

Show Status Address Context

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Common Call Statistics Terminology	
Stable Calls	Calls that are established and fully stable (connected and media cut-through type of calls) and will survive a fail-over. This excludes calls in establishing, clearing and updating states which will not survive a fail-over.
Active Calls	A snapshot of total number of active calls on the SBC at the point of execution of the status command. This count reflects the actual live calls on the box independent of the state of the call (setup, stable, updating or clearing).
Call Attempts	Accumulative number of attempted calls on this system since the last reboot/start-up, including calls where a setup was sent/received, uncompleted calls (calls failed, busy, not answered, etc.) and calls completed (answered).
Call Completions	Accumulative number of calls completed on this system since the last reboot/start-up.

The SBC allows the operator to access data from the **current interval** and from the **interval statistics table** related to each object being monitored. The current interval consists of a statistics table entry that is accumulating data for the next interval report. The interval statistics table is a series of statistics table entries containing data from the most recently completed *n* intervals (where *n* is the number of intervals in the retention policy configuration).



Note

[Refer to Links to Statistics Pages to navigate to a particular EMA or CLI statistics page.](#)



Note

If using the EMS in your network, configure EMS PM data collection intervals for the SBC to be both:

- Equal to or greater than the SBC intervals size, and
- Not less than the SBC interval size multiplied by the SBC number of intervals.

Refer to [Insight EMS User Guide](#) for configuration details.



SBC intentionally does not display results of all calls when there is a high volume of traffic for the statistics below. This limitation is built into the SBC software to avoid excessive CPU usage and system timeouts.

- sipActiveGroupRegStatus
- sipActiveRegisterNameStatus
- sipDeletedRegisterNameStatus
- sipSigConnStatus
- sipSigTlsSessionStatus

Address Context

Command Syntax

```
> show status addressContext
cacOffenderStatus
callDetailStatusDetail
callMediaStatusDetail
callSummaryStatusDetail
diamNode
dnsGroup
dynamicBlackList
enhancedDBL
intercept
ipAccessControlList
ipInterfaceGroup
ipRouteStatus
ipsec
linkDetectionGroup
linkDetectionGroupStatistics
linkDetectionGroupStatus
logicalSigAddressBindingStatus
relayCurrentStatistics
relayIntervalStatistics
relaySessionStats
sipActiveGroupRegStatus
sipActiveGroupRegSummaryStatus
sipActiveRegisterNameStatus
sipDeletedRegStatus
sipDeletedRegisterNameStatus
sipGeneratedSubscriptionStatus
sipRegCountStatistics
sipSubCountStatistics
sipSubscriptionCountStatistics
sipSubscriptionStatus
surrRegCountStatistics
zone
zoneCurrentStatistics
zoneIntervalStatistics
zoneStatus
```

Command Parameters

Table 1: Address Context Parameters

Parameter	Description
cacOffenderStatus	This object displays recent SIP endpoint CAC offender details at the aggregate level (as opposed to the Address Context level) since the last system boot or restart. Go to Show Status Address Context - CAC Offender Status for details.
callDetailStatusDetail	Call status details per address context. Go to Show Status Address Context - Call Status Details for details.
callMediaStatusDetail	Call media status details per address context. Go to Show Table Address Context - Call Status Details for details.

callSummaryStatusDetail	<p>Call summary details per address context.</p> <p>Go to Show Table Address Context - Call Status Details for details.</p>
diamNode	<p>Diameter node configuration details.</p> <p>Go to Show Status Address Context - Diameter Node for details.</p>
dnsGroup	<p>DNS Server Groups in this address context.</p> <p>Go to Show Status Address Context - DNS Group for details.</p>
dynamicBlackList	<p>The collection of DBL policers.</p> <p>Go to Show Status Address Context - Dynamic Blacklist for details.</p>
enhancedDBL	<p>The enhanced DBL related operations.</p> <p>Go to Show Status Address Context - Enhanced DBL Status for details.</p>
intercept	<p>Lawful Intercept Call Data Channel statistics details.</p> <p>Go to Show Status Address Context - Intercept for details.</p>
ipAccessControlList	<p>IP Access Control list details for this address context.</p> <p>Go to Show Status Address Context - IP Access Control List for details.</p>
ipInterfaceGroup	<p>IP Interface Group details for this address context.</p> <p>Go to Show Status Address Context - IP Interface Group for details.</p>
ipRouteStatus	<p>IP route details including the local IP interfaces and protocols associated with the next hop routes.</p> <p>Go to Show Status Address Context - IP Route Status</p>
ipsec	<p>IPsec configuration, security policy database, IKE peer table.</p> <p>Go to Show Status Address Context - IPsec</p>
linkDetectionGroup	<p>Link Detection Groups in this address context.</p> <p>Go to Show Status Address Context - Link Detection Group</p>
linkDetectionGroupStatistics	<p>Statistics for link failure detected per link detection group.</p> <p>Go to Show Status Address Context - Link Detection Group</p>
linkDetectionGroupStatus	<p>The status of a link detection group.</p> <p>Go to Show Status Address Context - Link Detection Group</p>
logicalSigAddressBindingStatus	<p>The collection of logical signaling address bindings</p> <p>Go to Show Status Address Context - Logical Signal Address Binding Status</p>

relayCurrentStatistics	Relay count current statistics Go to Show Status Address Context - Relay Statistics
relayIntervalStatistics	Relay count interval statistics Go to Show Status Address Context - Relay Statistics
relaySessionStats	Relay session statistics Go to Show Status Address Context - Relay Statistics
sipActiveGroupRegStatus	This table presents the active SIP registration status for a list of SIP endpoints with unique id. Go to Show Status Address Context - SIP Registration Status
sipActiveGroupRegSummaryStatus	This table presents the active SIP registration status summary for a list of SIP endpoints. Go to Show Status Address Context - SIP Registration Status
sipActiveRegisterNameStatus	This table presents the active SIP registration status for a list of SIP endpoints. Go to Show Status Address Context - SIP Registration Status
sipDeletedRegStatus	This table presents the deleted SIP registration status for a list of SIP endpoints with unique id. Go to Show Status Address Context - SIP Registration Status
sipDeletedRegisterNameStatus	This table presents the deleted SIP registration status for a list of SIP endpoints. Go to Show Status Address Context - SIP Registration Status
sipGeneratedSubscriptionStatus	This table presents the active SIP subscription status for a list of SIP endpoints.
sipRegCountStatistics	This table presents SIP registration count statistics for the SIP endpoints. Go to Show Status Address Context - SIP Registration Status
sipSubCountStatistics	This table presents SIP relayed subscription count statistics for the SIP endpoints Go to Show Status Address Context - SIP Subscription Status

sipSubscriptionCountStatistics	<p>This table presents SIP subscription count statistics for the SIP endpoints.</p> <p>Go to Show Status Address Context - SIP Subscription Status</p>
sipSubscriptionStatus	<p>This table presents the active SIP subscription status for a list of SIP endpoints.</p> <p>Go to Show Status Address Context - SIP Subscription Status</p>
surrRegCountStatistics	<p>This table presents Surrogate registration count statistics for the SIP endpoints.</p> <p>Go to Show Status Address Context - Surrogate Registration Count Statistics</p>
zone	<p>Signaling, media, and control for a zone in the address context.</p> <p>Go to Show Status Address Context - Zone</p>
zoneCurrentStatistics	<p>The Zone Statistics Current table.</p> <p>Go to Show Status Address Context - Zone</p>
zoneIntervalStatistics	<p>The Zone Statistics Interval table.</p> <p>Go to Show Status Address Context - Zone</p>
zoneStatus	<p>The current status for zones in this address context.</p> <p>Go to Show Status Address Context - Zone</p>

Command Examples

General Examples

To display the link Detection Group Status:

```

> show status addressContext default linkDetectionGroup
  MGMT_LDG2 linkMonitorStatus MGMT_LM2
  {
  monitorStatus monitoring;
  linkStatus up;
  }
  linkMonitorStatus MGMT_LM4
  {
  monitorStatus portDown;
  linkStatus portDown;
  }
  linkMonitorStatistics MGMT_LM2
  {
  minTime 336;
  maxTime 740;
  averageTime 375;
  singleFailures 0;
  doubleFailures 0;
  failures 0;
  replies 13;
  duplicateReplies 0;
  lateReplies 0;
  }
  linkMonitorStatistics MGMT_LM4
  {
  minTime 0;
  maxTime 0;
  averageTime 0;
  singleFailures 0;
  doubleFailures 0;
  failures 1;
  replies 0;
  duplicateReplies 0;
  lateReplies 0;
  }

```

To view default ACL statistics details:

```

> show status addressContext default ipAccessControlList defaultAclStatistics
defaultAclStatistics 9 {
  protocol          UDP;
  application        dns_udp_guest;
  addressContextId  *;
  lifGrpId          *;
  sourceIpAddress   "** (53)";
  destinationIpAddress "** (0)";
  policingMode      PktRate;
  bucketSize        "50 pkt";
  creditRate        "1000 pkt/s";
  polId             0;
  polPriority        0;
  packetAccept      0;
  packetDiscard     0;
  aggPol            none;
  owner             vm;
  vmGuestId         Vm1;
}

```

Examples Showing Audio and Video Usage

Audio-Only CLI Output

```
admin@SBC01> show status addressContext default ipInterfaceGroup IG1
ipInterfaceStatus IF1 {
  ifindex          13;
  operState        resAllocated;
  oosReason        notApplicable;
  rxPackets        6488;
  txPackets        140;
  allocatedBandwidth 15800;
  actualBandwidth  0;
  bwDeviation      0;
  numMediaStreams  1;
}
[ok][2014-07-17 16:47:26]

admin@SBC01> show status addressContext default ipInterfaceGroup IG2
ipInterfaceStatus IF2 {
  ifindex          14;
  operState        resAllocated;
  oosReason        notApplicable;
  rxPackets        270;
  txPackets        2626;
  allocatedBandwidth 15800;
  actualBandwidth  0;
  bwDeviation      0;
  numMediaStreams  1;
}
[ok][2014-07-17 16:47:28]

admin@SBC01> show status addressContext default zone ZONE_IN_PCR1377 trunkGroupStatus
trunkGroupStatus TG_IN_PCR1377 {
  state              inService;
  totalCallsAvailable -1;
  totalCallsInboundReserved 0;
  inboundCallsUsage  1;
  outboundCallsUsage 0;
  totalCallsConfigured -1;
  priorityCallUsage  0;
  totalOutboundCallsReserved 0;
  bwCurrentLimit     -1;
  bwAvailable         -1;
  bwInboundUsage     124;
  bwOutboundUsage    0;
  packetOutDetectState normal;
}
[ok][2014-07-17 16:47:36]

admin@SBC01> show status addressContext default zone ZONE_OUT_PCR1377 trunkGroupStatus
trunkGroupStatus TG_OUT_PCR1377 {
  state              inService;
  totalCallsAvailable -1;
  totalCallsInboundReserved 0;
  inboundCallsUsage  0;
  outboundCallsUsage 1;
  totalCallsConfigured -1;
  priorityCallUsage  0;
  totalOutboundCallsReserved 0;
  bwCurrentLimit     -1;
  bwAvailable         -1;
  bwInboundUsage     0;
  bwOutboundUsage    124;
  packetOutDetectState normal;
}
}
```

Video-Only CLI Output

```
admin@SBC01> show status addressContext default ipInterfaceGroup IG2
ipInterfaceStatus IF2 {
  ifindex          14;
  operState        resAllocated;
  oosReason         notApplicable;
  rxPackets         236;
  txPackets         1318;
  allocatedBandwidth 128000;
  actualBandwidth   21008;
  bwDeviation        0;
  numMediaStreams   1;
}
[ok][2014-07-17 16:33:21]

admin@SBC01> show status addressContext default ipInterfaceGroup IG1
ipInterfaceStatus IF1 {
  ifindex          13;
  operState        resAllocated;
  oosReason         notApplicable;
  rxPackets         5343;
  txPackets         126;
  allocatedBandwidth 128000;
  actualBandwidth   23648;
  bwDeviation        0;
  numMediaStreams   1;
}
[ok][2014-07-17 16:33:25]

admin@SBC01> show status addressContext default zone ZONE_IN_PCR1377 trunkGroupStatus
trunkGroupStatus TG_IN_PCR1377 {
  state             inService;
  totalCallsAvailable -1;
  totalCallsInboundReserved 0;
  inboundCallsUsage 1;
  outboundCallsUsage 0;
  totalCallsConfigured -1;
  priorityCallUsage 0;
  totalOutboundCallsReserved 0;
  bwCurrentLimit -1;
  bwAvailable -1;
  bwInboundUsage 1000;
  bwOutboundUsage 0;
  packetOutDetectState normal;
}

admin@SBC01> show status addressContext default zone ZONE_OUT_PCR1377 trunkGroupStatus
trunkGroupStatus TG_OUT_PCR1377 {
  state             inService;
  totalCallsAvailable -1;
  totalCallsInboundReserved 0;
  inboundCallsUsage 0;
  outboundCallsUsage 1;
  totalCallsConfigured -1;
  priorityCallUsage 0;
  totalOutboundCallsReserved 0;
  bwCurrentLimit -1;
  bwAvailable -1;
  bwInboundUsage 0;
  bwOutboundUsage 1000;
  packetOutDetectState normal;
}
```

Both Audio and Video CLI Output


```

admin@SBC01> show status addressContext default ipInterfaceGroup IG1
ipInterfaceStatus IF1 {
    ifindex          13;
    operState        resAllocated;
    oosReason         notApplicable;
    rxPackets         6502;
    txPackets         154;
    allocatedBandwidth 143800;
    actualBandwidth   0;
    bwDeviation       0;
    numMediaStreams   2;
}
[ok][2014-07-17 16:55:12]

admin@SBC01> show status addressContext default ipInterfaceGroup IG2
ipInterfaceStatus IF2 {
    ifindex          14;
    operState        resAllocated;
    oosReason         notApplicable;
    rxPackets         281;
    txPackets         2635;
    allocatedBandwidth 143800;
    actualBandwidth   0;
    bwDeviation       0;
    numMediaStreams   2;
}
[ok][2014-07-17 16:55:19]

admin@SBC01> show status addressContext default zone ZONE_IN_PCR1377 trunkGroupStatus
trunkGroupStatus TG_IN_PCR1377 {
    state             inService;
    totalCallsAvailable -1;
    totalCallsInboundReserved 0;
    inboundCallsUsage 1;
    outboundCallsUsage 0;
    totalCallsConfigured -1;
    priorityCallUsage 0;
    totalOutboundCallsReserved 0;
    bwCurrentLimit -1;
    bwAvailable -1;
    bwInboundUsage 1124;
    bwOutboundUsage 0;
    packetOutDetectState normal;
}
[ok][2014-07-17 16:55:31]

admin@SBC01> show status addressContext default zone ZONE_OUT_PCR1377 trunkGroupStatus
trunkGroupStatus TG_OUT_PCR1377 {
    state             inService;
    totalCallsAvailable -1;
    totalCallsInboundReserved 0;
    inboundCallsUsage 0;
    outboundCallsUsage 1;
    totalCallsConfigured -1;
    priorityCallUsage 0;
    totalOutboundCallsReserved 0;
    bwCurrentLimit -1;
    bwAvailable -1;
    bwInboundUsage 0;
    bwOutboundUsage 1124;
    packetOutDetectState normal;
}

```

```
> show addressContext default sipActiveRegisterNameStatus
sipActiveRegisterNameStatus Sonus@10.54.8.191 268 {
  state completed;
  contactURI sip:Sonus@10.70.52.91:5070;
  nextHopIpAddress 10.70.52.91;
  nextHopPortNum 5070;
  registrarIpAddress 10.128.254.86;
  registrarPortNum 5090;
  externalExpirationTime 3598;
  internalExpirationTime 3600;
  creationTime 2014-06-27T09:35:54+00:00;
  registrarDomainName "";
  endPointBehindNapt 0;
  natPinholeLearningStatus none;
  securityMechanismType none;
  isRoaming 1;
}
```

To view SIP Peer CAC Status details:

```
show status addressContext addr_1 zone ZONE_IAD sipPeerCacStatus
sipPeerCacStatus " 10.54.80.151 0 nonRegistrantSipPeer {
    createdAt                2017-05-15T12:08:16+00:00;
    ingressCallsAllowed      19;
    ingressCallsActive       1;
    ingressCallRejectsLimit  28;
    ingressCallRejectsRate   0;
    egressCallsAllowed       0;
    egressCallsActive        0;
    egressCallRejectsLimit   0;
    egressCallRejectsRate    0;
    state                    enabled;
    ingressDblAggregateMessagesAllowed 0;
    ingressDblAggregateMessageRejectsRate 0;
    egressDblAggregateMessagesAllowed 0;
    egressDblAggregateMessageRejectsRate 0;
    ingressMessagesAllowed 0;
    ingressMessageRejectsRate 0;
    egressMessagesAllowed 0;
    egressMessageRejectsRate 0;
    ingressNotifysAllowed 0;
    ingressNotifyRejectsRate 0;
    egressNotifysAllowed 0;
    egressNotifyRejectsRate 0;
    ingressOptionsAllowed 0;
    ingressOptionsRejectsRate 0;
    egressOptionsAllowed 0;
    egressOptionsRejectsRate 0;
    ingressOtherRequestsAllowed 59;
    ingressOtherRequestsRejectsRate 0;
    egressOtherRequestsAllowed 0;
    egressOtherRequestsRejectsRate 0;
    ingressRefersAllowed 0;
    ingressReferRejectsRate 0;
    egressRefersAllowed 0;
    egressReferRejectsRate 0;
    ingressResponsesAllowed 0;
    ingressResponseRejectsRate 0;
    egressResponsesAllowed 0;
    egressResponseRejectsRate 0;
    ingressSubscribesAllowed 0;
    ingressSubscribeRejectsRate 0;
    egressSubscribesAllowed 0;
    egressSubscribeRejectsRate 0;
    bandwidthRejectsLimit 0;
    videoThresholdLimit 0;
}
```

