth saved for the audio packets received.
AudioCascadedSavin gsRx	gauge	kbps	The total bandwidth saved for the cascaded audio packets received.
AudioBwImpactRx	gauge	kbps	The impact on bandwidth from the audio packets received.
AudioGapSavingsRx	gauge	kbps	The total bandwidth saved for the audio packets received gap.
AudioTotalSavingsTx	gauge	kbps	The total bandwidth saved for the audio packets transmitted.
AudioCascadedSavin gsTx	gauge	kbps	The total bandwidth save for the cascaded audio packets transmitted.
AudioBwImpactTx	gauge	kbps	The impact on bandwidth from the audio packets transmitted.
AudioGapSavingsTx	gauge	kbps	The total bandwidth saved for the audio packets transmitted gap.
VideoTotalSavingsRx	gauge	kbps	The total bandwidth saved for the video packets received.
VideoCascadedSavin gsRx	gauge	kbps	The total bandwidth saved for the cascaded video packets received.
VideoBwImpactRx	gauge	kbps	The impact on bandwidth from the video packets received.
VideoGapSavingsRx	gauge	kbps	The total bandwidth saved for the video packets received gap.

Name	Туре	Unit	Description
VideoTotalSavingsTx	gauge	kbps	The total bandwidth saved for the video packets transmitted.
VideoCascadedSavin gsTx	gauge	kbps	The total bandwidth save for the cascaded video packets transmitted.
VideoBwImpactTx	gauge	kbps	The impact on bandwidth from the video packets transmitted.
VideoGapSavingsTx	gauge	kbps	The total bandwidth saved for the audio packets transmitted gap.
TotalSavingsRx	gauge	kbps	The total bandwidth saved for the total packets received.
CascadedSavingsRx	gauge	kbps	The total bandwidth saved for the total cascaded packets received.
BwImpactRx	gauge	kbps	The impact on bandwidth from the total packets received.
GapSavingsRx	gauge	kbps	The total bandwidth saved for the total packets received gap.
TotalSavingsTx	gauge	kbps	The total bandwidth saved for the total packets transmitted.
CascadedSavingsTx	gauge	kbps	The total bandwidth saved for the total cascaded packets transmitted.
BwImpactTx	gauge	kbps	The impact on bandwidth from the total packets transmitted.
GapSavingsTx	gauge	kbps	The total bandwidth saved for the total packets transmitted gap.

ConfTypeLocBandwidth

Description

Conference Type Bandwidth OM Group — ConfTypeLocBandwidth

Key

Name: Location

Description: Location of a session

Name	Туре	Unit	Description
AudioNetworkBWUsa ge	gauge	%	Total network bandwidth usage
MultimediaNetworkB WUsage	gauge	%	Multimedia network bandwidth usage

CPCheckpoint

Description

The CPCheckpoint OM group is a usage counter on the inactive Avaya Aura® Conferencing Application Server. This OM tracks the number of calls that the inactive application server is checkpointing. If a failover occurs, these calls survive the failover.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
CheckpointedCalls	gauge	_	The number of checkpointed calls.

DatabaseDiskIO

Description

Summary of disk blocks read by the database

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
HeapBlocks	counter	_	The summary of disk heap blocks read
IndexBlocks	counter	_	The summary of disk index blocks read
ToastBlocks	counter	_	The summary of disk toast blocks read
TempIndexBlocks	counter	_	The summary of disk temporary index blocks read

DatabaseIncomingBatches

Description

Summary of incoming replication batches processed by the database

Kev

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
SentEntries	counter	_	Number of sent replication entries in incoming batches
NewEntries	counter	_	Number of new replication entries in incoming batches
LoadingEntries	counter	_	Number of loading replication entries in incoming batches
ProcessedEntries	counter	_	Number of processed entries in incoming batches
ErrorEntries	counter	_	Number of entries that caused errors in incoming batches

DatabaseIncomingTiming

Description

Summary of the amount of time spent by the database on processing incoming replication batches

Key

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
NetworkTime	counter	_	The amount of time spent on transferring a batch through the network
FilterTime	counter	_	The amount of time spent in filter including conflict resolution
DatabaseTime	counter	_	The amount of time spent to process incoming entries in the database

DatabaseMemoryIO

Description

Summary of memory blocks read by the database

Key

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
HeapBlocks	counter		The summary of memory heap blocks read
IndexBlocks	counter	_	The summary of memory index blocks read
ToastBlocks	counter	_	The summary of memory toast blocks read
TempIndexBlocks	counter	_	The summary of memory temporary index blocks read

DatabaseOutgoingBatches

Description

Summary of outgoing replication batches processes by the database

Key

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
SentEntries	counter	_	Number of sent replication entries in outgoing batches
NewEntries	counter	_	Number of new replication entries in outgoing batches
LoadingEntries	counter	_	Number of loading replication entries in outgoing batches
ProcessedEntries	counter	_	Number of processed entries in outgoing batches
ErrorEntries	counter	_	Number of entries that caused errors in outgoing batches

DatabaseOutgoingTiming

Description

Summary of the amount of time spent by the database in processing outgoing replication batches

Key

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
LoadTime	counter	_	The amount of time spent on loading an entry from the database
FilterTime	counter	_	The amount of time spent in filter including conflict resolution
NetworkTime	counter	_	The amount of time spent on transferring a batch through the network
RouterTime	counter	_	The amount of time spent in the router
ExtractTime	counter	_	The amount of time spent on batch extraction

DatabaseReplicationSummary

Description

Summary of database replication operations

Key

Name: Database

Description: Database name

Registers

Name	Туре	Unit	Description
ReloadOperations	counter	_	The number of reload operations performed by the replication software
InsertOperations	counter	_	The number of insert database operations performed by the replication software
UpdateOperations	counter	_	The number of update database operations performed by the replication software
DeleteOperations	counter	_	The number of delete database operations performed by the replication software

DatabaseSummary

Description

Summary of disk usage by the database

Key

Name: DBName

Description: Database name

Registers

Name	Туре	Unit	Description
TotalDiskSpace	gauge	bytes	Total disk space
MinDiskSpaceUtilizati on	gauge	bytes	Minimum disk space utilized during the period
MedianDiskSpaceUtili zation	gauge	bytes	Median disk space utilized during the period
MaxDiskSpaceUtilizati on	gauge	bytes	Maximum disk space utilized during the period

DatabaseSystemOperations

Description

Summary of operations performed by the database

Key

Name: Database

Description: Database name

Name	Туре	Unit	Description
Commits	counter	_	Number of commit operations
Rollbacks	counter	_	Number of rollback operations
Inserts	counter	_	Number of insert operations
Updates	counter	_	Number of update operations
Deletes	counter	_	Number of delete operations
SequenceScans	counter		Number of sequence scans
SequenceReads	counter	_	Number of sequence reads
IndexScans	counter	_	Number of index scans
IndexFetchs	counter	_	Number of index fetches

DBFramework

Description

The DBFramework OM group provides performance data about the use of cached database resources. These measurements provide valuable raw data that you can use to engineer the cache sizes for various system configurations.

Key

Name: DBInstanceId

Description: Database instance ID

Registers

Name	Туре	Unit	Description
ConnectionsInUse	gauge	_	The number of connections in use by the application software
ConnectionsAttempte d	counter	_	The number of requests for cached connections that the application software performs. These requests include unsuccessful requests.
ConnectionsServed	counter	_	The number of successful requests for cached connections the application software performed
ThreadsWaiting	gauge	_	The number of application threads waiting for an available connection
StatementCacheHit	counter	_	The number of times a prepared statement was found in the statement cache
StatementCacheMiss	counter	_	The number of times a prepared statement was not found in the statement cache

DBPerformance

Description

The DBPerformance OM group provides performance data about the amount of time required to perform database queries and updates. The system captures timestamps at the beginning and end of each database operation.

Key

Name: TimeRange

Description: Time range

Name	Туре	Units	Description
Execute	counter	_	The number of stored procedure executions

Name	Туре	Units	Description
Query	counter	_	The number of queries
Update	counter	_	The number of updates. For example, SQL insert, update, or delete
Batch	counter	_	The number of batch operations

DCSAvgDocSize

Description

This measurement group tracks the size of each document that Document Conversion Server receives for document conversions.

Key

Name: AvgDocSize

Description: The size of the document.

Registers

Name	Туре	Unit	Description
ConversionsByDocSize	counter	_	The average size of documents that Document
			Conversion Server receives for document conversions.

DCSConversions

Description

This measurement group tracks the resources of Document Conversion Server.

Key

Name: Key

Description: The row for the NE instance.

Name	Туре	Unit	Description
ConvertedPDFs	counter	_	The number of PDFs successfully converted.
ConvertedWords	counter	_	The number of Microsoft Word documents successfully converted.
ConvertedPPTs	counter	_	The number of Microsoft PowerPoint documents successfully converted.

Name	Туре	Unit	Description
ConvertedExcels	counter	_	The number of Microsoft Excel documents successfully converted.

DCSConversionRequests

Description

The DCSConversionRequests OM group captures the number of incoming conversion requests, the high and low levels of active requests waiting in the gueue, and the number of failed requests.

Key

Name: Key

Description: The row for the NE instance.

Registers

Name	Туре	Unit	Description
ConversionRequests	Counter	_	The number of document conversion requests that Document Conversion Server receives.
FailedConversions	Counter	_	The number of document conversion requests that Document Conversion Server failed to complete.
ActiveConvRequests	Gauge	_	The number of active document conversion requests that Document Conversion Server is processing.

DCSConversionTime

Description

This measurement group tracks the time that Document Conversion Server takes for document conversions. Document Conversion Server records the timestamps immediately before and after each document conversion operation.

Key

Name: TimeRange

Description: The time range.

Name	Туре	Unit	Description
ConversionsByTimeRang	counter	_	The time that Document Conversion Server requires for
е			document conversions.

DNS

Description

The DNS OM group measures the outcome of performing an external DNS query attempt to resolve an FQDN.

Key

Name: DNSQuery

Description: An external DNS query

Registers

Name	Туре	Unit	Description
QueryCount	Counter	_	The number of DNS queries sent to an external DNS server.
QueryTimeOutCount	Counter	_	The number of DNS queries that timed out because there was no response from the external DNS server.
QueryNoResultCount	Counter	_	The number of DNS queries for which there was no entry in the external DNS server.

DNSPJM

Description

The Domain Name Server Persistence Job Manager (DNSPJM) OM group measures the performance of DNS Persistence Job Manager . DNSPJM is a software subsystem that queries DNS on behalf of call-processing tasks.

Key

Name: Key

Description: Row key

Name	Туре	Unit	Description
QueueSize	gauge	_	The number of persistence jobs in the DNSPJM queue.
JobsAttempted	counter	_	The number of attempts to add a job on the DNSPJM queue.
JobsServed	counter	_	The number of successful attempts to add a job on the DNSPJM queue.

FormatSystem

Description

The FormatSystem OM group measures various task queue objects in the formatting framework. The information provided captured by this OM group has no value for customers. Avaya engineers use the OM group to modify engineering parameters.

Key

Name: EventStreamNode

Description: Event stream node

Registers

Name	Туре	Unit	Description
Events	gauge	_	The number of formatting events currently in the task queue
EventsHandled	counter	_	The number of formatting events that the system handles during the reporting period
EventsPosted	counter	_	The number of formatting events that the system successfully posts to the task queue during the reporting period
RejectFull	counter	_	The number of formatting events that the system does not post to the task queue because the task mailbox capacity is exhausted
RejectInactive	counter	_	The number of formatting events that the system does not post to the task queue because the task is deactivated

FTP

Description

The FTP OM group provides information about configured FTP push operations that are configured against the accounting or log formatting rules.

Key

Name: RecordSystemType

Description: Recording system type. For example, log, om, and acct

Name	Туре	Unit	Description
Directories	gauge	_	The number of directories which have files scheduled for FTP transmission

Name	Туре	Unit	Description
FilesXmitted	counter	_	The number of files that were successfully sent during this reporting period

IncomingCall

Description

The IncomingCall OM group collects statistics of incoming calls.

Key

Name: Event

Description: Row key

Registers

Name	Туре	Unit	Description
Ims	counter	_	The number of calls that originated from the IMS network
SslClientOrig	counter	_	The number of SSL client originated calls
SslCoreOrig	counter	_	The number of SSL network originated calls
SipClientOrig	counter	_	The number of SIP client originated calls
SipServerOrig	counter	_	The number of SIP server originated calls
Total	counter	_	The number of total calls

IOChannel

Description

The IOChannel OM group provides data about the usage of IOCs.

Key

Name: ResourceName

Description: Resource name

Name	Туре	Unit	Description
Activated	counter		The number of activated IOCs
Closed	counter	_	The number of deactivated IOCs
InUse	gauge	_	The number of IOCs in use

JvmGarbageCollection

Description

The JvmGarbageCollection OM group collects statistics for JVM Garbage collection.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
YoungGen	gauge	_	The size of Young generation heap
OldGen	gauge	_	The size of Old generation heap
PermGen	gauge	_	The size of Perm generation heap
AllocRate	gauge	_	The allocation rate
CollectionRate	gauge	_	The collection rate
PromotionRate	gauge	_	The promotion rate

JvmMemory

Description

The JvmMemory OM group collects statistics for JVM Memory usage.

Key

Name: Key

Description: Row key

Name	Туре	Unit	Description
ClassUsage	gauge		The number of loaded classes
ClassHeapUsage	gauge	_	The size of Heap used by classes
MemoryUsage	gauge	_	The total Memory used
MemoryHeapUsage	gauge		The size of Heap

JvmThreads

Description

The JvmThreads OM group collects statistics of the JVM Thread usage.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
CurrentThreads	gauge	_	The total number of threads
ActiveThreads	gauge	_	The number of active threads
FinishedThreads	gauge	_	The number of finished threads
LockedThreads	gauge	_	The number of blocked threads

LDAPPJM

Description

The LDAP Persistence Job Manager (LDAPPJM) OM group measures the performance of LDAP Persistence Job Manager. LDAPPJM is a software subsystem that performs LDAP queries on behalf of call-processing tasks.

Key

Name: Key

Description: Row key

Name	Туре	Unit	Description
QueueSize	gauge	_	The number of persistence jobs in the LDAPPJM queue.
JobsAttempted	counter		The number of attempts to add a job on the LDAPPJM queue.
JobsServed	counter	_	The number of successful attempts to add a job on the LDAPPJM queue.

Library

Description

The Library operational measurements group provides statistics of the Web collaboration library.

Key

Name: Volume

Description: The volume of the user library.

Registers

Name	Туре	Unit	Description
LibraryCapacityUsed	gauge	%	Measures the fraction of the disk space engineered for the collaboration library that is in use

LogBrowserConn

Description

The LogBrowserConn OM group provides information about the delivery of log records sent to EM GUI instances that have launched log browser windows.

Key

Name: Client

Description: GUI host and port

Name	Туре	Unit	Description
Events	gauge	_	The number of log records in the queue for transmission to the given client.
EventsHandled	counter	_	The number of log records that are transmitted to the given client during this reporting period.
EventsPosted	counter	_	The number of log records that were attempted to be queued for transmission to the given client during this reporting period.
EventsOverflowed	counter	_	The number of log records that were removed from the transmission queue for the given client. The log records are removed because of queue overflow in a particular reporting period.

LogThrottler

Description

This group collect statistics only for logs. For example, logs sent and logs throttled. The system collects log statistics as part of the Log Throttling activity in Architectural Improvements. With this feature, the system does not display logs beyond a certain threshold.

Key

Name: LogID

Description: Log ID

Registers

Name	Туре	Unit	Description
LogsSent	counter	_	The number of logs sent during the interval.
LogsThrottled	counter	_	The number of logs that are not generated during the interval. The system generates a separate log at the end of the interval. This separate log indicates the number of logs that are throttled, which is the value of <i>logsThrottled</i> .

MsgVal

Description

The MsgVal OM group captures counters for the Message Validator service.

Key

Name: The short name of NE.

Description: The short name of NE.

Registers

Name	Туре	Unit	Description
IllegalEncryptedIMCnt	Counter	_	The number of messages rejected due to the unsupported encryption setting: nt-im-2.0.

NBServerFeedConn

Description

The NBServerFeedConn OM group provides Information about inbound client connections to a configured northbound feed accounting or log formatting rules.

Key

Name: NBFeedId

Description: Northbound feed ID. This ID consists of the NB feed rule name, local listening

address, and port

Registers

Name	Туре	Unit	Description
Accepted	gauge		The number of NBServerFeed client connections that are accepted in this reporting period.
RejectedNotInAcl	gauge	_	The number of NBServerFeed client connections that are rejected in this reporting period because the IP address of the potential client is not in ACL.
RejectedTooManyFro mAddr	gauge	_	The number of rejected NBServerFeed client connections because the number of simultaneous sessions configured for the IP address of the client is exhausted.
RemoteDisconnected	gauge	_	The number of ACL-controlled client session disconnections that occurr during this reporting period.

NBServerFeedStat

Description

The NBServerFeedStat OM group counts transmission statistics for an NBFeed connection

Key

Name: NBFeedId

Description: Northbound feed ID. This ID consists of NB feed rule name, local listening address,

and port

Name	Туре	Units	Description
Attempted	counter	_	The number of records we have attempted to send to the remote client during this collection period.
Sent	counter	_	The number of records that we have successfully sent to the remote client during this collection period. This value must be less than or equal to the Attempted register.
LossRecordsSent	counter	_	The number of loss records that we have sent to the remote client during this collection period. The system generates loss records when ACL Validation is enabled.

Name	Туре	Units	Description
DroppedCommDown	counter	_	The number of records not sent to the remote client during this collection period because the client is connected to the server. This register is only pegged when ACL Validation is enabled.
Queued	gauge	_	The number of records that are in queue for sending to the remote client.

OPI

Description

The OPI OM group creates an OM row for every Open Provisioning Interface (OPI) method that the OPI client invokes on the server. The only register methodInvokeCount indicates the number of times an OPI method is invoked.

Key

Name: Method

Description: Method name

Registers

Name	Туре	Unit	Description
MethodInvokeCount	counter	_	The number of times a client invokes a method in the last office period.
MethodSuccessInvok eCount	counter	_	The number of times the SOPI method is successfully invoked.
MethodFailureInvoke Count	counter	_	The number of times the SOPI method has failed to invoke.

PJM

Description

The Persistence Job Manager (PJM) OM group measures the performance of Persistence Job Manager. PJM is a software subsystem that performs database queries on behalf of call-processing tasks.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
QueueSize	gauge		The number of persistence jobs in the PJM queue
JobsAttempted	counter	_	The number of attempts to add a job on the PJM queue
JobsServed	counter	_	The number of successful attempts to add a job on the PJM queue

Publish

Description

The Publish OM group provides counters for the use of the PUBLISH service.

Key

Name: Key

Description: Row key

Name	Туре	Unit	Description
PubCreationSucc	counter	_	Successful creation of event state. This means that a PUBLISH request was received and caused new state information to be created for a particular resource. Use this OM to verify that EPAs are not creating new event state information excessively.
PubRefreshSucc	counter	_	Successful refresh of event state. This means that a PUBLISH request was received that caused existing state information to be refreshed like a contact registration.
PubModifySucc	counter	_	Successful modification of event state. This means that an existing piece of event state information was successfully changed to a new value.
PubRemoveSucc	counter	_	Successful removal of event state. This means that an existing piece of event state information was successfully removed from the system instead of the event state expiring
PubProxyReject	counter	_	Rejection of PUBLISH requests due to the resource not residing in a local domain. This OM can be used to determine if non-subscribers are attempting to address the ESC with a resource that cannot be proxied and is otherwise unknown to the system.

Name	Туре	Unit	Description
PubEtagReject	counter	_	Rejection of PUBLISH requests due to entity-tag checking. For example, responses like 400 and 412. This OM can be used to determine if EPAs are correctly tracking the entity-tags present in the responses to their PUBLISH requests for protocol verification.
PubExpireReject	counter	_	Rejection of PUBLISH requests due to invalid expiration interval. For example, 423 responses. This OM captures the number of publications rejected because the expiry period of the publication was below the operator-defined minimum expiry threshold.
PubAtomReject	counter	_	Rejection of PUBLISH requests due to back-end processing failures. For example, 504 responses. This OM captures the number of publications rejected because the publication could only be partially processed due to atomicity errors on Avaya Aura® Conferencing Application Server.
PubProxied	counter	_	Use this OM to determine if the network topology is laid out correctly, and that publications are not being proxied excessively or unexpectedly through a particular Avaya Aura® Conferencing Application Server.

RecordingSystem

Description

The RecordingSystem OM group contains OMs related to the recording system that writes OAM records into files.

Key

Name: Directory

Description: Directory

Name	Туре	Unit	Description
ClosedFileCount	gauge	_	The number of closed files in the spool directory of a particular stream and a particular system. Files in the spool directory store the raw OAM records, and send the records to Element Manager for formatting.
ProcessedFileCount	gauge	_	The number of processed files in the spool directory of a particular stream and a particular

Name	Туре	Unit	Description
			system. Files in the spool directory store the raw OAM records, and send the records to Element Manager for formatting.

RecordStreamCollector

Description

The RecordStreamCollector OM group contains OM counters that monitor the performance of standard record stream record collectors on Element Managers. Each particular stream and particular system, such as log, OM, and accounting, contains a particular OM row.

Key

Name: ReportingEntityId

Description: Reporting entity ID

Name	Туре	Unit	Description
RecordsReceived	counter	_	The number of OAM records received.
AckSent	counter	_	The number of acknowledgements sent to indicate the transfer of record succeeded.
NackSent	counter	_	The number of acknowledgements sent to indicate the transfer of record failed.
QueryReceived	counter	_	The number of queries received for its status.
TotalBytesRecv	counter	_	The number of bytes received.
TotalBytesSquaredRe cv	counter	_	The square of the total bytes received.
BytesRecvVariance	counter	_	The variance of the total bytes received.
BytesRecvMean	counter	_	The mean of the total bytes received. The system derives the mean value from the following equation:
			totalBytesRecv/recordsReceived

RecordStreamSender

Description

The RecordStreamSender OM group contains OM counters to monitor the performance of standard record streams for each network element instance. Each particular stream and particular system contains a particular OM row.

Key

Name: RecordStreamID **Description:** Row key

Registers

Name	Туре	Unit	Description
AcksReceived	counter	_	The number of acknowledgements received from Element Manager, which indicates the transfer of records succeeded.
NacksReceived	counter	_	The number of acknowledgements received from Element Manager, which indicates the transfer of records failed.
RecordSent	counter	_	The number of OAM records sent to Element Manager.
TotalBytesSent	counter	_	The number of bytes sent.
TotalBytesSquaredSe nt	counter	_	The square of the total bytes sent. This register is set to zero if its value overflowed during the collection period.
BytesSentVariance	counter	_	The variance of the bytes sent.
BytesSentMean	counter	_	The mean of the bytes sent. The system derives the mean value with the following equation: totalBytesSent/recordsSent

ServerCpuAndMemory

Description

The ServerCpuAndMemory OM group captures the CPU occupancy statistics and memory usage statistics for the server. Using information the server monitor receives from SNMP queries, the server monitor computes the average CPU occupancy of the server at an interval of 10 seconds.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
MinCpuOccupancy	gauge	%	In a given OM collection period, this register tracks the minimum sampled value of the CPU occupancy.
MedianCpuOccupanc y	gauge	%	In a given OM collection period, this register tracks the median sampled value of the CPU occupancy.
MaxCpuOccupancy	gauge	%	In a given OM collection period, this register tracks the maximum sampled value of the CPU occupancy.
TotalRam	gauge	bytes	In a given OM collection period, this register tracks the latest sampled value obtained for the total RAM on the server.
MinRamUtilization	gauge	%	In a given OM collection period, this register tracks the minimum sampled value of the RAM utilization.
MedianRamUtilization Value	gauge	%	In a given OM collection period, this register tracks the median sampled value of the RAM utilization.
MaxRamUtilizationVal ue	gauge	%	In a given OM collection period, this register tracks the maximum sampled value of the RAM utilization.
TotalSwap	gauge	bytes	In a given OM collection period, this register tracks the latest sampled value obtained for the total swap space on the server.
MinSwapUtilization	gauge	%	In a given OM collection period, this register tracks the minimum sampled value of the swap space utilization.
MedianSwapUtilizatio nValue	gauge	%	In a given OM collection period, this register tracks the median sampled value of the swap space utilization.
MaxSwapUtilizationVa lue	gauge	%	In a given OM collection period, this register tracks the maximum sampled value of the swap space utilization

ServerInterface

Description

The ServerInterface OM group captures bandwidth usage information and other statistics for each configured physical interface of the server. The server monitor queries the server for interface statistics every 10 seconds.

Key

Name: InterfaceID

Description: Interface ID

Registers

Name	Туре	Unit	Description
MinUtilization	gauge	%	The server monitor queries the server for interface statistics every 10 seconds.
MedianUtilization	gauge	%	In a given OM collection period, this register tracks the median sampled value of the interface utilization for the physical interface.
MaxUtilization	gauge	%	In a given OM collection period, this register tracks the maximum sampled value of the interface utilization for the physical interface.
InOctets	counter	_	In a given OM collection period, this counter tracks the number of octets received on the interface.
OutOctets	counter	_	In a given OM collection period, this counter tracks the number of octets transmitted out of the interface.
InErrorPkts	counter	_	In a given OM collection period, this counter tracks the number of inbound packets that contained errors that prevented them from being delivered to a higher-layer protocol.
OutErrorPkts	counter	_	In a given OM collection period, this counter tracks the number of outbound packets that were not transmitted because of errors.
InDiscardPkts	counter	_	In a given OM collection period, this counter tracks the number of inbound packets that the system discarded, even though they contained no errors, to prevent their delivery to a higher-layer protocol.
OutDiscardPkts	counter	_	In a given OM collection period, this counter tracks the number of outbound packets that the system discarded even though they contained no errors to prevent their transmission.

ServerPartition

Description

The ServerPartition OM group captures bandwidth usage information and other statistics for each partition of the server. The server monitor queries the server for partition usage information every 60 seconds.

Key

Name: PartitionName

Description: Partition name

Registers

Name	Туре	Unit	Description
TotalSize	gauge	bytes	In a given OM collection period, this register displays the latest sampled value of the partition size in bytes.
MinUtilization	gauge	%	In a given OM collection period, this register tracks the minimum sampled value of the partition utilization for the server partition.
MedianUtilization	gauge	%	In a given OM collection period, this register tracks the median sampled value of the partition utilization for the server partition.
MaxUtilization	gauge	%	In a given OM collection period, this register tracks the maximum sampled value of the partition utilization for the server partition.

ServerProcessorLoad

Description

The ServerProcessorLoad OM group captures the average processor load on each processor of the server. The Server OM groups capture information about the hardware performance of individual server platforms on which the software runs.

Key

Name: ProcessorName

Description: Processor name

Name	Туре	Unit	Description
MinimumLoad	gauge	_	In a given OM collection period, this register tracks the minimum sampled value of the load on the processor.
MedianLoad	gauge	_	In a given OM collection period, this register tracks the median sampled value of the load on the processor.
MaximumLoad	gauge	_	In a given OM collection period, this register tracks the maximum sampled value of the load on the processor.

Session

Description

The Session OM group tracks counters for IP Telephony transactions that Application Server processes.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
OrigAttempt	counter	_	The number of origination attempts
Termination	counter	_	The number of connections that are disconnected
SessionAbandon	counter	_	The number of abandoned connection attempts. For example, timeout or declined calls
SessionError	counter	_	The number of abandoned connection attempts and the number of connections lost with the terminating device

SipDelay

Description

The SIP_Delay_Report OM group provides information about the amount of time taken to process SIP transactions on a network element.

Key

Name: Method

Description: Method name

Name	Туре	Unit	Description
_25ms	counter	_	The number of transactions of the specified type that are completed in 25 milliseconds or less.
_50ms	counter	_	The number of transactions of the specified type that are completed in more than 25 milliseconds but less than or equal to 50 milliseconds.
_100ms	counter	_	The number of transactions of the specified type that are completed in more than 50 milliseconds but less than or equal to 100 milliseconds.

Name	Туре	Unit	Description
_125ms	counter	_	The number of transactions of the specified type that are completed in more than 100 milliseconds but less than or equal to 125 milliseconds.
_150ms	counter	_	The number of transactions of the specified type that are completed in more than 125 milliseconds but less than or equal to 150 milliseconds.
_175ms	counter	_	The number of transactions of the specified type that are completed in more than 150 milliseconds but less than or equal to 175 milliseconds.
_200ms	counter	_	The number of transactions of the specified type that are completed in more than 175 milliseconds but less than or equal to 200 milliseconds.
_250ms	counter	_	The number of transactions of the specified type that are completed in more than 200 milliseconds but less than or equal to 250 milliseconds.
_300ms	counter	_	The number of transactions of the specified type that are completed in more than 250 milliseconds but less than or equal to 300 milliseconds.
_350ms	counter	_	The number of transactions of the specified type that are completed in more than 300 milliseconds but less than or equal to 350 milliseconds.
_400ms	counter	_	The number of transactions of the specified type that are completed in more than 350 milliseconds but less than or equal to 400 milliseconds.
_450ms	counter	_	The number of transactions of the specified type that are completed in more than 400 milliseconds but less than or equal to 450 milliseconds.
_500ms	counter	_	The number of transactions of the specified type that are completed in more than 450 milliseconds but less than or equal to 500 milliseconds.
_550ms	counter	_	The number of transactions of the specified type that are completed in more than 500 milliseconds but less than or equal to 550 milliseconds.
_600ms	counter	_	The number of transactions of the specified type that are completed in more than 550 milliseconds but less than or equal to 600 milliseconds.
_650ms	counter	_	The number of transactions of the specified type that are completed in more than 600 milliseconds but less than or equal to 650 milliseconds.
_700ms	counter	_	The number of transactions of the specified type that are completed in more than 650 milliseconds but less than or equal to 700 milliseconds.

Name	Type	Unit	Description
_750ms	counter	_	The number of transactions of the specified type that are completed in more than 700 milliseconds but less than or equal to 750 milliseconds.
_800ms	counter	_	The number of transactions of the specified type that are completed in more than 750 milliseconds but less than or equal to 800 milliseconds.
_850ms	counter	_	The number of transactions of the specified type that are completed in more than 800 milliseconds but less than or equal to 850 milliseconds.
_900ms	counter	_	The number of transactions of the specified type that are completed in more than 850 milliseconds but less than or equal to 900 milliseconds.
_950ms	counter	_	The number of transactions of the specified type that are completed in more than 900 milliseconds but less than or equal to 950 milliseconds.
_1000ms	counter	_	The number of transactions of the specified type that are completed in more than 950 milliseconds but less than or equal to 1000 milliseconds.
_1250ms	counter	_	The number of transactions of the specified type that are completed in more than 1000 milliseconds but less than or equal to 1250 milliseconds.
_1500ms	counter	_	The number of transactions of the specified type that are completed in more than 1250 milliseconds but less than or equal to 1500 milliseconds.
_1750ms	counter	_	The number of transactions of the specified type that are completed in more than 1500 milliseconds but less than or equal to 1750 milliseconds.
_2000ms	counter	_	The number of transactions of the specified type that are completed in more than 1750 milliseconds but less than or equal to 2000 milliseconds.
_3000ms	counter	_	The number of transactions of the specified type that are completed in more than 2000 milliseconds but less than or equal to 3000 milliseconds.
_4000ms	counter	_	The number of transactions of the specified type that are completed in more than 3000 milliseconds but less than or equal to 4000 milliseconds.
_8000ms	counter	_	The number of transactions of the specified type that are completed in more than 4000 milliseconds but less than or equal to 8000 milliseconds.
_16000ms	counter	_	The number of transactions of the specified type that are completed in more than 8000 milliseconds but less than or equal to 16000 milliseconds.

Name	Туре	Unit	Description
_32000ms	counter	_	The number of transactions of the specified type that are completed in more than 16000 milliseconds.

SipIncomingResponses

Description

The SIP_Inbound_Response_Report OM group consists of a set of rows. Each row contains an identical set of peg registers.

Key

Name: Method

Description: Method name

Name	Туре	Unit	Description
_200	counter	_	The number of 200 OK responses received in the current Office Transfer Period.
_202	counter	_	The number of 202 Accepted responses received in the current Office Transfer Period.
_300	counter	_	The number of 300 Multiple Choices responses received in the current Office Transfer Period.
_301	counter		The number of 301 Moved Permanently responses received in the current Office Transfer Period.
_302	counter	_	The number of 302 Moved Temporarily responses received in the current Office Transfer Period.
_303	counter	_	The number of 303 See Other responses received in the current Office Transfer Period.
_304	counter	_	The number of 304 Warning responses received in the current Office Transfer Period.
_305	counter	_	The number of 305 Use Proxy responses received in the current Office Transfer Period.
_400	counter	_	The number of 400 Bad Request responses received in the current Office Transfer Period.
_401	counter	_	The number of 401Unauthorized responses received in the current Office Transfer Period.
_402	counter	_	The number of 402 Payment Required responses received in the current Office Transfer Period.
_403	counter	_	The number of 403 Forbidden responses received in the current Office Transfer Period.

Name	Туре	Unit	Description
_404	counter	_	The number of 404 Not Found responses received in the current Office Transfer Period.
_405	counter	_	The number of 405 Method Not Allowed responses received in the current Office Transfer Period.
_406	counter	_	The number of 406 Not Acceptable responses received in the current Office Transfer Period.
_407	counter	_	The number of 407 Proxy Authentication Required responses received in the current Office Transfer Period.
_408	counter	_	The number of 408 Request Timeout responses received in the current Office Transfer Period.
_409	counter	_	The number of 409 Conflict responses received in the current Office Transfer Period.
_410	counter	_	The number of 410 Gone responses received in the current Office Transfer Period.
_411	counter	_	The number of 411 Length Required responses received in the current Office Transfer Period.
_412	counter	_	The number of 412 Conditional Request Failed responses received in the current Office Transfer Period.
_413	counter	_	The number of 413 Request Entity Too Large responses received in the current Office Transfer Period.
_414	counter	_	The number of 414 Request-URI Too Long responses received in the current Office Transfer Period.
_415	counter	_	The number of 415 Unsupported Media Type responses received in the current Office Transfer Period.
_416	counter	_	The number of 416 Unsupported URI Scheme responses received in the current Office Transfer Period.
_420	counter	_	The number of 420 Bad Extension responses received in the current Office Transfer Period.
_422	counter	_	The number of 422 Session Interval Too Small responses received in the current Office Transfer Period.
_423	counter	_	The number of 423 Interval Too Brief responses received in the current Office Transfer Period.
_480	counter	_	The number of 480 Temporarily Unavailable responses received in the current Office Transfer Period.

Name	Туре	Unit	Description
_481	counter	_	The number of 481 Call Or Transaction Does Not Exist responses received in the current Office Transfer Period.
_482	counter		The number of 482 Loop Detected responses received in the current Office Transfer Period.
_483	counter	_	The number of 483 Too Many Hops responses received in the current Office Transfer Period
_484	counter	_	The number of 484 Address Incomplete responses received in the current Office Transfer Period.
_485	counter		The number of 485 Ambiguous responses received in the current Office Transfer Period.
_486	counter	_	The number of 486 Busy Here responses received in the current Office Transfer Period.
_487	counter	_	The number of 487 Request Terminated responses received in the current Office Transfer Period.
_488	counter	_	The number of 488 Not Acceptable Here responses received in the current Office Transfer Period.
_489	counter	_	The number of 489 Bad Event responses received in the current Office Transfer Period.
_491	counter	_	The number of 491 Request Pending responses received in the current Office Transfer Period.
_500	counter	_	The number of 500 Server Internal Error responses received in the current Office Transfer Period.
_501	counter	_	The number of 501 Not Implemented responses received in the current Office Transfer Period.
_502	counter	_	The number of 502 Bad Gateway responses received in the current Office Transfer Period.
_503	counter	_	The number of 503 Service Unavailable responses received in the current Office Transfer Period.
_504	counter	_	The number of 504 Server Timeout responses received in the current Office Transfer Period.
_505	counter	_	The number of 505 Version Not Supported responses received in the current Office Transfer Period.
_600	counter		The number of 600 Busy Everywhere responses received in the current Office Transfer Period.
_603	counter		The number of 603 Decline responses received in the current Office Transfer Period.

Name	Туре	Unit	Description
_604	counter	_	The number of 604 Does Not Exist Anywhere responses received in the current Office Transfer Period.
_606	counter	_	The number of 606 Not Acceptable responses received in the current Office Transfer Period.
Unknown2xx	counter	_	The number of unrecognized 200-series responses received in the current Office Transfer Period.
Unknown3xx	counter	_	The number of unrecognized 300-series responses received in the current Office Transfer Period.
Unknown4xx	counter	_	The number of unrecognized 400-series responses received in the current Office Transfer Period.
Unknown5xx	counter	_	The number of unrecognized 500-series responses received in the current Office Transfer Period.
Unknown6xx	counter	_	The number of unrecognized 600-series responses received in the current Office Transfer Period.
Total	counter	_	The totals of all other registers in the row.

SipOutgoingResponses

Description

The SIP_Outbound_Response_Report OM group consists of a set of rows. Each row contains an identical set of peg registers.

Key

Name: Method

Description: Method name

Name	Туре	Unit	Description
_200	counter	_	The number of 200 OK responses sent in the current Office Transfer Period.
_202	counter	_	The number of 202 Accepted responses sent in the current Office Transfer Period.
_300	counter	_	The number of 300 Multiple Choices responses sent in the current Office Transfer Period.
_301	counter	_	The number of 301 Moved Permanently responses sent in the current Office Transfer Period.
_302	counter	_	The number of 302 Moved Temporarily responses sent in the current Office Transfer Period.

Name	Туре	Unit	Description
_303	counter	_	The number of 303 See Other responses sent in the current Office Transfer Period.
_304	counter	_	The number of 304 Warning responses sent in the current Office Transfer Period.
_305	counter	_	The number of 305 Use Proxy responses sent in the current Office Transfer Period.
_400	counter	_	The number of 400 Bad Request responses received in the current Office Transfer Period.
_401	counter	_	The number of 401 Unauthorized responses received in the current Office Transfer Period.
_402	counter	_	The number of 402 Payment Required responses sent in the current Office Transfer Period.
_403	counter	_	The number of 403 Forbidden responses sent in the current Office Transfer Period.
_404	counter		The number of 404 Not Found responses sent in the current Office Transfer Period.
_405	counter	_	The number of 405 Method Not Allowed responses sent in the current Office Transfer Period.
_406	counter	_	The number of 406 Not Acceptable responses sent in the current Office Transfer Period.
_407	counter	_	The number of 407 Proxy Authentication Required responses sent in the current Office Transfer Period.
_408	counter	_	The number of 408 Request Timeout responses sent in the current Office Transfer Period.
_409	counter	_	The number of 409 Conflict responses sent in the current Office Transfer Period.
_410	counter	_	The number of 410 Gone responses sent in the current Office Transfer Period.
_411	counter	_	The number of 411 Length Required responses sent in the current Office Transfer Period.
_412	counter	_	The number of 412 Conditional Request Failed responses sent in the current Office Transfer Period.
_413	counter	_	The number of 413 Request Entity Too Large responses sent in the current Office Transfer Period.
_414	counter	_	The number of 414 Request-URI Too Long responses sent in the current Office Transfer Period.
_415	counter	_	The number of 415 Unsupported Media Type responses sent in the current Office Transfer Period.

Name	Туре	Unit	Description
_416	counter	_	The number of 416 Unsupported URI Scheme responses sent in the current Office Transfer Period
_420	counter	_	The number of 420 Bad Extension responses sent in the current Office Transfer Period.
_422	counter	_	The number of 422 Session Interval Too Small responses received in the current Office Transfer Period.
_423	counter	_	The number of 423 Interval Too Brief responses sent in the current Office Transfer Period.
_480	counter	_	The number of 480 Temporarily Unavailable responses sent in the current Office Transfer Period.
_481	counter	_	The number of 481 Call Or Transaction Does Not Exist responses sent in the current Office Transfer Period.
_482	counter	_	The number of 482 Loop Detected responses sent in the current Office Transfer Period.
_483	counter	_	The number of 483 Too Many Hops responses sent in the current Office Transfer Period.
_484	counter	_	The number of 484 Address Incomplete responses sent in the current Office Transfer Period.
_485	counter	_	The number of 485 Ambiguous responses sent in the current Office Transfer Period.
_486	counter	_	The number of 486 Busy Here responses sent in the current Office Transfer Period.
_487	counter	_	The number of 487 Request Terminated responses sent in the current Office Transfer Period.
_488	counter	_	The number of 488 Not Acceptable Here responses sent in the current Office Transfer Period.
_489	counter	_	The number of 489 Bad Event responses sent in the current Office Transfer Period.
_491	counter	_	The number of 491 Request Pending responses sent in the current Office Transfer Period.
_500	counter	_	The number of 500 Server Internal Error responses sent in the current Office Transfer Period.
_501	counter	_	The number of 501 Not Implemented responses sent in the current Office Transfer Period.
_502	counter	_	The number of 502 Bad Gateway responses sent in the current Office Transfer Period.

Name	Туре	Unit	Description
_503	counter	_	The number of 503 Service Unavailable responses sent in the current Office Transfer Period.
_504	counter	_	The number of 504 Server Timeout responses sent in the current Office Transfer Period.
_505	counter	_	The number of 505 Version Not Supported responses sent in the current Office Transfer Period.
_600	counter	_	The number of 600 Busy Everywhere responses sent in the current Office Transfer Period.
_603	counter	_	The number of 603 Decline responses sent in the current Office Transfer Period.
_604	counter	_	The number of 604 Does Not Exist Anywhere responses sent in the current Office Transfer Period.
_606	counter	_	The number of 606 Not Acceptable responses sent in the current Office Transfer Period.
Unknown2xx	counter	_	The number of unrecognized 200-series responses sent in the current Office Transfer Period.
Unknown3xx	counter	_	The number of unrecognized 300-series responses sent in the current Office Transfer Period.
Unknown4xx	counter	_	The number of unrecognized 400-series responses sent in the current Office Transfer Period.
Unknown5xx	counter	_	The number of unrecognized 500-series responses sent in the current Office Transfer Period.
Unknown6xx	counter	_	The number of unrecognized 600-series responses sent in the current Office Transfer Period.
Total	counter	_	The totals of all other registers in the row.

SIPSecurity

Description

The SIPSecurity operational measurements group provides data on the enforcement of SIPS.

Key

Name: SIPS

Description: Name of SIPS

Registers

Name	Туре	Unit	Description
SIPSNotAllowed	counter	_	The number of calls that are rejected when SIPS could not be enforced. This scenario indicates that TLS is not properly configured
SIPSRequired	counter	_	The number of calls that are rejected when a SIP message does not conform to the configuration of Media Security Policy that requires SIPS. This counter is incremented when Media Security Policy is configured to the Security Enforced state and the value of the Enforce SIPS for Security Enforced Calls parameter is <i>true</i> .

SipStack

Description

The SipStack OM group tracks resources for each Avaya Aura $^{\circledR}$ Conferencing Application Server in the SIP stack.

Key

Name: ResourceName

Description: Resource name

Registers

Name	Туре	Unit	Description
AllocatedElements	gauge		The number of allocated elements
UsedElements	gauge	_	The number of elements used
StackResourceUsage	gauge	_	The percentage of resources used

SipTcp

Description

The SIP TCP Report OM group tracks events related to SIP TCP connections.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
ConnectionsOpened	counter	_	The number of open TCP connections.
ConnectionsClosed	counter	_	The number of closed TCP connections.
ConnectionsReused	counter	_	The number of reused TCP connections.
ConnectionErrors	counter	_	The number of TCP connection errors.

SipTIs

Description

The SIP_TLS_Report OM group tracks events related to TLS connections. This group collects usage statistics, persistency statistics, and reuse statistics of TCP connections.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
ConnectionsOpened	counter	_	This row provides a set of counter-registers for TLS connections opened
ConnectionsClosed	counter	_	This row provides a set of counter-registers for TLS connections closed
HandshakeSuccesses	counter	_	This row provides a set of counter-registers for TLS connection successful handshakes
HandshakeFailures	counter	_	This row provides a set of counter-registers for TLS connection handshake failures
Inbound	counter	_	This row provides the number of TLS connection events by incoming messages in the current OTP.
Outbound	counter	_	This row provides the number of TLS connection events by outgoing messages in the current OTP.

SipTransactions

Description

The SipTransactions OM group consists of a set of rows. Each row contains an identical set of peg registers. Each row corresponds to an incoming or outgoing SIP transaction.

Key

Name: Key

Description: Row key

Registers

Name	Туре	Unit	Description
Inbound	counter	_	The number of SIP transactions of the corresponding row type that an incoming message initiates in the current Office Transfer Period.
Outbound	counter	_	The number of SIP transactions of the corresponding row type that an outbound message initiates in the current Office Transfer Period.
Active	gauge	_	The active transactions of the corresponding row type. Each time an incoming or outgoing message initiates a transaction, the system increments this counter.

SubscriberOPI

Description

The SubscriberOPI OM group creates an OM row for every Subscriber OPI (SOPI) method that a SOPI client invokes on the server. The only register methodInvokeCount indicates the number of times a SOPI method is invoked.

Key

Name: Method

Description: Method name

Name	Туре	Unit	Description
MethodInvokeCount	counter	_	The number of times a client invokes the method in the last office period.
MethodSuccessInvok eCount	counter	_	The number of times the SOPI method has been successfully invoked
MethodFailureInvoke Count	counter	_	The number of times the SOPI method has failed to invoke

SyncSystem

Description

The SyncSystem OM group tracks the processing of synchronization checkpoints between two synchronization peers. One peer is the checkpoint sender containing information to be checkpointed.

Key

Name: AgentFunction

Description: Agent function

Registers

Name	Туре	Unit	Description
CheckpointGenerator s	gauge	_	The number of entities capable of generating checkpoints
CheckpointsSent	counter	_	The number of checkpoints sent
ReceiverLag	gauge	_	The lag period between the receiver receiving the checkpoints and the sender sending the checkpoints.
ProcessedLag	gauge	_	The rate at which the checkpoint receiver processes checkpoints relative to how quickly the receiver receives the checkpoints

UDPClientLogFeedConn

Description

The UDPClientLogFeedConn OM group tracks statistics for UDP client feed rules.

Key

Name: TransportAddress

Description: Transport address

Name	Туре	Unit	Description
DroppedMessages	counter	_	The number of dropped messages for the row.

UserProvisioning

Description

The UserProvisioning OM group contains a counter to measure adding a user, deleting a user, moving a user to a system domain, and users added or modified through LDAP synchronization from the LDAP server.

Key

Name: Domain

Description: Row key

Registers

Name	Туре	Unit	Description
Added	counter	_	The number of users added to the domain or subdomain
Deleted	counter	_	The number of users deleted from the domain or subdomain
Movedto	counter	_	The number of users moved into the domain or subdomain from another domain or subdomain
Movedfrom	counter	_	The number of users moved from the domain or subdomain to another domain or subdomain
Ldapadded	counter	_	The number of users that are added to this domain through LDAP synchronization
Ldapmodified	counter	_	The number of users that are modified in this domain through LDAP synchronization
Ldapdeleted	counter	_	The number of users that are deleted in this domain through the LDAP synchronization.

WebMeetingEvent

Description

The WebMeetingEvent group measures the number of meeting events processed by the SIP bridge, including the elapsed time of these meeting events.

Key

Name: TimeRange

Description: The time range.

Name	Туре	Unit	Description
AssociationTimer	counter	_	The number of Association Timer Expired events.

Name	Туре	Unit	Description
AVConferenceUpdate d	counter	_	The number of AV Conference Updated events.
AVConferenceDeleted	counter	_	The number of AV Conference Deleted events.
ConferenceLookedUp	counter	_	The number of Conference Looked Up events.
End	counter	_	The number of End Meeting events.
Lock	counter	_	The number of Lock Meeting events.
LockedTimer	counter	_	The number of Locked Timer Expired events.
MemberIdentified	counter	_	The number of Member Identified events.
PollingTimer	counter	_	The number of Polling Timer Expired events.
Start	counter	_	The number of Start Meeting events.
TerminatingTimer	counter	_	The number of Terminating Timer Expired events.
StatusTimer	counter	_	The number of Status Timer Expired events.
Unlock	counter	_	The number of Unlock Meeting events.
WaitingTimer	counter	_	The number of Waiting Timer Expired events.
Other	counter	_	The number of events other than start, end, lock, and unlock.

WebServerRequest

Description

The WebServerRequest OM group provides performance data about the amount of time required to perform web server queries. The system notes the time stamps before and after each operation.

Key

Name: TimeRange

Description: Time range

Name	Туре	Unit	Description
ElapsedTime	counter	_	The amount of time required to perform web server queries.

WebServices

Description

The WebServices OM group indicates the success and failure of services provided by Provisioning Manager.

Key

Name: Method

Description: Method name

Registers

Name	Туре	Unit	Description
MethodSuccessInvok eCount	counter	_	The number of successful invokes in the OM period.
MethodFailureInvoke Count	counter	_	The number of unsuccessful invokes in the OM period.

WebSessions

Description

The WebSessions group measures the principal resources of the SIP bridge.

Key

Name: NA

Description: NA

Registers

Name	Туре	Unit	Description
JobQueue	gauge	_	The current size of a job queue.
NumSessions	gauge	_	The current number of sessions.

WebSocketStats

Description

This measurement group tracks the resources of the WebSocket WCS.

Key

Name: Key

Description: The total number of rows

Name	Туре	Unit	Description
		Unit	-
TextMessagesRx	counter	_	The number of text messages that Web collaboration clients send to WCS.
			These messages include the following actions that participants perform:
			Starting and stopping screen sharing
			Drawing actions on the whiteboard
			Sharing documents from the library
			Messages between participants
			Creating minutes of the meeting
TextMessagesTx	counter	_	The number of text messages that WCS sends to Web collaboration clients.
			These messages include the following actions that participants perform:
			Starting and stopping screen sharing
			Drawing actions on the Whiteboard
			Sharing documents from the library
			Messages between participants
			Creating minutes of the meeting
FramesRx	counter	_	The number of binary messages that Web collaboration clients send to WCS. The number of frames might include blocks.
			These messages include communication messages for sharing:
			The entire desktop
			A specific application
			A part of the screen
FramesTx	counter	_	The number of binary messages that WCS sends to Web collaboration clients. The number of frames might include blocks.
			These messages include communication messages for sharing:
			The entire desktop
			A specific application
			A part of the screen

Name	Туре	Unit	Description
BlocksRx	counter	_	The number of binary messages successfully received by WCS from Web collaboration clients.
			These messages include communication messages for sharing:
			The entire desktop
			A specific application
			A part of the screen
BlocksTx	counter	_	The number of binary messages successfully sent by WCS to Web collaboration clients.
			These messages include communication messages for sharing:
			The entire desktop
			A specific application
			A part of the screen
Connections	counter	_	The number of WebSocket connections between WCS and Web collaboration clients.
			This counter is increased when a new WebSocket connection is established. This counter can be reset.
ConnectionsGauge	gauge	_	The number of active WebSocket connections between WCS and Web collaboration clients.
			This gauge is increased when a new WebSocket connection is established and decreased when a WebSocket connection is disconnected.
ScreenSharingPresenters	gauge	_	The number of presenters sharing the screen.
ScreenSharingParticipants	gauge		The number of participants sharing the screen.
BandwidthTx	gauge	Kbps	The bandwidth used by the WebSocket connections between WCS and Web collaboration clients.
AverageLatency	gauge	ms	The average latency, in milliseconds, between the data that Presenter sends to WCS in a conference and the data that WCS forwards to the participants.

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