
Show Status Address Context - Zone

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Zone

Command Syntax

```

> show status addressContext <addressContext_name> zone <zone_name>
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  sipIpPeerResponseIntervalStatistics
  sipOcsCallCurrentStatistics
sipOcsCallIntervalStatistics
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sipOptionResponseIntervalStatistics
sipPeerCacStatus
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sipRegisterResponseCurrentStatistics
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sipSigConnStatistics
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sipSigPortStatus
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sipTrunkGroupResponseCurrentStatistics
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sonusSipSigPeerOvldStatusEntry
trafficControlCurrentStatistics
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trunkGroupQoeStatus
trunkGroupStatus

```

Command Parameters

Table 1: Zone Parameters

| Parameter | Description |
|----------------------|---|
| zone | Use this object to view zone statistics for <zone name> zone. |

`cac`

This object displays Call/Registration Admission Control statistics for this zone.

- `bandwidthLimit` – Total media bandwidth limit (in Kb/sec).
- `bandwidthLimitThreshold` – Bandwidth utilization notification threshold.
- `callLimit` – The total number of concurrent calls (both ingress and egress) allowed.
- `callLimitThreshold` – Call Limit utilization notification threshold.
- `egress` – Egress-specific call admission control configuration.
- `emergencyOversubscription` – The oversubscription of resources (as a percentage) that is allowed for emergency calls.
- `extendedEmergencyIpLimit` – The oversubscription of resources (expressed as numeric value) that is allowed for emergency calls.
- `ingress` – Ingress-specific call admission control configuration.
- `registrationLimit` – The number of concurrent registrations allowed.
- `subscriptionLimit` – The number of concurrent subscriptions allowed.

`callCurrentStatistics`

This object displays current call statistics. The fields returned in the results include:

- `<name>` – Trunk group name.
- `activeRegs` – The number of stable registrations on this trunk group measured at the end of the collection interval.
- `activeSubs` – The number of stable subscriptions on this trunk group measured at the end of the collection interval.
- `callSetupTime` – Total call setup time for all completed calls in the inbound and outbound directions measured in hundredths of a second.
- `callSetups` – Total number of calls setup but not necessarily completed in inbound and outbound directions.
- `callsWithPktOutage` – Number of calls with a maximum packet outage whose duration exceeds the configured minimum.
- `callsWithPktOutageAtEnd` – Number of calls whose maximum packet outage occurs at the end of the call.
- `callsWithPsxDips` – The number of calls that made a PSX Dip (applies to ERE and external PSX).
- `inBwUsage` – Sum of bandwidth usage (expected data rate in Kbits per second multiplied by call duration in seconds) for every inbound call associated with this TG.
- `inCallAttempts` – Current number of inbound call attempts.
- `inRetargetCalls` – Number of incoming calls retargeted by the Load Balancing Service.
- `inRetargetRegisters` – Number of incoming registers retargeted by the Load Balancing Service.
- `inCalls` – Current number of completed inbound calls.

- [inUsage](#) –The duration, in seconds, for which all inbound calls are using the trunk group. This metric is derived using the formula: total # of inbound calls on the TG * 60
- [maxActiveBwUsage](#) – Maximum bandwidth usage in either direction associated with this trunk group.
- [maxActiveCalls](#) – The current high water mark of the total number of active calls in both inbound and outbound directions on the trunk group. This statistic applies to calls that are setting up, stable or tearing down. When a switch-over occurs from SBC-A to SBC-B in an HA scenario, the number of stable calls that were transferred from SBC-A to SBC-B equals the initial value of "maxActiveCalls" (immediately after the switch-over). Subsequent values are calculated and recorded accordingly.
- [maxActiveRegs](#) – Maximum number of active registrations (high watermark achieved on trunk group).
- [maxActiveSubs](#) – Maximum number of active subscriptions.
- [maxPktOutage](#) – Single longest maximum reported packet outage duration (in milliseconds) experienced during the current performance interval for this TG.
- [outBwUsage](#) – Sum of bandwidth usage for every outbound call associated with this trunk group (expected data rate in Kbps multiplied by call duration in seconds).
- [outCallAttempts](#) – Number of outbound call attempts on this trunk group.
- [outCalls](#) – Number of completed outbound calls on this trunk group.
- [outRetargetCalls](#) – Number of outgoing calls retargeted by the Load Balancing Service.
- [outRetargetRegs](#) – Number of outgoing registrations retargeted by the Load Balancing Service.
- [outUsage](#) – The duration, in seconds, for which all outbound calls are using the trunk group. This metric is derived using the formula: total # of outbound calls on the TG * 60.
- [peakCallRate](#) – Peak call arrival rate on this trunk group.
- [payoutBufferAcceptable](#) – Number of calls with all sub-intervals reporting ACCEPTABLE or better payout buffer quality.
- [payoutBufferGood](#) – Number of calls with all sub-intervals reporting GOOD payout buffer quality.
- [payoutBufferPoor](#) – Number of calls with all sub-intervals reporting POOR or better payout buffer quality for this trunk group.
- [payoutBufferUnacceptable](#) – Number of calls with at least one sub-interval reporting UNACCEPTABLE payout buffer quality.
- [podEvents](#) – Number of Packet Outage Detection (POD) Events detected.
- [routingAttempts](#) – Number of routing attempts.
- [sipRegAttempts](#) – Number of SIP registration attempts on a trunk group.
- [sipRegCompletions](#) – The total number of completed registrations on a trunk group in the system.
- [totalCallUpdates](#) – Total call updates on this trunk group.

- [totalEmergencyOnGoingCalls](#) – Total emergency calls in establishing state on this trunk group.
- [totalEmergencyStableCalls](#) – Total stable emergency calls on this trunk group.
- [totalOnGoingCalls](#) – Total calls in establishing state on this trunk group.
- [totalPktOutage](#) – Summation of all packet outage durations (in milliseconds) which exceed the configured minimum that is experienced during the current performance interval for this trunk group.
- [totalPsxDips](#) – Current number of PSX dips made.
- [totalStableCalls](#) – Total stable calls on this trunk group.

[callFailureCurrentStatistics](#)

This object displays call failure current statistics. The fields returned in the results are:

- [name](#) – The name of this peer.
- [allocFailBwLimit](#) – The number of BW Requests which fail because the configured bandwidth limit has been exceeded for this trunk group for the specified interval.
- [allocFailCallLimit](#) – The number of BW Requests which fail because configured call limit has been exceeded for this trunk group for the specified interval.
- [allocFailParentConstraint](#) – The current number of failures caused by parent limit denial for this trunk group for the specified interval.
- [callAbandoned](#) – The current number of calls on a trunk group that were abandoned while dialing for the specified interval.
- [callFailPolicing](#) – The current number of calls on a trunk group that failed due to policing for the specified interval.
- [inCallFailInvalidCall](#) – The number of inbound failed calls because there was an invalid call attempt for this trunk group for the specified interval.
- [inCallFailNetworkFailure](#) – The number of inbound failed calls because there was a network failure for this trunk group for the specified interval.
- [inCallFailNoResources](#) – The number of inbound failed calls because there was an unavailable resource for this trunk group for the specified interval.
- [inCallFailNoRoutes](#) – The number of inbound failed calls because there was no route available for this trunk group for the specified interval.
- [inCallFailNoService](#) – The number of inbound failed calls because there was an unavailable service for this trunk group for the specified interval.
- [inCallFailProtocolError](#) – The number of inbound failed calls because there was a protocol error for this trunk group for the specified interval.
- [inCallFailUnspecified](#) – The number of inbound failed calls for an unspecified reason for this trunk group for the specified interval.
- [invalidSPCallsFailed](#) – The current number of calls that failed due to mismatched ingress sig port from CP according to RCB for the specified interval.

- `noPsxRoute` – The current number of calls on an ingress trunk group that failed due to no routes returned from the PSX for the specified interval.
- `nonMatchSrcIpCallsFail` – The current number of calls that failed due to mismatched source IP of IAD according to its RCB for the specified interval.
- `outCallFailInvalidCall` – The number of outbound failed calls because there was an invalid call attempt for this trunk group for the specified interval.
- `outCallFailNetworkFailure` – The number of outbound failed calls because there was a network failure for this trunk group for the specified interval.
- `outCallFailNoResources` – The number of outbound failed calls because there was an unavailable resource for this trunk group for the specified interval.
- `outCallFailNoRoutes` – The number of outbound failed calls because there was no route available for this trunk group for the specified interval.
- `outCallFailNoService` – The number of outbound failed calls because there was an unavailable service for this trunk group for the specified interval.
- `outCallFailProtocolError` – The number of outbound failed calls because there was a protocol error for this trunk group for the specified interval.
- `outCallFailUnspecified` – The number of outbound failed calls for an unspecified reason for this trunk group for the specified interval.
- `regCallsFailed` – The current number of calls that failed due to registration requirement for SIP trunk group for the specified interval.
- `routingFailuresResv` – The number of routing failures due to no unreserved circuits for this trunk group for the specified interval.
- `securityFail` – The current number of calls that failed due to a mismatch between the peer security and route packet service profile security on a trunk group for the specified interval.
- `sipOtherReqFailPolicing` – Current number of SIP other non-invite attempts that failed due to policing on trunk group.
- `sipRegFailInternal` – The current number SIP registration attempts that failed due to other reasons (signaling failures, etc.) on a trunk group for the specified interval.
- `sipRegFailOther` – The current number SIP registration attempts that failed due to other reasons (signaling failures, etc.) on a trunk group for the specified interval.
- `sipRegFailPolicing` – The current number SIP registration attempts that failed due to policing on a trunk group for the specified interval.
- `sipSubsFailPolicing` – The Current number of SIP Subscribe attempts that failed due to policing on a trunk group for the specified interval.
- `videoThresholdLimit` – The number of video streams exceeded the video threshold limit this trunk group.

`callFailureIntervalStatistics`

This object displays call failure interval statistics. The fields displayed include:

- [number](#) – The interval sequence number. The number of intervals to store are configurable. Refer to [Interval Statistics - CLI](#) for configuration details.
- [name](#) – Peer name associated with this interval statistic.
- [time](#) – System up time when interval statistics is collected.
- [allocFailBwLimit](#) – The number of BW Requests which fail because the configured bandwidth limit has been exceeded for this trunk group for the specified interval.
- [allocFailCallLimit](#) – The number of BW Requests which fail because configured call limit has been exceeded for this trunk group for the specified interval.
- [allocFailParentConstraint](#) – The number of failures due to parent limit denial for the specified interval.
- [callAbandoned](#) – The number of calls on a trunk group that were abandoned while dialing for the specified interval.
- [callFailPolicing](#) – The number of calls on a trunk group that failed due to policing for the specified interval.
- [inCallFailInvalidCall](#) – The number of inbound failed calls because there was an invalid call attempt for this trunk group for the specified interval.
- [inCallFailNetworkFailure](#) – The number of inbound failed calls because there was a network failure for this trunk group for the specified interval.
- [inCallFailNoResources](#) – The number of inbound failed calls because there was an unavailable resource for this trunk group for the specified interval.
- [inCallFailNoRoutes](#) – The number of inbound failed calls because there was no route available for this trunk group for the specified interval.
- [inCallFailNoService](#) – The number of inbound failed calls because there was an unavailable service for this trunk group for the specified interval.
- [inCallFailProtocolError](#) – The number of inbound failed calls because there was a protocol error for this trunk group for the specified interval.
- [inCallFailUnspecified](#) – The number of inbound failed calls for an unspecified reason for this trunk group for the specified interval.
- [intervalValid](#) – A setting of 'true' indicates the interval contains valid data during the time interval. Each interval is for a configurable fixed time (default interval is 15 minutes) starting on the hour. For example, if the system starts at 12:05, the first interval at 12:15 will not be valid because it is less than the 15-minute interval. Subsequent intervals will be valid upon meeting the 15-minute time interval. System switch-overs also cause invalid intervals because data is lost during the interval.

- [invalidSPCallsFailed](#) – The current number of calls that failed due to mismatched ingress sig port from CP according to RCB for the specified interval.
- [noPsxRoute](#) – The number of calls on an ingress trunk group that failed due to no routes returned from the PSX for the specified interval.
- [nonMatchSrcIpCallsFail](#) – The number of calls that failed due to mismatched source IP of IAD according to its RCB for the specified interval.
- [outCallFailInvalidCall](#) – The number of outbound failed calls because there was an invalid call attempt for this trunk group for the specified interval.
- [outCallFailNetworkFailure](#) – The number of outbound failed calls because there was a network failure for this trunk group for the specified interval.
- [outCallFailNoResources](#) – The number of outbound failed calls because there was an unavailable resource for this trunk group for the specified interval.
- [outCallFailNoRoutes](#) – The number of outbound failed calls because there was no route available for this trunk group for the specified interval.
- [outCallFailNoService](#) – The number of outbound failed calls because there was an unavailable service for this trunk group for the specified interval.
- [outCallFailProtocolError](#) – The number of outbound failed calls because there was a protocol error for this trunk group for the specified interval.
- [outCallFailUnspecified](#) – The number of outbound failed calls for an unspecified reason for this trunk group for the specified interval.
- [regCallsFailed](#) – The number of calls that failed due to registration requirement for SIP trunk group for the specified interval.
- [routingFailuresResv](#) – The number of routing failures due to no unreserved circuits for this trunk group for the specified interval.
- [securityFail](#) – The number of calls that failed due to a mismatch between the peer security and route packet service profile security on a trunk group for the specified interval.
- [sipOtherReqFailPolicing](#) – Number of SIP other non-invite attempts that failed due to policing on a trunk group.
- [sipRegFailInternal](#) – The number SIP registration attempts that failed due to other reasons (signaling failures, etc.) on a trunk group for the specified interval.
- [sipRegFailOther](#) – The number SIP registration attempts that failed due to other reasons (signaling failures, etc.) on a trunk group for the specified interval.
- [sipRegFailPolicing](#) – The number SIP registration attempts that failed due to policing on a trunk group for the specified interval.
- [sipSubsFailPolicing](#) – Number of SIP Subscribe attempts that failed due to policing on a trunk group.
- [videoThresholdLimit](#) – The number of video streams exceeding the video threshold limit for this trunk group for the specified interval.

callIntervalStatistics

This object displays call interval statistics. The fields displayed include:

- **number** – The interval sequence number. The number of intervals to store are configurable. Refer to [Interval Statistics - CLI](#) for configuration details.
- **name** – Peer name associated with this interval statistic.
- **time** – System up time when interval statistics is collected.
- **activeRegs** – The number of stable registrations on this trunk group measured at the end of the collection interval.
- **activeSubs** – The number of stable subscriptions on this trunk group measured at the end of the collection interval.
- **callSetupTime** – The total call setup time for all completed calls in the inbound and outbound directions for this trunk group for the specified interval measured in hundredths of a second. This object can be used as the numerator for calculating average call setup time.
- **callSetups** – The total number of calls setup but not necessarily completed in the inbound and outbound directions for this trunk group for the specified interval. This object can be used as the denominator for calculating average call setup time.
- **callsWithPktOutage** – The number of calls with a maximum packet outage whose duration exceeds the configured minimum for this trunk group for the specified interval.
- **callsWithPktOutageAtEnd** – The number of calls whose maximum packet outage occurs at the end of the call for this trunk group for the specified interval. This is an indication that the call may have been terminated because of poor quality.
- **callsWithPsxDips** – The number of calls that made a PSX dip during the interval (applies to ERE and external PSX).
- **inBwUsage** – The sum of BW usage (expected data rate in bits per second multiplied by call duration in seconds) for every inbound call associated with this trunk group for the specified interval.
- **inCallAttempts** – The number of inbound call attempts on this trunk group for the specified interval.
- **inCalls** – The number of completed inbound calls on this trunk group for the specified interval.
- **inRetargetCalls** – Number of incoming calls retargeted by the Load Balancing Service for the specified interval.
- **inRetargetRegisters** – Number of incoming registers retargeted by the Load Balancing Service for the specified interval.
- **inUsage** – The duration, in seconds, for which all inbound calls in a given interval are using the trunk group. This metric is derived using the formula: (total # of inbound calls on the TG) * (interval size) * 60

- **intervalValid** – A setting of 'true' indicates the interval contains valid data during the time interval. Each interval is for a configurable fixed time (default interval is 15 minutes) starting on the hour. For example, if the system starts at 12:05, the first interval at 12:15 will not be valid because it is less than the 15-minute interval. Subsequent intervals will be valid upon meeting the 15-minute time interval. System switch-overs also cause invalid intervals because data is lost during the interval.
- **maxActiveBwUsage** – The high watermark of BW usage in either direction associated with this trunk group for the specified interval.
- **maxActiveCalls** – The current high watermark of the total number of active calls in both inbound and outbound directions on the trunk group. This statistic applies to calls that are setting up, stable or tearing down. When a switch-over occurs from SBC-A to SBC-B in an HA scenario, the number of stable calls that were transferred from SBC-A to SBC-B equals the initial value of "maxActiveCalls" (immediately after the switch-over). Subsequent values are calculated and recorded accordingly.
- **maxActiveRegs** – The interval number of maximum active registrations on this trunk group (this is the high watermark achieved on this trunk group).
- **maxActiveSubs** – The maximum active subscriptions on this trunk group (high watermark achieved on this trunk group).
- **maxPktOutage** – The single longest maximum reported packet outage duration (in milliseconds) experienced during the specified performance interval for this trunk group.
- **outBwUsage** – The sum of bandwidth usage (expected data rate in bits per second multiplied by call duration in seconds) for every outbound call associated with this trunk group for the specified interval.
- **outCallAttempts** – The number of outbound call attempts on this trunk group for the specified interval.
- **outCalls** – The number of completed outbound calls on this trunk group for the specified interval.
- **outRetargetCalls** – Number of outgoing calls retargeted by the Load Balancing Service for the specified interval.
- **outRetargetRegs** – Number of outgoing registrations retargeted by the Load Balancing Service for the specified interval.
- **outUsage** – The duration, in seconds, for which all outbound calls in a given interval are using the trunk group. This metric is derived using the formula: (total # of outbound calls on the TG) * (interval size) * 60.
- **peakCallRate** – The peak call arrival rate on a trunk group level within the specified interval.
- **playoutBufferAcceptable** – The number of calls with all sub-intervals reporting ACCEPTABLE or better playout buffer quality for this trunk group for the specified interval.
- **playoutBufferGood** – The number of calls with all sub-intervals reporting GOOD playout buffer quality for this trunk group for the specified interval.

- [playoutBufferPoor](#) – The number of calls with all sub-intervals reporting POOR or better playout buffer quality for this trunk group for the specified interval.
- [playoutBufferUnacceptable](#) – The number of calls with at least one sub-interval reporting UNACCEPTABLE playout buffer quality for this trunk group for the specified interval.
- [podEvents](#) – The number of Packet Outage Detection (POD) events detected for this trunk group for the specified interval. A POD event occurs when a configurable number of calls experience a packet outage with duration exceeding a programmable threshold.
- [routingAttempts](#) – The number of routing attempts for this trunk group for the specified interval. Each PSX dip can return up to 200 routes. The SBC selects routes based on a number of criteria such as CAC and bandwidth availability. In some cases, crankback/route advance is needed if the first selected route fails. This metric counts the number of routes attempted before the call succeeded. If the first route succeeds, this counter = 1.
- [sipRegAttempts](#) – The current number of SIP registration attempts on a trunk group for the specified interval.
- [sipRegCompletions](#) – the total number of Completed Registrations on a trunk group in the system.
- [time](#) – The system uptime when the interval statistics were collected for the specified interval.
- [totalCallUpdates](#) – Total call updates on this trunk group for the specified interval.
- [totalEmergencyOnGoingCalls](#) – Total emergency calls in establishing state on this trunk group for the specified interval.
- [totalEmergencyStableCalls](#) – Total stable emergency calls on this trunk group for the specified interval.
- [totalOnGoingCalls](#) – Total calls in establishing state on this trunk group for the specified interval.
- [totalPktOutage](#) – The summation of packet outage durations (in milliseconds) whose duration exceeds the configured minimum which is reported during the specified performance interval. The average packet outage duration can be calculated by dividing this field by the number of calls reporting packet outages.
- [totalPsxDips](#) – The total number of PSX dips for the specified interval (applies to ERE and external PSX). To see the number of calls which made PSX dips during the interval, see [callsWithPsxDips](#) metric.
- [totalStableCalls](#) – Total stable calls on this trunk group for the specified interval.

INFO: During the specified interval, two calls made three dips each (due to call redirection, etc.) to the PSX. This is logged as: [callsWithPSXDips](#) = 2 and [totalPSXDips](#) = 6. If calls do not involve redirection or other complex scenarios such as two-stage dialing and transfers, these two metrics may be the same value.

| | |
|---|---|
| <code>dialogTransparency</code> | Displays the flag's state for this zone. (only available for 'show table' command) |
| <code>disableZoneLevelLoopDetection</code> | Displays the flag's state for this zone. (only available for 'show table' command) |
| <code>dnsGroup</code> | Name of the DNS Group for this zone. (only available for 'show table' command) |
| <code>domainName</code> | Fully qualified domain name for this zone. (only available for 'show table' command) |
| <code>filterSipSrc fqdnEntry <name> <type></code> | <p><code>domainMapping</code> – Displays the current learned/resolved IPs for FQDN entry under the <code>filterSipSrc</code> entity.</p> <p>For each domain mapping, the following details display:</p> <ul style="list-style-type: none"> • <code>index</code> – The index of the domain mapping entry for selected domain. • <code>lastDnsQueryTime</code> – The time stamp for the last DNS query. • <code>ipAddress</code> – IP address corresponding to selected domain entry. • <code>ttl</code> – TTL value for IP Address |
| <code>filterSipSrcStatistics</code> | <p>Filter SIP Src statistics for this zone, with the following fields:</p> <ul style="list-style-type: none"> • <code>name</code> – Zone name • <code>filteredSipMsgCount</code> – The number of filtered SIP messages for this zone. |
| <code>flexiblePolicyAdapterProfile</code> | Flexible Policy Adaptor Profile name for this zone. (only available for 'show table' command) |
| <code>gwSigPort</code> | <p>Gateway Signaling Port configuration for this zone. (only available for 'show table' command)</p> <ul style="list-style-type: none"> • <code>index</code> • <code>ipInterfaceGroupName</code> • <code>dscpValue</code> • <code>ipAddress</code> • <code>portNumber</code> • <code>role</code> • <code>mode</code> • <code>state</code> |

gwSigPortStatistics

Status of the active signaling channels with other gateways.

- `<ip_address>` – IP address of remote gateway.
- `FromBytesReceived` – The total number of signaling bytes received from this remote Gateway for incoming calls.
- `FromBytesSent` – The total number of signaling bytes sent to this remote Gateway for incoming calls.
- `FromCallRate` – The number of calls/sec processed by the GWFE in the last minute on the link which was originated by the remote.
- `FromLnkMajorVer` – The major version of link protocol being used between gateways.
- `FromLnkMinorVer` – The minor version of link protocol being used between gateways.
- `FromPdusReceived` – The total number of signaling PDUS received from this remote Gateway for incoming calls.
- `FromPdusSent` – The total number of signaling PDUS sent to this remote Gateway for incoming calls.
- `FromState` – Current state of the signaling link from this remote Gateway.
- `FromTotalCalls` – The total number of calls originated by the remote on this link.
- `Interface` – The interface used for this link (mgtNif, nif)
- `LnkProto` – The protocol being used between gateways.
- `NumActiveCalls` – Number of active calls between local and remote Gateway.
- `NumActiveCallsFrom` – Number of active calls from this remote Gateway.
- `NumActiveCallsTo` – Number of active calls to this remote Gateway.
- `RemoteMcLevel` – The remote gateways machine congestion level.
- `ToBytesReceived` – The total number of signaling bytes received from this remote Gateway for outgoing calls.
- `ToBytesSent` – The total number of signaling bytes sent to this remote Gateway for outgoing calls.
- `ToCallRate` – The number of calls/sec processed by the GWFE in the last minute on the link which was originated locally.
- `ToLnkMajorVer` – The major version of link protocol being used between gateways.
- `ToLnkMinorVer` – The minor version of link protocol being used between gateways.
- `ToPdusReceived` – The total number of signaling PDUS received from this remote Gateway for outgoing calls.
- `ToPdusSent` – The total number of signaling PDUS sent to this remote Gateway for outgoing calls.
- `ToState` – Current state of the signaling link to this remote Gateway.
- `ToTotalCalls` – The total number of calls originated locally on this link.

| | |
|---------------------------------------|---|
| gwSigPortStatus | <p>SIP Signaling port status.</p> <ul style="list-style-type: none"> • <index> – Index of GW signaling port. • state– Administrative state of SIP signaling port. (inService/outOfService) |
| gwTrunkGroup | Name of the gateway trunk group for this zone. (only available for 'show table' command) |
| h323SigPort | H.323 Signaling Port for this zone. (only available for 'show table' command) |
| h323SigPortStatistics | <p>H.323 Signaling Port Statistics.</p> <ul style="list-style-type: none"> • activeCalls – Number of current active calls. • egressCallsAttempted – Number of Egress calls attempted. • egressCallsCompleted – Number of Egress calls completed. • h225MessageBytesRcvd – Number of bytes of H225 messages received. • h225MessageBytesSent – Number of bytes of H225 messages sent. • h225MessagesRcvd – Number of H225 messages received. • h225MessagesSent – Number of H225 messages sent. • h225TcpPortsOpened – Number of H225 TCP ports currently open. • h245MessageBytesRcvd – Number of bytes of H245 messages received. • h245MessageBytesSent – Number of bytes of H245 messages sent. • h245MessagesRcvd – Number of H245 messages received. • h245MessagesSent – Number of H245 messages sent. • h245TcpPortsAllocated – Number of H245 TCP ports currently allocated. • h245TcpPortsOpened – Number of H245 TCP ports currently open. • ingressCallsAttempted – Number of Ingress calls attempted. • ingressCallsCompleted – Number of Ingress calls completed. • status– Status of the H323 Signaling Port. (inService/outOfService) |
| h323SigPortStatus | <p>H.323 Signaling Port Status.</p> <ul style="list-style-type: none"> • <port> <#> • state – Administrative state of H.323 signaling port. (inService/outOfService) |
| h323TrunkGroup | The H.323 trunk group in this zone. (only available for 'show table' command) |
| id | Unique numerical identifier for this zone. (only available for 'show table' command) |
| ipPeer | Static IP peers in this zone. (only available for 'show table' command) |

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| <p><code>ipPeerCurrentStatistics</code></p> | <p>This object displays the current statistics of the IP peer.</p> <p>The fields returned in the results are:</p> <ul style="list-style-type: none"> • <code>inboundSessions</code> - Indicates the number of calls routed to the peer. • <code>inboundCPS</code> - Indicates the number of calls routed to the peer per second. • <code>inboundMaxSessions</code> - Indicates the maximum number of inbound active sessions. • <code>outboundSessions</code> - Indicates the number of calls initiated by the peer. • <code>outboundCPS</code> - Indicates the number of calls initiated by the peer per second. • <code>outboundMaxSessions</code> - Indicates the maximum number of outbound active sessions. |
| <p><code>ipPeerIntervalStatistics</code></p> | <p>This object displays the interval statistics of the IP peer.</p> <p>The fields returned in the results are:</p> <ul style="list-style-type: none"> • <code>inboundSessions</code> - Indicates the number of calls routed to the peer. • <code>inboundCPS</code> - Indicates the number of calls routed to the peer per second. • <code>inboundMaxSessions</code> - Indicates the maximum number of inbound active sessions. • <code>outboundSessions</code> - Indicates the number of calls initiated by the peer. • <code>outboundCPS</code> - Indicates the number of calls initiated by the peer per second. • <code>outboundMaxSessions</code> - Indicates the maximum number of outbound active sessions. • <code>intervalValid</code> - Indicates the validity of the interval. <ul style="list-style-type: none"> • true (default) • false • <code>time</code> - Indicates the system up time when the interval statistics are collected. |
| <p><code>messageManipulation</code></p> | <p>SIP headers content/manipulation details. (only available for 'show table' command)</p> |
| <p><code>mtrmConnPort</code></p> | <p>Master Trunk Group Connection Port details. peer status, and statistics (only available for 'show table' command).</p> |

peerPathchkStatus

Peer pathcheck status for localAdminState, pingState, remoteAdminState. The parameters localAdminState and remoteAdminState are set to "block" or "unblock" using the request command (Refer to Request Address Context - CLI).

- `<peer_name>` – Name of peer.
- `localAdminState` – Local admin state of the peer. If localAdminState is set to block, the localAdminState in the peerPathchkStatus is "blocking". Once the response comes back from the peer to the OPTIONS, the state transitions to "down". If localAdminState is set to unblock, the localAdminState in the peerPathchkStatus is "unblocking". Once the response comes back from the peer to the OPTIONS, the state transitions to "up".
 - `blocking`
 - `down`
 - `unblocking`
 - `up`
- `pingState`– Ping state of the peer.
 - `active` – Once the responses to the OPTIONS are received according to the configured value of "recoveryCount" in the Pathcheck Profile, pingState transitions to state "active".
 - `down` – When peer or SIP UA does not respond to Options ping within the configured replyTimeoutCount value, peer is declared unreachable and state changes to "down".
 - `inActive` – If responses according to the value of "replyTimeoutCount" in the path check profile are not received, pingState transitions to state "inActive".
 - `up` – When the system comes up and SIP UA or Peer is reachable and responds to Options request with 200 OK.
- `remoteAdminState`– Remote admin state of the peer.
 - `down` – If a remoteAdminState state block command is issued, the remoteAdminState in the peerPathchkStatus shows "down".
 - `up` – If a remoteAdminState state unblock command is issued, the remoteAdminState in the peerPathchkStatus shows "up".

peerQosStatus

IP PEER QoS KPI status.

- `currentASR` – Current ASR value of IP PEER.
- `currentPGRD` – Current Post Gateway Routing Delay for the IP PEER.
- `egressActiveCalls` – Number of active calls on IP PEER.
- `egressSustainedCallRate` – Sustained Call Rate of the IP PEER.
- `qosDropCount` – Number of times this IP PEER is dropped from route list due to KPI Threshold breach.

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| <p>peerSurrRegStatus</p> | <p>NOTE: This parameter is present if the surrogateRegistration is configured at the IpPeer. The parameter is not present if surrRegProfile is attached to an IpPeer.</p> <p>Provides Surrogate Registration status of an IP Peer.</p> <ul style="list-style-type: none"> • <peer_name> – Name of peer. • surrRegState – Surrogate Registration state of the peer. <ul style="list-style-type: none"> • Active – When registration completes successfully. • Deleting – When a de-register was sent out and is awaiting final response from Registrar. • Inactive – When surrogate registration or re-registration has failed. • Initiating – When register was sent out and is awaiting response from Registrar. Same state is also seen when refresh register is sent out or when register is challenged with 401/407 response and awaiting response from Registrar. • (No entries) – When surrogate registration flag is disabled or when de-registration has completed successfully. |
| <p>relayPort</p> | <p>Relay port details for this zone. (only available for 'show table' command)</p> |
| <p>remoteDeviceType</p> | <p>The type of device facing this zone. (only available for 'show table' command)</p> |
| <p>sipArsStatus</p> | <p>Address Reachability Service status with following results:</p> <ul style="list-style-type: none"> • <sigZoneId> • recordIndex • sigPortNum • endpointIpAddress • endpointIpPortNum • endpointArsState <ul style="list-style-type: none"> • blacklisted – The endpoint has been blacklisted because the criteria outlined in the ARS profile blacklist algorithm were met. • monitoring – The endpoint is considered as being monitored because a timeout has been received from the endpoint but the blacklist criteria has not yet been met (the profile requires a set number of timeouts over a specific time frame to transition to blacklisted state). • recovering – The OPTIONS ping criteria for endpoint reachability detection requires that 'x' amount of successful responses are received over a specified time frame before moving from the black list. During the time that a response has been received but the timeframe/number of successful responses has not been completed, the end point is considered in a recovering state. • endpointStateTransitionTime |

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| sipByeResponseCurrentStatistics | <p>The SIP trunk group SIP BYE response current statistics.</p> <ul style="list-style-type: none"> • name – SIP trunk group name • response401 – The total number of sent 401 for received BYE messages. • response403 – The total number of sent 403 for received BYE messages. • response407 – The total number of sent 407 for received BYE messages. • response481 – The total number of sent 481 for received BYE messages. |
| sipByeResponseIntervalStatistics | <p>The SIP trunk group SIP BYE response statistics for the specified interval.</p> <ul style="list-style-type: none"> • number – A sequence number which identifies the interval for which the set of statistics is required. • name – The name of this SIP trunk group. • intervalValid – The member indicating the validity of the interval. • response401 – The total number of (interval) sent 401 for received BYE messages. • response403 – The total number of (interval) sent 401 for received BYE messages. • response407 – The total number of (interval) sent 407 for received BYE messages. • response481 – The total number of (interval) sent 481 for received BYE messages. • time – The system up time when the interval statistic is collected. |
| sipCurrentStatistics | <p>SIP Trunk Group current SIP statistics. (See SIP Current/Interval Statistics Details below for details)</p> |
| sipIntervalStatistics | <p>The SIP trunk group interval SIP statistics. (See SIP Current/Interval Statistics Details table below for details)</p> |
| sipInviteResponseCurrentStatistics | <p>SIP trunk group INVITE response current statistics. Indicates the total number of current parse errors (number of malformed SIP messages).</p> <ul style="list-style-type: none"> • name – SIP trunk group name • response401 – The total number of sent 401 for received INVITE messages. • response403 – The total number of sent 403 for received INVITE messages. • response407 – The total number of sent 407 for received INVITE messages. • response481 – The total number of sent 481 for received INVITE messages. |

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| <p>sipInviteResponseIntervalStatistics</p> | <p>The SIP trunk group INVITE response interval statistics. Indicates the total number of parse errors (number of malformed SIP messages) for the specified interval.</p> <ul style="list-style-type: none"> • number – A sequence number which identifies the interval for which the set of statistics is required. • name – The name of this SIP trunk group. • intervalValid – The member indicating the validity of the interval. • response401 – The total number of (interval) sent 401 for received INVITE messages. • response403 – The total number of (interval) sent 403 for received INVITE messages. • response407 – The total number of (interval) sent 407 for received INVITE messages. • response481 – The total number of (interval) sent 481 for received INVITE messages. • time – The system up time when the interval statistic is collected. |
| <p>sipIpPeerResponseCurrentStatistics</p> | <p>SIP response code statistics for the current statistics interval on the basis of IP peer.</p> |
| <p>sipIpPeerResponseIntervalStatistics</p> | <p>SIP response code statistics for recent statistics intervals on the basis of IP peer.</p> |
| <p>sipOcsCallCurrentStatistics</p> | <p>The SIP trunk group OCS (Office Communications Server, a.k.a MS Lync) call statistics.</p> <ul style="list-style-type: none"> • name – Name of the trunk group. • attemptedCalls – Number of attempted OCS call statistics. • establishedCalls – Number of established OCS call statistics. • failedCalls – Number of failed OCS call statistics. • pendingCalls – Number of pending OCS call statistics. • rejectedCalls – Number of SBC rejected OCS call statistics. • relayedCalls – Number of relayed OCS invite to Engress side statistics. • successfulCalls – Number of successful OCS call statistics. |

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| <p>sipOcsCallIntervalStatistics</p> | <p>The SIP trunk group OCS (Office Communications Server, a.k.a MS Lync) call statistics for the specified interval.</p> <ul style="list-style-type: none"> • name – Name of the trunk group. • number – The interval sequence number, or counter. The number of intervals to store are configurable. Refer to Interval Statistics - CLI for configuration details. A counter associated with a performance measurement in 15-minute intervals. The value starts from zero and increases when associated events occur until the end of the interval. At that time, the value of the counter is stored in the first 15-minute history interval, and the CurrentCount is restarted at zero. In the case where the agent has no valid data available for the current interval, the corresponding object instance is not available and upon a retrieval request a corresponding error message is returned to indicate this instance does not exist (for example, a noSuchName error for SNMPv1 and a noSuchInstance for SNMPv2 GET operation). • intervalValid – A setting of 'true' indicates the interval contains valid data during the time interval. Each interval is for a configurable fixed time (default interval is 15 minutes) starting on the hour. For example, if the system starts at 12:05, the first interval at 12:15 will not be valid because it is less than the 15-minute interval. Subsequent intervals will be valid upon meeting the 15-minute time interval. System switch-overs also cause invalid intervals because data is lost during the interval. • time – System up time when interval statistics is collected. • attemptedCalls – Number of Attempted OCS calls for the specified interval. • establishedCalls – Number of Established OCS calls for the specified interval. • failedCalls – Number of Failed OCS calls for the specified interval. • pendingCall – Number of Pending OCS calls for the specified interval. • rejectedCall – Number of Rejected OCS calls for the specified interval. • relayedCalls – Number of Relayed OCS invites to Egress side for the specified interval. • successfulCalls – Number of Successful OCS calls for the specified interval. |
| <p>sipOptionResponseCurrentStatistics</p> | <p>SIP trunk group OPTIONS response current statistics.</p> <ul style="list-style-type: none"> • name – SIP trunk group name • response401 – The total number of sent 401 for received OPTIONS messages. • response403 – The total number of sent 403 for received OPTIONS messages. • response407 – The total number of sent 407 for received OPTIONS messages. • response481 – The total number of sent 481 for received OPTIONS messages. |

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| <p><code>sipOptionResponseIntervalStatistics</code></p> | <p>The SIP trunk group OPTIONS response interval statistics.</p> <ul style="list-style-type: none"> • <code>number</code> – A sequence number which identifies the interval for which the set of statistics is required. • <code>name</code> – The name of this SIP trunk group. • <code>intervalValid</code> – The member indicating the validity of the interval. • <code>response401</code> – The total number of (interval) sent 401 for received OPTIONS messages. • <code>response403</code> – The total number of (interval) sent 401 for received OPTIONS messages. • <code>response407</code> – The total number of (interval) sent 407 for received OPTIONS messages. • <code>response481</code> – The total number of (interval) sent 481 for received OPTIONS messages. • <code>time</code> – The system up time when the interval statistic is collected. |
| <p><code>sipPeerCacStatus</code></p> | <p>Status for SIP peers with endpoint CAC configured.</p> <ul style="list-style-type: none"> • <code><peer_name></code> – Name of SIP peer. • <code>bandwidthRejectsLimit</code> – Number of calls rejected due to bandwidth CAC. • <code>cacType</code> – The CAC type for this SIP peer: <code>nonRegisteredSipPeer</code>, <code>staticSipPeer</code> or <code>registeredSipPeer</code>. • <code>createdAt</code> – The date and GMT time at which this peer control was created. • <code>egressCallRejectsLimit</code> – Number of egress calls rejected due to endpoint CAC call limits. • <code>egressCallRejectsRate</code> – Number of egress calls rejected due to endpoint CAC call rate. • <code>egressCallsActive</code> – Number of egress calls currently active for peer. • <code>egressCallsAllowed</code> – Number of egress calls allowed for this peer. • <code>egressDbAggregateMessageRejectsRate</code> – Number of egress aggregate message rejected due to endpoint CAC call rate. • <code>egressDbAggregateMessagesAllowed</code> – Number of egress aggregate message allowed for this peer. • <code>egressMessageRejectsRate</code> – Number of egress message rejected due to endpoint CAC call rate. • <code>egressMessagesAllowed</code> – Number of egress message allowed for this peer. • <code>egressNotifyRejectsRate</code> – Number of egress notify rejected due to endpoint CAC call rate. • <code>egressNotifysAllowed</code> – Number of egress notify allowed for this peer. • <code>egressOptionsAllowed</code> – Number of egress options allowed for this peer. • <code>egressOptionsRejectsRate</code> – Number of egress options rejected due to endpoint CAC call rate. • <code>egressOtherRequestsAllowed</code> – Number of egress other requests allowed for this peer. • <code>egressOtherRequestsRejectsRate</code> – Number of egress other requests rejected due to endpoint CAC call rate. |

- [egressReferRejectsRate](#) – Number of egress refer rejected due to endpoint CAC call rate.
- [egressRefersAllowed](#) – Number of egress refer allowed for this peer.
- [egressResponseRejectsRate](#) – Number of egress response rejected due to endpoint CAC call rate.
- [egressResponsesAllowed](#) – Number of egress response allowed for this peer.
- [egressSubscribeRejectsRate](#) – Number of egress subscribe rejected due to endpoint CAC call rate.
- [egressSubscribesAllowed](#) – Number of egress subscribe allowed for this peer.
- [ingressCallRejectsLimit](#) – Number of ingress calls rejected due to endpoint CAC call limits.
- [ingressCallRejectsRate](#) – Number of ingress calls rejected due to endpoint CAC call rate.
- [ingressCallsActive](#) – Number of ingress calls currently active for peer.
- [ingressCallsAllowed](#) – Number of ingress calls allowed for this peer.
- [ingressDbAggregateMessageRejectsRate](#) – Number of ingress aggregate message rejected due to endpoint CAC call rate.
- [ingressDbAggregateMessagesAllowed](#) – Number of ingress aggregate message allowed for this peer.
- [ingressMessageRejectsRate](#) – Number of ingress message rejected due to endpoint CAC call rate.
- [ingressMessagesAllowed](#) – Number of ingress message allowed for this peer.
- [ingressNotifyRejectsRate](#) – Number of ingress notify rejected due to endpoint CAC call rate.
- [ingressNotifysAllowed](#) – Number of ingress notify allowed for this peer.
- [ingressOptionsAllowed](#) – Number of ingress options allowed for this peer.
- [ingressOptionsRejectsRate](#) – Number of ingress options rejected due to endpoint CAC call rate.
- [ingressOtherRequestsAllowed](#) – Number of ingress other requests allowed for this peer.
- [ingressOtherRequestsRejectsRate](#) – Number of ingress other requests rejected due to endpoint CAC call rate.
- [ingressReferRejectsRate](#) – Number of ingress refer rejected due to endpoint CAC call rate.
- [ingressRefersAllowed](#) – Number of ingress refer allowed for this peer.
- [ingressResponseRejectsRate](#) – Number of ingress response rejected due to endpoint CAC call rate.
- [ingressResponsesAllowed](#) – Number of ingress response allowed for this peer.
- [ingressSubscribeRejectsRate](#) – Number of ingress subscribe rejected due to endpoint CAC call rate.
- [ingressSubscribesAllowed](#) – Number of ingress subscribe allowed for this peer.
- [videoThresholdLimit](#) – The number of video streams that exceeded the threshold limit for this peer.
- [state](#) – Current state of the signaling peer control (deleted, disabled, enabled, none)

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| | <ul style="list-style-type: none"> • type – Identifies the TYPE of signaling peer. |
| sipRegAdaptiveNaptLearningStatistics | <p>Adaptive NAPT pinhole timer learning statistics.</p> <ul style="list-style-type: none"> • sessionAdmissionReject – Number of learning sessions rejected. • sessionsAbortedDueToTraffic – Number of learning sessions aborted due to traffic. • sessionsCompleted – Number of learning sessions completed. • sessionsCompletedDueToTimeout – Number of learning sessions completed due to OPTIONS timeout. • sessionsInProgress – Number of learning sessions in progress. • sessionsInitiated – Number of learning sessions initiated. • sessionsReachedRelearnThreshold – Number of learning session reached the relearning threshold |
| sipRegRelay | SIP register relay functionality for this zone. (only available for 'show table' command) |
| sipRegisterResponseCurrentStatistics | <p>SIP trunk group REGISTER response current statistics.</p> <ul style="list-style-type: none"> • name – SIP trunk group name • response401 – The total number of sent 401 for received REGISTER messages. • response403 – The total number of sent 403 for received REGISTER messages. • response407 – The total number of sent 407 for received REGISTER messages. • response481 – The total number of sent 481 for received REGISTER messages. |
| sipRegisterResponseIntervalStatistics | <p>The SIP trunk group REGISTER response interval statistics.</p> <ul style="list-style-type: none"> • number – A sequence number which identifies the interval for which the set of statistics is required. • name – The name of this SIP trunk group. • intervalValid – The member indicating the validity of the interval. • response401 – The total number of (interval) sent 401 for received REGISTER messages. • response403 – The total number of (interval) sent 401 for received REGISTER messages. • response407 – The total number of (interval) sent 407 for received REGISTER messages. • response481 – The total number of (interval) sent 481 for received REGISTER messages. • time – The system up time when the interval statistic is collected. |

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| <p><code>sipSigConnStatistics</code></p> | <p>Specifies SIP Signaling port connection statistics.</p> <ul style="list-style-type: none"> • <code>index</code> – Specifies the index of this SIP Signaling Port. • <code>activeTlsTcpConnection</code> – Number of current TLS-TCP connections made. • <code>tcpConnection</code> – Number of current TCP connections. • <code>totalTcpConnection</code> – Number of total TCP connections made. • <code>totalTlsTcpConnection</code> – Number of total TLS-TCP connections. |
| <p><code>sipSigConnStatus</code></p> | <p>SIP Signaling Port connection status data.</p> <ul style="list-style-type: none"> • <code>connectionId</code> • <code>index</code> – Specifies the index of this SIP Signaling Port. • <code>aging</code> – Specifies whether or not an idle connection can be taken down. • <code>bytesRcvd</code> – Number of payload bytes received on connection. • <code>bytesSent</code> – Number of payload bytes sent on the connection. • <code>idleTime</code> – Time internal since the last activity. • <code>pduRecvQueued</code> – Number of fragmented PDUs received on the connection. • <code>pduSendQueued</code> – Number of PDUs waiting to be sent. • <code>peerIpAddress</code> – IP address of the peer. • <code>peerPortNum</code> – Specifies the port number used by the peer of this connection. • <code>role</code> – Role taken by the SBC in this connection. • <code>socket</code> – Socket number used internally for connection. • <code>state</code> – State of this connection. • <code>transport</code> – Transport type used for the connection. |
| <p><code>sipSigPort</code></p> | <p>Sip Signaling Port for this zone. (only available for 'show table' command)</p> |
| <p><code>sipSigPortStatistics</code></p> | <p>Specifies the SIP Signaling Port statistics.</p> <ul style="list-style-type: none"> • <code>index</code> – Index of the SIP Signaling Port. • <code>callRate</code> – Number of SIP calls per second during the last minute. • <code>inRegs</code> – Total number of inbound registration(s) received. • <code>origCalls</code> – Total number of outgoing calls sent. • <code>outRegs</code> – Total number of outbound registration(s) sent. • <code>rxBytes</code> – Total number of signaling BYTES received. • <code>rxPdus</code> – Total number of signaling PDUs received. • <code>termCalls</code> – Total number of incoming calls received. • <code>txBytes</code> – Total number of signaling BYTES sent. • <code>txPdus</code> – Total number of signaling PDUS sent. |

`sipSigPortStatus`

The SIP Signaling Port status details.

- `index` – Index of the SIP Signaling Port.
- `state` – SIP Signaling Port state (inService/outOfService)

Fields pertaining to SBC SWe Cloud:

- `fixedIPv4` – This field stores IPv4 address learned dynamically (obtained through DHCP)
- `fixedIPv6` – This field stores IPv6 address learned dynamically (obtained through DHCP)
- `floatingIPv4` – This field stores external IPv4 address
- `floatingIPv6` – This field stores external IPv6 address
- `localIpType` – This field indicates local IP address type.
 - `learned` – IP address learned from `ipInterface` in `ipInterfaceGroup`
 - `static` – Static IP address

sipSigPortTlsStatistics

Specifies the SIP Signaling TLS connection statistics.

- [index](#) – Index of the SIP Signaling Port.
- [clientAuthFailures](#) – Number of times peer failed TLS authentication with SBC as the client.
- [currentClientConnections](#) – Current number of client TLS connections.
- [currentClientHandshakes](#) – Number of incomplete client handshakes.
- [currentServerConnections](#) – Current number of server TLS connections.
- [currentServerHandshakes](#) – Number of incomplete server handshakes.
- [currentServerSessions](#) – Number of server sessions currently active.
- [fatalAlertsReceived](#) – Number of FATAL Alerts received.
- [handshakeFailures](#) – Cumulative total of all handshake failures.
- [handshakeTimeouts](#) – Number of handshakes that timed out before completing.
- [higherAuthTimeout](#) – Number of handshakes in which the SBC was the server and the client did not authenticate itself through TLS and failed to authenticate itself through any higher level protocol
- [midConnectionHello](#) – Number times a peer sent a TLS Hello on a connection that was already up.
- [noAuth488](#) – Number of SIP messages rejected with 488 due to lack of peer authentication at the SIP level.
- [noAuthDrops](#) – Number of SIP messages dropped due to lack of peer authentication at the SIP level.
- [noCipherSuite](#) – Number of handshake failures due to inability to converge on a cipher suite.
- [noClientCert](#) – Number times we were the client and we failed to derive a certificate to send the server.
- [receiveFailures](#) – Number of receive failures (failure to decrypt).
- [sendFailures](#) – Number of send failures (failure to encrypt).
- [serverAuthFailures](#) – Number of times peer failed TLS authentication with SBC as the server.
- [sessionResumptions](#) – Number of server sessions that have been resumed.
- [totalClientConnections](#) – Cumulative number of client TLS connections.
- [totalServerConnections](#) – Cumulative number of server TLS connections.
- [totalServerSessions](#) – Cumulative total number of server sessions.
- [validationFailures](#) – Number of failed certificate validations.
- [warningAlertsReceived](#) – Number of WARNING Alerts received.

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| sipSigTlsSessionStatus | <p>SIP signaling port connection status data.</p> <ul style="list-style-type: none"> • index – The index of this SIP Signaling Port. • peerIpAddress – IP address of the peer of this connection. • resumptions – Number of times this session has been resumed. • role – The role taken by the SBC in this connection. • state – State of this connection (blocked connected connecting deleted negotiating none suspended up waitingSipAuth) • tlsSessionId – Identifies the TLS session ID. |
| sipTrunkGroup | <p>SIP trunk groups in this zone. See SIP Trunk Group Parameters table below for details. (only available for 'show table' command)</p> |
| sipTrunkgroupPortRangeStatistics | <p>SIP trunk group media port range statistics with following fields:</p> <ul style="list-style-type: none"> • name – IP trunk group name. • portRangeActivePorts – Total number of active ports open. • portRangeRegistrationFailures – Total number of registrations failed due to unavailable active ports. |
| sipTrunkGroupResponseCurrentStatistics | <p>SIP response code statistics for the current statistics interval on the basis of trunk group.</p> |
| sipTrunkGroupResponseIntervalStatistics | <p>SIP response code statistics for recent statistics intervals on the basis of trunk group.</p> |
| sonusSipSigPeerOvldStatusEntry | <p>SIP signaling peer overload status, with following details:</p> <ul style="list-style-type: none"> • sonusSipSigPeerOvldStatusIpAddress – Peer IP address. • sonusSipSigPeerOvldStatusSigPortId – Signaling Port Id. • sonusSipSigPeerOvldStatus503sReceived – Number of 503s received in the last sampling period. • sonusSipSigPeerOvldStatusAllowedRate – Rate of calls allowed per second for this peer. • sonusSipSigPeerOvldStatusCallsRejected – Number of calls rejected in the last sampling period for peer. • sonusSipSigPeerOvldStatusCallsSent – Number of calls sent in the last sampling period for peer. • sonusSipSigPeerOvldStatusZoneId – The Zone Id for this signaling peer. |
| srvcc | <p>SRVCC (Single Radio Voice Call Continuity) configuration details. (only available for 'show table' command)</p> |

`trafficControlCurrentStatistics`

The trunk group current traffic control statistics.

- `name` – Name of the trunk group.
- `accCant` – The current number of calls cancelled due to ACC for this trunk group.
- `accSkip` – The current number of calls skipped due to ACC for this trunk group.
- `canf` – The current number of call cancelled due to CANF for this trunk group.
- `cant` – The current number of call cancelled due to CANT for this trunk group.
- `routeAttemptsIRR` – The current number of reroute attempts due to IRR for this trunk group.
- `routeAttemptsORR` – The current number of reroute attempts due to ORR for this trunk group.
- `routeAttemptsSIRR` – The current number of reroute attempts due to SIRR for this trunk group.
- `routeAttemptsSORR` – The current number of reroute attempts due to SORR for this trunk group.
- `silc` – The current number of calls cancelled due to SILC for this trunk group.
- `skip` – The current number calls skipped due to the SKIP traffic control for this trunk group.
- `strCant` – The current number of call cancelled due to STR for this trunk group.
- `strSkip` – The current number of calls skipped due to STR for this trunk group.
- `successfulIRR` – The current number of successful reroutes due to IRR for this trunk group.
- `successfulORR` – The current number of successful reroutes due to ORR for this trunk group.
- `successfulSIRR` – The current number of successful reroutes due to SIRR for this trunk group.
- `successfulSORR` – The current number of successful reroutes due to SORR for this trunk group.

`trafficControlIntervalStatistics`

The trunk group interval traffic control statistics.

- **name** – Name of the trunk group.
- **number** – The interval sequence number, or counter. The number of intervals to store are configurable. Refer to [Interval Statistics - CLI](#) for configuration details. A counter associated with a performance measurement in 15-minute intervals. The value starts from zero and increases when associated events occur until the end of the interval. At that time, the value of the counter is stored in the first 15-minute history interval, and the CurrentCount is restarted at zero. In the case where the agent has no valid data available for the current interval, the corresponding object instance is not available and upon a retrieval request a corresponding error message is returned to indicate this instance does not exist (for example, a noSuchName error for SNMPv1 and a noSuchInstance for SNMPv2 GET operation).
- **intervalValid** – A setting of 'true' indicates the interval contains valid data during the time interval. Each interval is for a configurable fixed time (default interval is 15 minutes) starting on the hour. For example, if the system starts at 12:05, the first interval at 12:15 will not be valid because it is less than the 15-minute interval. Subsequent intervals will be valid upon meeting the 15-minute time interval. System switch-overs also cause invalid intervals because data is lost during the interval.
- **accCant** – The number of calls cancelled due to ACC for this trunk group for the specified interval.
- **accSkip** – The number of calls skipped due to ACC for this trunk group for the specified interval.
- **canf** – The number of calls cancelled due to CANF for this trunk group for the specified interval.
- **cant** – The number of calls cancelled due to CANT for this trunk group for the specified interval.
- **routeAttemptsIRR** – The number of reroute attempts due to IRR for this trunk group for the specified interval.
- **routeAttemptsORR** – The number of reroute attempts due to ORR for this trunk group for the specified interval.
- **routeAttemptsSIRR** – The number of reroute attempts due to SIRR for this trunk group for the specified interval.
- **routeAttemptsSORR** – The number of reroute attempts due to SORR for this trunk group for the specified interval.
- **silc** – The number of calls cancelled due to SILC for this trunk group for the specified interval.
- **skip** – The number calls skipped due to the SKIP traffic control for this trunk group for the specified interval.
- **strCant** – The number of calls cancelled due to STR for this trunk group for the specified interval.
- **strSkip** – The number of calls skipped due to STR for this trunk group for the specified interval.
- **successfulIRR** – The number of successful reroutes due to IRR for this trunk group for the specified interval.
- **successfulORR** – The number of successful reroutes due to ORR for this trunk group for the specified interval.
- **successfulSIRR** – The number of successful reroutes due to SIRR for this trunk group for the specified interval.
- **successfulSORR** – The number of successful reroutes due to SORR for this trunk group for the specified interval.
- **time** – System up time when interval statistic is collected.

trunkGroupQoeStatus

Quality of Experience (QoE) metric for IP trunk groups in the zone.

- `name` – Name of the trunk group (TG).
- `asrCriticalThresholdExceeded` – Number of times the ASR Critical threshold was breached.
- `asrFromSBXBOOT` – Average ASR for TG from system boot.
- `asrMajorThresholdExceeded` – Number of times the ASR Major threshold was breached.
- `currentASR` – Average ASR for the TG. Sampling time is 60 seconds and window size is 15 samples.
- `currentPgrd` – Average post-gateway ringing delay value of TG.
- `egressActiveCalls` – Number of active calls on TG.
- `egressSustainedCallRate` – Sustained call rate for TG.
- `inboundRFactor` – Average RFactor for inbound streams.
- `inboundRFactorFromSBXBOOT` – Average RFactor for the inbound streams from system startup.
- `inboundRFactorNumCriticalThresholdBreached` – Number of times Critical threshold was breached (inbound RTP streams).
- `inboundRFactorNumMajorThresholdBreached` – Number of times Major threshold was breached (inbound RTP streams).
- `outboundRFactor` – Average RFactor for the outbound streams.
- `outboundRFactorFromSBXBOOT` – Average RFactor for the outbound streams from system startup.
- `outboundRFactorNumCriticalThresholdBreached` – Number of times Critical threshold was breached (outbound RTP streams).
- `outboundRFactorNumMajorThresholdBreached` – Number of times Major threshold was breached (outbound RTP streams).
- `qosDropCount` – Number of times route was dropped due to KPI threshold breach. Count is incremented as soon as the call is dropped due to QoS Threshold.

trunkGroupStatus

Status for IP trunk groups in this zone. Options are:

- **bwAvailable** – Bandwidth available for allocation. (Kbits/sec)
- **bwCurrentLimit** – Current bandwidth limit for this IP trunk group. (Kbits/sec)
- **bwInboundUsage** – Bandwidth inbound traffic usage. (Kbits/sec)
- **bwOutboundUsage** – Bandwidth outbound traffic usage. (Kbits/sec)
- **inboundCallsUsage** – Number of inbound calls for IP trunk groups configured for inbound or in both directions.
- **outboundCallsUsage** – Number of non-priority outbound of this IP trunk group.
- **packetOutDetectState** – The packet outage detection status.
- **priorityCallUsage** – Number of priority calls for IP trunk groups configured with **callReservation** state enabled.
- **state** – Current operational state of the IP trunk group.
- **totalCallsAvailable** – Sum of all available or unblocked calls for this trunk group.
- **totalCallsConfigured** – Total number of calls configured on this IP trunk group.
- **totalCallsInboundReserved** – Total number of calls on reserved inbound trunks (for IP trunk groups that are configured for inbound or in both directions).
- **totalOutboundCallsReserved** – Total number of calls on reserved outbound trunks (for IP trunk groups that are configured for outbound or in both directions).

Zone Current Statistics

Command Syntax

```
> show status addressContext <addressContext_name> zoneCurrentStatistics <zone name>  
egressFailBWLlimit | egressFailCallLimit | egressFailCallPolicing | egressSipRegFailLimit |  
egressSipRegPolicing | ingressFailBWLlimit | ingressFailCallLimit | ingressFailCallPolicing |  
ingressSipRegFailLimit | ingressSipRegPolicing | videoThresholdLimit
```

Command Parameters

Table 2: Zone Current Statistics Parameters

| Parameter | Description |
|-----------|-------------|
|-----------|-------------|

| | |
|------------------------------------|--|
| <code>zoneCurrentStatistics</code> | <p>This object displays current statistics for the specified zone. Fields displayed are:</p> <ul style="list-style-type: none"> • <code>name</code> – The name of this zone. • <code>egressFailBWLlimit</code> – The number of outgoing calls failed due to Bandwidth Limit check on the specified zone. • <code>egressFailCallLimit</code> – The number of outgoing calls failed due to Call Limit check on the specified zone. • <code>egressFailCallPolicing</code> – The number of outgoing calls failed due to Call Policer check on the specified zone. • <code>egressSipRegFailLimit</code> – The number of outgoing SIP Registrations failed due to Registrations Limit check on the specified zone. • <code>egressSipRegPolicing</code> – The number of outgoing SIP Registrations failed due to egress Policer check on the specified zone. • <code>ingressFailBWLlimit</code> – The number of incoming calls failed due to Bandwidth Limit check on the specified zone. • <code>ingressFailCallLimit</code> – The number of incoming calls failed due to Call Limit check on the specified zone. • <code>ingressFailCallPolicing</code> – The number of incoming calls failed due to Call Policer check on the specified zone. • <code>ingressSipRegFailLimit</code> – The number of incoming SIP Registrations failed due to Registrations Limit check on the specified zone. • <code>ingressSipRegPolicing</code> – The number of incoming SIP Registrations failed due to ingress Policer check on the specified zone. • <code>videoThresholdLimit</code> – The number of video streams that exceeded the threshold limit for this zone. |
|------------------------------------|--|

Zone Interval Statistics

Command Syntax

```

> show status addressContext <addressContext_name> zoneIntervalStatistics <counter*>
egressFailBWLlimit | egressFailCallLimit | egressFailCallPolicing | egressSipRegFailLimit |
egressSipRegPolicing | ingressFailBWLlimit | ingressFailCallLimit | ingressFailCallPolicing |
ingressSipRegFailLimit | ingressSipRegPolicing | intervalValid | time | videoThresholdLimit

```

Command Parameters

Table 3: Zone Interval Statistics Parameters

| Parameter | Description |
|---|--|
| <code>zoneIntervalStatistics <counter></code> | This object displays interval statistics for the specified zone. Fields displayed are: |

- **number** – The interval sequence number. The number of intervals to store are configurable. Refer to [Interval Statistics - CLI](#) for configuration details.
- **name** – The name of this zone.
- **intervalValid** – A setting of 'true' indicates the interval contains valid data during the time interval. Each interval is for a configurable fixed time (default interval is 15 minutes) starting on the hour. For example, if the system starts at 12:05, the first interval at 12:15 will not be valid because it is less than the 15-minute interval. Subsequent intervals will be valid upon meeting the 15-minute time interval. System switch-overs also cause invalid intervals because data is lost during the interval.
- **time** – System up time when the interval statistics is collected.
- **egressFailBWLimit** – The number of outgoing calls failed due to Bandwidth Limit check on the specified zone for the specified interval.
- **egressFailCallLimit** – The number of outgoing calls failed due to Call Limit check on the specified zone for the specified interval.
- **egressFailCallPolicing** – The number of outgoing calls failed due to Call Policer check on the specified zone for the specified interval.
- **egressSipRegFailLimit** – The number of outgoing SIP Registrations failed due to Registrations Limit check on the specified zone for the specified interval.
- **egressSipRegPolicing** – The number of outgoing SIP Registrations failed due to egress Policer check on the specified zone for the specified interval.
- **ingressFailBWLimit** – The number of incoming calls failed due to Bandwidth Limit check on the specified zone for the specified interval.
- **ingressFailCallLimit** – The number of incoming calls failed due to Call Limit check on the specified zone for the specified interval.
- **ingressFailCallPolicing** – The number of incoming calls failed due to Call Policer check on the specified zone for the specified interval.
- **ingressSipRegFailLimit** – The number of incoming SIP Registrations failed due to Registrations Limit check on the specified zone for the specified interval.
- **ingressSipRegPolicing** – The number of incoming SIP Registrations failed due to ingress Policer check on the specified zone for the specified interval.
- **videoThresholdLimit** – The number of video streams that exceeded the threshold limit for this zone for the specified interval.

INFO: The [<counter>](#) is associated with a performance measurement in a previous 15-minute measurement interval. In the case where the agent has no valid data available for a particular interval, the corresponding object instance is not available; and upon a retrieval request a corresponding error message is returned to indicate that this instance does not exist (for example, a noSuchName error for SNMPv1 and a noSuchInstance for SNMPv2 GET operation).

In a system supporting a history of 'n' intervals with IntervalCount(1) and IntervalCount(n) the most and least recent intervals respectively, the following applies at the end of a 15-minute interval:

- discard the value of IntervalCount(n)
- the value of IntervalCount(i) becomes that of IntervalCount(i-1) for n >= i > 1
- the value of IntervalCount(1) becomes that of CurrentCount
- the TotalCount, if supported, is adjusted.

Zone Status

Command Syntax

```
> show status addressContext <addressContext_name> zoneStatus <zone name>
activeSipRegCount | bwAvailable | bwCurrentLimit | bwInboundUsage | bwOutboundUsage |
emergencyCallsBwUsage | inboundCallsUsage | outboundCallsUsage | priorityCallUsage |
totalCallsAvailable | totalCallsConfigured
```

Command Parameters

Table 4: Zone Status Parameters

| Parameter | Description |
|-------------------------|---|
| <code>zoneStatus</code> | <p>Current status for zones in this address context.</p> <ul style="list-style-type: none"> • <code>activeSipRegCount</code> – The number of SIP registrations active across all IP trunks in this zone. • <code>bwAvailable</code> – The amount of bandwidth available for allocation in this zone. (Kbits/second) • <code>bwCurrentLimit</code> – The media bandwidth limit for this zone. The bandwidth limit is initially set to the configured bandwidth limit, but may be reduced due to packet outage detection events. (Kbits/second) • <code>bwInboundUsage</code> – The amount of media bandwidth in use for inbound traffic in this zone. (Kbits/second) • <code>bwOutboundUsage</code> – The amount of media bandwidth in use for outbound traffic in this zone. (Kbits/second) • <code>emergencyCallsBwUsage</code> – The amount of media bandwidth in use for emergency calls across in this zone. (Kbits/second) • <code>inboundCallsUsage</code> – The current number of inbound or incoming calls in this Zone. <p>NOTE: This statistic only applies for zones configured for inbound or in both directions.</p> <ul style="list-style-type: none"> • <code>outboundCallsUsage</code> – The current number of outbound non-priority calls in this zone. • <code>priorityCallUsage</code> – The current number of priority calls in this zone. <p>NOTE: This statistic only applies for zones configured with <code>callReservation</code> state enabled.</p> <ul style="list-style-type: none"> • <code>totalCallsAvailable</code> – The sum of all available or unblocked calls in this zone. • <code>totalCallsConfigured</code> – The total number of calls configured (allowed) in this zone. |

Command Examples

To show zone current statistics:

```
admin@SBX15> show status addressContext default zoneCurrentStatistics
zoneCurrentStatistics defaultSigZone {
  ingressFailCallLimit    0;
  egressFailCallLimit    0;
  ingressFailCallPolicing 0;
  egressFailCallPolicing 0;
  ingressFailBWLimit     0;
  egressFailBWLimit     0;
  ingressSipRegFailLimit 0;
  egressSipRegFailLimit 0;
  ingressSipRegPolicing  0;
  egressSipRegPolicing   0;
}
```

