



show cscf

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show cscf nat media mapping all

Table 1: show cscf nat media mapping all Command Output Descriptions

| Field | Description |
|-------------------|--|
| UE-Origin | The IP address and port number of the UE origin. |
| UE-Destination | The IP address and port number of the UE destination. |
| Nwk-Origin | The IP address and port number of the network origin. |
| Nwk-Destination | The IP address and port number of the network destination. |
| Nwk-Core-context | The context in which the network core configuration resides. |
| UE-Access-context | The context in which the UE access configuration resides. |

show cscf peer-servers full

Table 2: show cscf peer-servers full Command Output Descriptions

| Field | Description |
|----------------------------------|--|
| Peer-Server name | The name of the peer server group. |
| Context | The context in which the peer server group configuration resides. |
| Server type | The type of servers in the peer server group. |
| Hunting-method | The hunting method used by the servers in the peer server group. |
| server | The name of the peer server. |
| Address | The IP address of the peer server expressed in IPv4 or IPv6 dotted decimal notation. |
| domain | The domain name of the peer server. |
| Monitor status | The monitoring status of the peer servers as determined by the CLI command Enabled/Disabled. |
| monitor-interval (seconds) | The time period, in seconds, between monitor intervals. |
| monitor-message | The SIP message (OPTIONS) to be sent after each monitoring interval. |
| monitor-response-timer (seconds) | The response wait timer, in seconds, for each monitor message. |
| Server mode | The mode of the peer server as determined by the CLI command Active/Standby. |
| Server status | The status of the peer server. Possible statuses are: <ul style="list-style-type: none"> • OUT_OF_SERVICE — Peer server mode changed to standby through CLI command. • AVAILABLE — Peer server mode is Active and peer server sends response to monitor message. • UNAVAILABLE— Peer server mode is Active, however, peer server does not send response to monitor message. |
| Network session template | Binds the nw-session-template name with the peer server. |
| IMS Capable | Indicates if the peer server is ims-capable or not. |
| Request Rx | The number of requests received by the sip-as peer server from S-CSCF during load balancing. |

show cscf service li-packet-cable statistics

Refer to the *ASR 5000 Lawful Intercept Configuration Guide* for descriptions of these statistics.

show cscf service statistics name <service_name> all

Table 3: show cscf service statistics name <service_name> all Command Output Descriptions

| Field | Description |
|----------------------------------|---|
| CSCF Service | The name of the service and context. |
| CSCF Active Subscriptions | |
| Originating | The total current number of active subscriptions originating on this service. |
| Terminating (UE originated) | The total current number of UE-originated active subscriptions terminating on this service. |
| Terminating (PCSCF Originated) | The total current number of Proxy CSCF-originated active subscriptions terminating on this service. |
| Terminating (AS Originated) | The total current number of AS-originated active subscriptions terminating on this service. |
| Proxied | The total current number of active subscriptions proxied on this service. |
| CSCF Calls | |
| Total CallSetupAttempts Rx | The total current number of call setup attempts received by this service. |
| Total CallSetupAttempts Tx | The total current number of call setup attempts transmitted by this service. |
| Total CallSetupSuccess Rx | The total current number of successful call setups received by this service. |
| Total CallSetupSuccess Tx | The total current number of call setups successfully transmitted by this service. |
| Total CallSetupFailures Rx | The total current number of call setup failures received by this service. |
| Total CallSetupFailures Tx | The total current number of failed call setups transmitted by this service. |
| Total 3xx Responses Rx | The total current number of 3xx responses received by this service. |

| Field | Description |
|----------------------------------|--|
| Total 3xx Responses Tx | The total current number of 3xx responses transmitted by this service. |
| Total 402 Payment Required Rx | The total current number of 402 Payment Required responses received by this service. |
| Total 402 Payment Required Tx | The total current number of 402 Payment Required responses transmitted by this service. |
| Total 403 Forbidden Rx | The total current number of 403 Forbidden responses received by this service. |
| Total 403 Forbidden Tx | The total current number of 403 Forbidden responses transmitted by this service. |
| Total 404 Not Found Rx | The total current number of 404 Not Found responses received by this service. |
| Total 404 Not FoundTx | The total current number of 404 Not Found responses transmitted by this service. |
| Total 405 Method Not Allowed Rx | The total current number of 405 Method Not Allowed responses received by this service. |
| Total 405 Method Not AllowedTx | The total current number of 405 Method Not Allowed responses transmitted by this service. |
| Total 407 Proxy Auth Required Rx | The total current number of 407 Proxy Auth Required responses received by this service. |
| Total 407 Proxy Auth Required Tx | The total current number of 407 Proxy Auth Required responses transmitted by this service. |
| Total 408 Request Timeout Rx | The total current number of 408 Request Timeout responses received by this service. |
| Total 408 Request Timeout Tx | The total current number of 408 Request Timeout responses transmitted by this service. |
| Total 420 Bad Extension Rx | The total current number of 420 Bad Extension responses received by this service. |
| Total 420 Bad Extension Tx | The total current number of 420 Bad Extension responses transmitted by this service. |
| Total 421 Extension Required Rx | The total current number of 421 Extension Required responses received by this service. |
| Total 421 Extension Required Tx | The total current number of 421 Extension Required responses transmitted by this service. |
| Total 480 Temp Not Available Rx | The total current number of 480 Temp Not Available responses received by this service. |

| Field | Description |
|-----------------------------------|---|
| Total 480 Temp Not Available Tx | The total current number of 480 Temp Not Available responses transmitted by this service. |
| Total 486 Busy Here Rx | The total current number of 486 Busy Here responses received by this service. |
| Total 486 Busy Here Tx | The total current number of 486 Busy Here responses transmitted by this service. |
| Total 487 Request Cancel Rx | The total current number of 487 Request Cancel responses received by this service. |
| Total 487 Request Cancel Tx | The total current number of 487 Request Cancel responses transmitted by this service. |
| Total 488 Not Acceptable Media Rx | The total current number of 488 Not Acceptable Media responses received by this service. |
| Total 488 Not Acceptable Media Tx | The total current number of 488 Not Acceptable Media responses transmitted by this service. |
| Total 4xx Responses Rx | The total current number of 4xx responses received by this service. |
| Total 4xx Responses Tx | The total current number of 4xx responses transmitted by this service. |
| Total 5xx Responses Rx | The total current number of 5xx responses received by this service. |
| Total 5xx Responses Tx | The total current number of 5xx responses transmitted by this service. |
| Total 500 Internal Error Rx | The total current number of 500 Internal Error responses received by this service. |
| Total 500 Internal Error Tx | The total current number of 500 Internal Error responses transmitted by this service. |
| Total 503 Service Unavailable Rx | The total current number of 503 Service Unavailable responses received by this service. |
| Total 503 Service Unavailable Tx | The total current number of 503 Service Unavailable responses transmitted by this service. |
| Total 6xx Responses Rx | The total current number of 6xx responses received by this service. |
| Total 6xx Responses Tx | The total current number of 6xx responses transmitted by this service. |
| Total CallReleaseAttempts Rx | The total current number of call release attempts received by this service. |
| Total CallReleaseAttempts Tx | The total current number of call release attempts transmitted by this service. |

| Field | Description |
|--|---|
| Total CallReleaseSuccess Rx | The total current number of call releases successfully received by this service. |
| Total CallReleaseSuccess Tx | The total current number of successful call releases transmitted by this service. |
| Total CallReleaseFailures Rx | The total current number of call release failures received by this service. |
| Total CallReleaseFailures Tx | The total current number of failed call releases transmitted by this service. |
| Total Call Attempts Challenged | The total current number of call attempts challenged on this service. |
| Total Session Timer Expires | The total current number of sessions on this service with expired timers. |
| Total Call Rejects from PCRF/PDF | The total current number of calls rejected by the PCRF/PDF from this service. |
| Total Call Rejects from Proxy (local) | The total current number of calls rejected by the local proxy from this service. |
| Total Too Large SIP Messages | The total current number of too large SIP messages on this service. |
| Total HSS Accesses | The total current number of HSS accesses by this service. |
| Total Emergency Calls | The total current number of emergency calls made through this service. |
| Total Toll Free Calls | The total current number of toll-free calls made through this service. |
| Total Premium Service Calls | The total current number of premium-service calls made through this service. |
| Total International Calls | The total current number of international calls made through this service. |
| Total LongDistance Calls | The total current number of long distance calls made through this service. |
| Total Operator Assisted Calls | The total current number of operator-assisted calls made through this service. |
| Total Directory Assisted Calls | The total current number of directory-assisted calls made through this service. |
| Total Media (audio) Loss Call Releases | The total current number of media (audio) loss call releases by this service. |
| Total RTP Packets Sent | The total current number of RTP packets sent by this service. |

| Field | Description |
|--|--|
| Total RTP Packets Received | The total current number of RTP packets received by this service. |
| Total MSRP Packets Sent | The total current number of MSRP TCP packets sent by this service. |
| Total MSRP Packets Received | The total current number of MSRP TCP packets received by this service. |
| Total RTCP Packets Sent | The total current number of RTCP packets sent by this service. |
| Total RTCP Packets Received | The total current number of RTCP packets received by this service. |
| Total Call Releases initiated by UE | The total current number of UE-initiated call releases. <ul style="list-style-type: none"> • For P-CSCF, the number of BYE initiated by UE. • For S-CSCF, the number of BYE received from P-CSCF (initiated by UE/P-CSCF). |
| Total Call Releases initiated by Network | The total current number of network-initiated call releases. <ul style="list-style-type: none"> • For P-CSCF, the number of BYE received from S-CSCF. • For S-CSCF, the number of BYE received from AS, etc. |
| Total Call Releases initiated by Radio Loss | The total current number of Radio Loss-initiated call releases; the number of BYE originated by P-CSCF due to radio coverage loss of UE. |
| Total Call Releases initiated by CSCF (Local) | The total current number of CSCF (Local)-initiated call releases; the number of BYE originated by CSCF due to CLI, radio loss, network-initiated de-registration, and internal processing failure. |
| Total Calls rejected due to Concurrent Call limit exceeded | The total current number of calls rejected due to concurrent call limit exceeded by this service. |
| CSCF Congestion Control Statistes | |
| Registration Attempts Rejected | The total current number of registration (SIP REGISTER message) attempts rejected by CSCF service due to congestion trigger. |
| Re-Registration Attempts Rejected | The total current number of re-registration (SIP REGISTER message) attempts rejected by CSCF service due to congestion trigger. |
| Call Setup Attempts Rejected | The total current number of call setup attempts (SIP INVITE) rejected by CSCF service due to congestion trigger. |
| Message Attempts Rejected | The total current number of SIP MESSAGE requests rejected by CSCF service due to congestion trigger. |
| Subscription Attempts Rejected | The total current number of SIP SUBSCRIBE requests rejected by CSCF service due to congestion trigger. |

show cscf service statistics name <service_name> all

| Field | Description |
|---------------------------------------|--|
| Notification Attempts Rejected | The total current number of SIP NOTIFY requests rejected by CSCF service due to congestion trigger. |
| Publish Attempts Rejected | The total current number of SIP PUBLISH attempts rejected by CSCF service due to congestion trigger. |
| Other SIP Message Attempts Rejected | The total current number of other SIP requests (excepts those mentioned above) rejected by CSCF service due to congestion trigger. |
| Messages dropped due to congestion | The total current number of SIP messages dropped by CSCF service due to congestion trigger. |
| TCP packets dropped due to congestion | The total current number of TCP packets dropped by CSCF service due to congestion trigger. |
| Number of times congestion applied | The number of times the sessmgr congestion control is triggered. This value is collected from all sessmgrs running the CSCF service. |
| Number of times congestion cleared | The number of times the sessmgr congestion control is cleared. This value is collected from all sessmgrs running the CSCF service. |
| CSCF MESSAGE Statistics | |
| Message Attempts Received | The total current number of message attempts received by this service. |
| Message Attempts Transmitted | The total current number of message attempts transmitted by this service. |
| Message Success Received | The total current number of successful messages received by this service. |
| Message Success Transmitted | The total current number of messages successfully transmitted by this service. |
| Message Failures Received | The total current number of message failures received by this service. |
| Message Failures Transmitted | The total current number of failed messages transmitted by this service. |
| 3xx Response Received | The total current number of 3xx Response messages received on this service. |
| 3xx Response Transmitted | The total current number of 3xx Response messages transmitted by this service. |
| 400 Bad Request Received | The total current number of 400 Bad Request messages received on this service. |

| Field | Description |
|--------------------------------------|--|
| 400 Bad Request Transmitted | The total current number of 400 Bad Request messages transmitted by this service. |
| 403 Forbidden Received | The total current number of 403 Forbidden messages received on this service. |
| 403 Forbidden Transmitted | The total current number of 403 Forbidden messages transmitted by this service. |
| 404 Not Found Received | The total current number of 404 Not Found messages received on this service. |
| 404 Not Found Transmitted | The total current number of 404 Not Found messages transmitted by this service. |
| 413 Request Entity Too Large | The total current number of 413 Request Entity Too Large messages received on this service. |
| 413 Request Entity Too Large | The total current number of 413 Request Entity Too Large messages transmitted by this service. |
| 415 Unsupport Media Type Received | The total current number of 415 Unsupport Media Type messages received on this service. |
| 415 Unsupport Media Type Transmitted | The total current number of 415 Unsupport Media Type messages transmitted by this service. |
| 416 Unsupport URI Scheme Received | The total current number of 416 Unsupport URI Scheme messages received on this service. |
| 416 Unsupport URI Scheme Transmitted | The total current number of 416 Unsupport URI Scheme messages transmitted by this service. |
| 420 Bad Extension Received | The total current number of 420 Bad Extension messages received on this service. |
| 420 Bad Extension Transmitted | The total current number of 420 Bad Extension messages transmitted by this service. |
| 421 Extension Required Received | The total current number of 421 Extension Required messages received on this service. |
| 421 Extension Required Transmitted | The total current number of 421 Extension Required messages transmitted by this service. |
| 480 Temp Not Available Received | The total current number of 480 Temp Not Available messages received on this service. |
| 480 Temp Not Available Transmitted | The total current number of 480 Temp Not Available messages transmitted by this service. |
| 488 Not Acceptable Media Received | The total current number of 488 Not Acceptable Media messages received on this service. |

| Field | Description |
|--------------------------------------|--|
| 488 Not Acceptable Media Transmitted | The total current number of 488 Not Acceptable Media messages transmitted by this service. |
| 4xx Response Received | The total current number of 4xx Response messages received on this service. |
| 4xx Response Transmitted | The total current number of 4xx Response messages transmitted by this service. |
| 500 Internal Error Received | The total current number of 500 Internal Error messages received on this service. |
| 500 Internal Error Transmitted | The total current number of 500 Internal Error messages transmitted by this service. |
| 513 Message Too Large Received | The total current number of 513 Message Too Large messages received on this service. |
| 513 Message Too Large Transmitted | The total current number of 513 Message Too Large messages transmitted by this service. |
| 5xx Response Received | The total current number of 5xx Response messages received on this service. |
| 5xx Response Transmitted | The total current number of 5xx Response messages transmitted by this service. |
| 6xx Response Received | The total current number of 6xx Response messages received on this service. |
| 6xx Response Transmitted | The total current number of 6xx Response messages transmitted by this service. |
| CSCF Performance | |
| Invite Processing Time | Minimum and maximum time (in ms) required to process an INVITE message (time elapsed between the INVITE entering the proxy and the INVITE forwarded out of the proxy). |
| First Response Time | Minimum and maximum time (in ms) between sending an INVITE message out of the proxy and the first response received for the INVITE (any 1xx). |
| Post Dial Delay | Minimum and maximum time (in ms) between sending an INVITE message out of the proxy and receiving the ringing message or any final response to the INVITE. |
| Session Setup Delay | Minimum and maximum time (in ms) between when an INVITE message was received by the proxy and a 200 OK (invite) sent out of the proxy. |

| Field | Description |
|---|---|
| Post Answer Delay | Minimum and maximum time (in ms) between a 200 OK INVITE message received by the proxy and the ACK message (for invite) sent out of the proxy. |
| Session Release Delay | Minimum and maximum time (in ms) between when a BYE message is received by the proxy and a 200 OK BYE is sent out of the proxy. |
| CSCF Registrations | |
| Current Registered Users | The current number of users registered to this service. |
| Current Secure Connections | The current number of secure connections to this service. |
| Current Unsecure Connections | The current number of unsecure connections to this service. |
| Total Failed Authentications | The total current number of failed authentications for this service. |
| Total Registration Expires | The total current number of expired registrations on this service. |
| Total Registration from Roaming UE | The total number of registrations from Roaming UE. |
| Total Successful Registration from Roaming UE | The total number 200 ok to registrations from Roaming UE. |
| Total Failed Registration from Roaming UE | The total number of failed registrations from Roaming UE. |
| Total 403 response to Registration from Roaming UE | The total number of 403 response to registration from Roaming UE. |
| Total Re-Registration from Roaming UE | The total number of re-registration from Roaming UE. |
| Total Successful Re-Registration from Roaming UE | The total number 200 ok to re-registrations from Roaming UE. |
| Total Failed Re-Registration from Roaming UE | The total number of failed re-registrations from Roaming UE. |
| Total 403 response to Re-Registration from Roaming UE | The total number of 403 response to re-registration from Roaming UE. |
| Total De-Registration from Roaming UE | The total number of de-registration from Roaming UE. |
| Total Successful De-Registration from Roaming UE | The total number 200 ok to de-registrations from Roaming UE. |
| Total Failed De-Registration from Roaming UE | The total number of failed de-registrations from Roaming UE. |
| Total 403 response to De-Registration from Roaming UE | The total number of 403 response to de-registration from Roaming UE. |
| Total De-registrations initiated by UE | The total current number of UE-initiated de-registration requests on this service. |
| Total De-registrations initiated by Network | The total current number of network-initiated de-registration requests received by P-CSCF from S-CSCF or by S-CSCF/SIP Proxy from internal/HSS trigger on this service. |

| Field | Description |
|--|---|
| Total Secure Registrations | The total current number of secure registrations on this service. |
| Total Failed Secure Registrations | The total current number of failed secure registrations on this service. |
| Registration Statistics | |
| Registration Attempts Received | The total current number of registration attempts received on this service. |
| Registration Attempts Transmitted | The total current number of registration attempts transmitted by this service. |
| Registration Success Received | The total current number of registration successes received on this service. |
| Registration Success Transmitted | The total current number of registration successes transmitted by this service. |
| Registration Failures Received | The total current number of registration failures received on this service. |
| Registration Failures Transmitted | The total current number of registration failures transmitted by this service. |
| 401 Unauthorized (Registration) Received | The total current number of 401 Unauthorized responses to registration received on this service. |
| 401 Unauthorized (Registration) Transmitted | The total current number of 401 Unauthorized responses to registration transmitted by this service. |
| 403 Forbidden (Registration) Received | The total current number of 403 Forbidden responses to registration received on this service. |
| 403 Forbidden (Registration) Transmitted | The total current number of 403 Forbidden responses to registration transmitted by this service. |
| 404 Not Found (Registration) Received | The total current number of 404 Not Found responses to registration received on this service. |
| 404 Not Found (Registration) Transmitted | The total current number of 404 Not Found responses to registration transmitted by this service. |
| 420 Bad Extension (Registration) Received | The total current number of 420 Bad Extension responses to registration received on this service. |
| 420 Bad Extension (Registration) Transmitted | The total current number of 420 Bad Extension responses to registration transmitted by this service. |
| 439 First HopLackOb (Registration) Received | The total current number of 439 First Hop Lack Outbound responses to registration received on this service. |

| Field | Description |
|--|--|
| 439 First HopLackOb (Registration) Transmitted | The total current number of 439 First Hop Lack Outbound responses to registration transmitted by this service. |
| 4xx Responses (Registration) Received | The total current number of 4xx responses to registration received on this service. |
| 4xx Responses (Registration) Transmitted | The total current number of 4xx responses to registration transmitted by this service. |
| 500 Internal Error (Registration) Received | The total current number of 500 Internal Error responses to registration received on this service. |
| 500 Internal Error (Registration) Transmitted | The total current number of 500 Internal Error responses to registration transmitted by this service. |
| 5xx Responses (Registration) Received | The total current number of 5xx responses to registration received on this service. |
| 5xx Responses (Registration) Transmitted | The total current number of 5xx responses to registration transmitted by this service. |
| 6xx Responses (Registration) Received | The total current number of 6xx responses to registration received on this service. |
| 6xx Responses (Registration) Transmitted | The total current number of 6xx responses to registration transmitted by this service. |
| Re-Registration Statistics | |
| Re-Registration Attempts Received | The total current number of re-registration attempts received on this service. |
| Re-Registration Attempts Transmitted | The total current number of re-registration attempts transmitted by this service. |
| Re-Registration Success Received | The total current number of re-registration successes received on this service. |
| Re-Registration Success Transmitted | The total current number of re-registration successes transmitted by this service. |
| Re-Registration Failures Received | The total current number of re-registration failures received on this service. |
| Re-Registration Failures Transmitted | The total current number of re-registration failures transmitted by this service. |
| 401 Unauthorized (Re-Registration) Received | The total current number of 401 Unauthorized responses to re-registration received on this service. |
| 401 Unauthorized (Re-Registration) Transmitted | The total current number of 401 Unauthorized responses to re-registration transmitted by this service. |

| Field | Description |
|---|---|
| 403 Forbidden (Re-Registration) Received | The total current number of 403 Forbidden responses to re-registration received on this service. |
| 403 Forbidden (Re-Registration) Transmitted | The total current number of 403 Forbidden responses to re-registration transmitted by this service. |
| 404 Not Found (Re-Registration) Received | The total current number of 404 Not Found responses to re-registration received on this service. |
| 404 Not Found (Re-Registration) Transmitted | The total current number of 404 Not Found responses to re-registration transmitted by this service. |
| 420 Bad Extension (Re-Registration) Received | The total current number of 420 Bad Extension responses to re-registration received on this service. |
| 420 Bad Extension (Re-Registration) Transmitted | The total current number of 420 Bad Extension responses to re-registration transmitted by this service. |
| 439 First HopLackOb (Re-Registration) Received | The total current number of 439 First Hop Lack Outbound responses to re-registration received on this service. |
| 439 First HopLackOb (Re-Registration) Transmitted | The total current number of 439 First Hop Lack Outbound responses to re-registration transmitted by this service. |
| 4xx Responses (Re-Registration) Received | The total current number of 4xx responses to re-registration received on this service. |
| 4xx Responses (Re-Registration) Transmitted | The total current number of 4xx responses to re-registration transmitted by this service. |
| 500 Internal Error (Re-Registration) Received | The total current number of 500 Internal Error responses to re-registration received on this service. |
| 500 Internal Error (Re-Registration) Transmitted | The total current number of 500 Internal Error responses to re-registration transmitted by this service. |
| 5xx Responses (Re-Registration) Received | The total current number of 5xx responses to re-registration received on this service. |
| 5xx Responses (Re-Registration) Transmitted | The total current number of 5xx responses to re-registration transmitted by this service. |
| 6xx Responses (Re-Registration) Received | The total current number of 6xx responses to re-registration received on this service. |
| 6xx Responses (Re-Registration) Transmitted | The total current number of 6xx responses to re-registration transmitted by this service. |
| De-Registration Statistics | |
| De-Registration Attempts Received | The total current number of de-registration attempts received on this service. |

| Field | Description |
|---|---|
| De-Registration Attempts Transmitted | The total current number of de-registration attempts transmitted by this service. |
| De-Registration Success Received | The total current number of de-registration successes received on this service. |
| De-Registration Success Transmitted | The total current number of de-registration successes transmitted by this service. |
| De-Registration Failures Received | The total current number of de-registration failures received on this service. |
| De-Registration Failures Transmitted | The total current number of de-registration failures transmitted by this service. |
| 401 Unauthorized (De-Registration) Received | The total current number of 401 Unauthorized responses to de-registration received on this service. |
| 401 Unauthorized (De-Registration) Transmitted | The total current number of 401 Unauthorized responses to de-registration transmitted by this service. |
| 403 Forbidden (De-Registration) Received | The total current number of 403 Forbidden responses to de-registration received on this service. |
| 403 Forbidden (De-Registration) Transmitted | The total current number of 403 Forbidden responses to de-registration transmitted by this service. |
| 404 Not Found (De-Registration) Received | The total current number of 404 Not Found responses to de-registration received on this service. |
| 404 Not Found (De-Registration) Transmitted | The total current number of 404 Not Found responses to de-registration transmitted by this service. |
| 420 Bad Extension (De-Registration) Received | The total current number of 420 Bad Extension responses to de-registration received on this service. |
| 420 Bad Extension (De-Registration) Transmitted | The total current number of 420 Bad Extension responses to de-registration transmitted by this service. |
| 439 First HopLackOb (De-Registration) Received | The total current number of 439 First Hop Lack Outbound responses to de-registration received on this service. |
| 439 First HopLackOb (De-Registration) Transmitted | The total current number of 439 First Hop Lack Outbound responses to de-registration transmitted by this service. |
| 4xx Responses (De-Registration) Received | The total current number of 4xx responses to de-registration received on this service. |
| 4xx Responses (De-Registration) Transmitted | The total current number of 4xx responses to de-registration transmitted by this service. |
| 500 Internal Error (De-Registration) Received | The total current number of 500 Internal Error responses to de-registration received on this service. |

| Field | Description |
|---|--|
| 500 Internal Error (De-Registration) Transmitted | The total current number of 500 Internal Error responses to de-registration transmitted by this service. |
| 5xx Responses (Re-Registration) Received | The total current number of 5xx responses to de-registration received on this service. |
| 5xx Responses (De-Registration) Transmitted | The total current number of 5xx responses to de-registration transmitted by this service. |
| 6xx Responses (De-Registration) Received | The total current number of 6xx responses to de-registration received on this service. |
| 6xx Responses (De-Registration) Transmitted | The total current number of 6xx responses to de-registration transmitted by this service. |
| Unclassified Requests (Registration) Received | The total current number of unclassified request responses to registration received on this service. |
| 4XX Responses (Unclassified Requests) Transmitted | The total current number of 4XX responses (Unclassified Requests) transmitted by this service. |
| 5XX Responses (Unclassified Requests) Transmitted | The total current number of 5XX Responses (Unclassified Requests) transmitted by this service. |
| IP-Security Statistics | |
| Total Secure Connection | The total number of subscribers with secure connections on this service. |
| Total Unsecure Connection | The total number of subscribers with unsecure connections on this service. |
| Total Security Association Rejects | The total number of security association rejections on this service. |
| Total Secure Registrations | The total number of secure registrations on this service. |
| Total Secure Re-registrations | The total number of secure re-registrations on this service. |
| Total Secure De-registrations | The total number of secure de-registrations on this service. |
| Total Emergency Registrations | The total number of emergency registrations on this service. |
| Total Failed Secure Registrations | The total number of failed secure registrations on this service. |
| Total IP-Sec Packets Received | The total number of IPSec packets received on this service. |
| Total IP-Sec Packets Transmitted | The total number of IPSec packets transmitted by this service. |
| Total IP-Sec Octets Received | The total number of IPSec octets received on this service. |
| Total IP-Sec Octets Transmitted | The total number of IPSec octets transmitted by this service. |
| Total Registration Rejects Due to Sec-Agree | The total number of registration rejections due to security agreement on this service. |

| Field | Description |
|--|--|
| Total Registration Rejects Due to Algorithm Mismatch | The total number of registration rejections due to algorithm mismatch on this service. |
| Total Messages Dropped Due to Error | The total number of messages dropped due to error on this service. |
| Total Messages With Incorrect Security Verify | The total number of messages with incorrect security verification on this service. |
| MSRP TCP Connection Statistics | |
| Total TCP Subscribers | The total number of subscribers having TCP connections for MSRP Signaling on this service. |
| Active Connections | The total number of active TCP connections for MSRP Signaling on this service. |
| Total Connections Closed | The total number of TCP connections for MSRP Signaling closed on this service. |
| Total Successful Outgoing Connections | The total number of successful outgoing TCP connections for MSRP Signaling on this service. |
| Total Failed Outgoing Connections | The total number of failed outgoing TCP connections for MSRP Signaling on this service. |
| Total Successful Incoming Connections | The total number of successful incoming TCP connections for MSRP Signaling on this service. |
| Total Failed Incoming Connections | The total number of failed incoming TCP connections for MSRP Signaling on this service. |
| Total Packets Sent | The total number of TCP/IP packets transmitted by CSCF service. |
| Total Packets Received | The total number of TCP/IP packets received by CSCF service. |
| Total Bytes Sent | The total number of bytes transmitted. |
| Total Bytes Received | The total number of bytes received. |
| Others | |
| Current CSCF Sessions | The number of currently active CSCF sessions existing on this service. |
| Total CSCF Sessions | Total number of CSCF sessions created so far for originating/proxying SIP messages. This counter should not include CSCF sessions created for internal processing, like ROUTE REQUEST. Also, this counter should not get incremented for REGISTER requests received by S-CSCF as it acts as registrar and S-CSCF callleg itself can handle this. |
| Total TCP Subscribers | Total number of subscribers with an active TCP connection (MSRP, SIP, or both) existing on this service. |

show cscf service statistics name <service_name> all

| Field | Description |
|---|---|
| Active TCP Connections | Total number of currently active TCP connections for both MSRP and SIP existing on this service. |
| Current IPsec TCP Connections | Total number of currently active IPsec TCP connections existing on this service. |
| 405 Method Not Allowed Rejections | Total number of 405 Method Not Allowed Rejections existing on this service. |
| SigComp Statistics | |
| Total Requests Compressed | The total number of SIP request messages compressed by this service. |
| Total Requests Decompressed | The total number of SIP request messages decompressed by this service. |
| Total Responses Compressed | The total number of SIP response messages compressed by this service. |
| Total Responses Decompressed | The total number of SIP response messages decompressed by this service. |
| Total NACK Packets Received | The total number of NACK (negative acknowledgement) packets received by this service. |
| Total NACK Packets Transmitted | The total number of NACK (negative acknowledgement) packets transmitted by this service. |
| Total Compression Failures | The current total number of compression failures that occurred in this service. |
| Total Decompression Failures | The current total number of decompression failures that occurred in this service. |
| SigComp Effectiveness | |
| Ratio results in this section are derived using the following formula: $(S_b - S_a) * 100 / (S_b)$ where S_b = the size of the message before compression and S_a = the size of the message after compression. | |
| Best compression ratio (Outgoing message) | The current best compression ratio achieved for messages sent by this service. |
| Worst compression ratio (Outgoing message) | The current worst compression ratio achieved for messages sent by this service. Usually this will be a negative value indicating that the message had expanded instead of compressed. |
| Average compression ratio (Outgoing message) | The running average compression of messages sent by this service. The average is derived using the following formula: $(S(S_b) - S(S_a)) * 100 / (S(S_b))$. |

| Field | Description |
|--|---|
| Best compression ratio (Incoming message) | The current best compression ratio achieved for messages received by this service. |
| Worst compression ratio (Incoming message) | The current worst compression ratio achieved for messages received by this service. Usually this will be a negative value indicating that the message had expanded instead of compressed. |
| Average compression ratio (Incoming message) | The running average compression of messages received by this service. The average is derived using the following formula: $(S(Sb) - S(Sa)) * 100 / (S(Sb))$. |
| SIP TCP Connection Statistics | |
| Total TCP Subscribers | The total number of subscribers having TCP connections for SIP Signaling on this service. |
| Active Connections | The total number of active TCP connections for SIP Signaling on this service. |
| Total Connections Closed | The total number of TCP connections for SIP Signaling closed on this service. |
| Total Successful Outgoing Connections | The total number of successful outgoing TCP connections for SIP Signaling on this service. |
| Total Failed Outgoing Connections | The total number of failed outgoing TCP connections for SIP Signaling on this service. |
| Total Successful Incoming Connections | The total number of successful incoming TCP connections for SIP Signaling on this service. |
| Total Failed Incoming Connections | The total number of failed incoming TCP connections for SIP Signaling on this service. |
| Total Migrated Connections | The total number of TCP connections migrated from Cscfmgtr to Sessmgr for load balancing. |
| Total Packets Sent | The total number of TCP/IP packets transmitted by CSCF service. |
| Total Packets Received | The total number of TCP/IP packets received by CSCF service. |
| Total Bytes Sent | The total number of bytes transmitted. |
| Total Bytes Received | The total number of bytes received. |
| Subscription Package | |
| Subscription Attempts Received | The total current number of subscription attempts received on this service. |
| Subscription Attempts Transmitted | The total current number of subscription attempts transmitted by this service. |

| Field | Description |
|---|---|
| Subscription Success Received | The total current number of subscription successes received on this service. |
| Subscription Success Transmitted | The total current number of subscription successes transmitted by this service. |
| Subscription Failures Received | The total current number of subscription failures received on this service. |
| Subscription Failures Transmitted | The total current number of subscription failures transmitted by this service. |
| 200 OK (Subscription) Received | The total current number of 200 OK responses to registration received on this service. |
| 200 OK (Subscription) Transmitted | The total current number of 200 OK responses to registration transmitted by this service. |
| 202 Accepted (Subscription) Received | The total current number of 202 Accepted responses to registration received on this service. |
| 202 Accepted (Subscription) Transmitted | The total current number of 202 Accepted responses to registration transmitted by this service. |
| 400 Bad Request (Subscription) Received | The total current number of 400 Bad Request responses to registration received on this service. |
| 400 Bad Request (Subscription) Transmitted | The total current number of 400 Bad Request responses to registration transmitted by this service. |
| 403 Forbidden (Subscription) Received | The total current number of 403 Forbidden responses to registration received on this service. |
| 403 Forbidden (Subscription) Transmitted | The total current number of 403 Forbidden responses to registration transmitted by this service. |
| 481 Trans Does Not Exist (Subscription) Received | The total current number of 481 Trans Does Not Exist responses to registration received on this service. |
| 481 Trans Does Not Exist (Subscription) Transmitted | The total current number of 481 Trans Does Not Exist responses to registration transmitted by this service. |
| 489 Bad Event (Subscription) Received | The total current number of 489 Bad Event responses to registration received on this service. |
| 489 Bad Event (Subscription) Transmitted | The total current number of 489 Bad Event responses to registration transmitted by this service. |
| 500 Internal Error (Subscription) Received | The total current number of 500 Internal Error responses to registration received on this service. |
| 500 Internal Error (Subscription) Transmitted | The total current number of 500 Internal Error responses to registration transmitted by this service. |

| Field | Description |
|--|--|
| Re-Subscription Attempts Received | The total current number of re-subscription attempts received on this service. |
| Re-Subscription Attempts Transmitted | The total current number of re-subscription attempts transmitted by this service. |
| Re-Subscription Success Received | The total current number of re-subscription successes received on this service. |
| Re-Subscription Success Transmitted | The total current number of re-subscription successes transmitted by this service. |
| Re-Subscription Failures Received | The total current number of re-subscription failures received on this service. |
| Re-Subscription Failures Transmitted | The total current number of re-subscription failures transmitted by this service. |
| 200 OK (Re-Subscription) Received | The total current number of 200 OK responses to re-registration received on this service. |
| 200 OK (Re-Subscription) Transmitted | The total current number of 200 OK responses to re-registration transmitted by this service. |
| 202 Accepted (Re-Subscription) Received | The total current number of 202 Accepted responses to re-registration received on this service. |
| 202 Accepted (Re-Subscription) Transmitted | The total current number of 202 Accepted responses to re-registration transmitted by this service. |
| 400 Bad Request (Re-Subscription) Received | The total current number of 400 Bad Request responses to re-registration received on this service. |
| 400 Bad Request (Re-Subscription) Transmitted | The total current number of 400 Bad Request responses to re-registration transmitted by this service. |
| 403 Forbidden (Re-Subscription) Received | The total current number of 403 Forbidden responses to re-registration received on this service. |
| 403 Forbidden (Re-Subscription) Transmitted | The total current number of 403 Forbidden responses to re-registration transmitted by this service. |
| 481 Trans Does Not Exist (Re-Subscription) Received | The total current number of 481 Trans Does Not Exist responses to re-registration received on this service. |
| 481 Trans Does Not Exist (Re-Subscription) Transmitted | The total current number of 481 Trans Does Not Exist responses to re-registration transmitted by this service. |
| 489 Bad Event (Re-Subscription) Received | The total current number of 489 Bad Event responses to re-registration received on this service. |
| 489 Bad Event (Re-Subscription) Transmitted | The total current number of 489 Bad Event responses to re-registration transmitted by this service. |

| Field | Description |
|--|--|
| 500 Internal Error (Re-Subscription) Received | The total current number of 500 Internal Error responses to re-registration received on this service. |
| 500 Internal Error (Re-Subscription) Transmitted | The total current number of 500 Internal Error responses to re-registration transmitted by this service. |
| Un-Subscription Attempts Received | The total current number of un-subscription attempts received on this service. |
| Un-Subscription Attempts Transmitted | The total current number of un-subscription attempts transmitted by this service. |
| Un-Subscription Success Received | The total current number of un-subscription successes received on this service. |
| Un-Subscription Success Transmitted | The total current number of un-subscription successes transmitted by this service. |
| Un-Subscription Failures Received | The total current number of un-subscription failures received on this service. |
| Un-Subscription Failures Transmitted | The total current number of un-subscription failures transmitted by this service. |
| 200 OK (Un-Subscription) Received | The total current number of 200 OK responses to un-registration received on this service. |
| 200 OK (Un-Subscription) Transmitted | The total current number of 200 OK responses to un-registration transmitted by this service. |
| 202 Accepted (Un-Subscription) Received | The total current number of 202 Accepted responses to un-registration received on this service. |
| 202 Accepted (Un-Subscription) Transmitted | The total current number of 202 Accepted responses to un-registration transmitted by this service. |
| 400 Bad Request (Un-Subscription) Received | The total current number of 400 Bad Request responses to un-registration received on this service. |
| 400 Bad Request (Un-Subscription) Transmitted | The total current number of 400 Bad Request responses to un-registration transmitted by this service. |
| 403 Forbidden (Un-Subscription) Received | The total current number of 403 Forbidden responses to un-registration received on this service. |
| 403 Forbidden (Un-Subscription) Transmitted | The total current number of 403 Forbidden responses to un-registration transmitted by this service. |
| 481 Trans Does Not Exist (Un-Subscription) Received | The total current number of 481 Trans Does Not Exist responses to un-registration received on this service. |
| 481 Trans Does Not Exist (Un-Subscription) Transmitted | The total current number of 481 Trans Does Not Exist responses to un-registration transmitted by this service. |

| Field | Description |
|--|--|
| 489 Bad Event (Un-Subscription) Received | The total current number of 489 Bad Event responses to un-registration received on this service. |
| 489 Bad Event (Un-Subscription) Transmitted | The total current number of 489 Bad Event responses to un-registration transmitted by this service. |
| 500 Internal Error (Un-Subscription) Received | The total current number of 500 Internal Error responses to un-registration received on this service. |
| 500 Internal Error (Un-Subscription) Transmitted | The total current number of 500 Internal Error responses to un-registration transmitted by this service. |
| Notify Attempts Received | The total current number of notify attempts received on this service. |
| Notify Attempts Transmitted | The total current number of notify attempts transmitted by this service. |
| Notify Success Received | The total current number of notify successes received on this service. |
| Notify Success Transmitted | The total current number of notify successes transmitted by this service. |
| Notify Failures Received | The total current number of notify failures received on this service. |
| Notify Failures Transmitted | The total current number of notify failures transmitted by this service. |
| Publish Attempts Received | The total current number of publish attempts received on this service. |
| Publish Attempts Transmitted | The total current number of publish attempts transmitted by this service. |
| Publish Success Received | The total current number of publish successes received on this service. |
| Publish Success Transmitted | The total current number of publish successes transmitted by this service. |
| Publish Failures Received | The total current number of publish failures received on this service. |
| Publish Failures Transmitted | The total current number of publish failures transmitted by this service. |
| Un-Publish Attempts Received | The total current number of un-publish attempts received on this service. |
| Un-Publish Attempts Transmitted | The total current number of un-publish attempts transmitted by this service. |

show cscf service statistics name <service_name> all

| Field | Description |
|--|--|
| Un-Publish Success Received | The total current number of un-publish successes received on this service. |
| Un-Publish Success Transmitted | The total current number of un-publish successes transmitted by this service. |
| Un-Publish Failures Received | The total current number of un-publish failures received on this service. |
| Un-Publish Failures Transmitted | The total current number of un-publish failures transmitted by this service. |
| TCP Connection Statistics | |
| Active IP-Sec Connections | The total number of active IPSec TCP connections on this service. |
| Total IP-Sec Connections Closed | The total number of IPSec TCP connections closed on this service. |
| Total Successful IP-Sec Outgoing Connections | The total number of successful outgoing IPSec TCP connections on this service. |
| Total Failed IP-Sec Outgoing Connections | The total number of failed outgoing IPSec TCP connections on this service. |
| Total Successful IP-Sec Incoming Connections | The total number of successful incoming IPSec TCP connections on this service. |
| Total Failed IP-Sec Incoming Connections | The total number of failed incoming IPSec TCP connections on this service. |
| ATCF Call Statistics | |
| Access Transfer Attempts | Total number of Access Transfer Attempts received/transmitted. |
| Access Transfer Success | Total number of Access Transfer Successes received/transmitted. |
| Access Transfer Failures | Total number of Access Transfer Failures received/transmitted. |
| 404 Error Response | Total number of 404 received/transmitted for Access Transfer requests. |
| 500 Internal Error | Total number of 500 internal errors received/transmitted for Access Transfer requests. |
| 488 Response | Total number of 488 received/transmitted for Access Transfer requests. |
| 4xx Responses | Total number of 4XX received/transmitted for Access Transfer requests. |
| 5xx Responses | Total number of 5XX received/transmitted for Access Transfer requests. |

| Field | Description |
|--|--|
| 6xx Responses | Total number of 6XX received/transmitted for Access Transfer requests. |
| EATF Call Statistics | |
| Total Emergency call Access Transfer Request | The total number of Emergency call Access Transfer (EATF) requests. |
| Total Emergency call Access Transfer Success | The total number of Emergency call Access Transfer (EATF) successes. |
| Total Emergency call Access Transfer Failure | The total number of Emergency call Access Transfer (EATF) failures. |
| 480 Error responses | The total number of 480 responses received. |
| 488 Error responses | The total number of 488 responses received. |
| 500 Error responses | The total number of 500 responses received. |
| 4xx Error responses | The total number of 4XX responses received. |
| 5xx Error responses | The total number of 5XX responses received. |
| Internal Error responses | The total number of internal error responses received. |

show cscf sessions counters

Table 4: show cscf sessions counters Command Output Descriptions

| Field | Description |
|-----------------|--|
| Interval | |
| <200ms | The number of sessions that had a duration of less than 200 millisecond. |
| 200..400ms | The number of sessions that had a duration between 200 and 400 milliseconds. |
| 400..600ms | The number of sessions that had a duration between 400 and 600 milliseconds. |
| 600..800ms | The number of sessions that had a duration between 600 and 800 milliseconds. |
| 800..1000ms | The number of sessions that had a duration between 800 and 1000 milliseconds. |
| 1000..1200ms | The number of sessions that had a duration between 1000 and 1200 milliseconds. |

| Field | Description |
|--------------|--|
| 1200..1400ms | The number of sessions that had a duration between 1200 and 1400 milliseconds. |
| 1400..1600ms | The number of sessions that had a duration between 1400 and 1600 milliseconds. |
| 1600..1800ms | The number of sessions that had a duration between 1600 and 1800 milliseconds. |
| 1800..2000ms | The number of sessions that had a duration between 1800 and 2000 milliseconds. |
| 2000..2200ms | The number of sessions that had a duration between 2000 and 2200 milliseconds. |
| 2200..2400ms | The number of sessions that had a duration between 2200 and 2400 milliseconds. |
| 2400..2600ms | The number of sessions that had a duration between 2400 and 2600 milliseconds. |
| 2600..2800ms | The number of sessions that had a duration between 2600 and 2800 milliseconds. |
| 2800..3000ms | The number of sessions that had a duration between 2800 and 3000 milliseconds. |
| 3..5sec | The number of sessions that had a duration between three and five seconds. |
| 5..7sec | The number of sessions that had a duration between five and seven seconds. |
| 7..9sec | The number of sessions that had a duration between seven and nine seconds. |
| 9..11sec | The number of sessions that had a duration between nine and 11 seconds. |
| 11..13sec | The number of sessions that had a duration between 11 and 13 seconds. |
| 13..15sec | The number of sessions that had a duration between 13 and 15 seconds. |
| 15..17sec | The number of sessions that had a duration between 15 and 17 seconds. |
| 17..19sec | The number of sessions that had a duration between 17 and 19 seconds. |
| 19..21sec | The number of sessions that had a duration between 19 and 21 seconds. |

| Field | Description |
|--|--|
| >21sec | The number of sessions that had a duration of more than 21 seconds. |
| Count | |
| The following provide total counts for each session type per specified interval. | |
| Invite Processing Time | Time required to process an INVITE message (time elapsed between the INVITE entering the proxy and the INVITE forwarded out of the proxy). |
| First Response Delay | Time between sending an INVITE message out of the proxy and the first response received for the INVITE (any 1xx). |
| Post Dial Delay | Time between sending an INVITE message out of the proxy and receiving the ringing message or any final response to the INVITE. |
| Session Setup Delay | Time between when an INVITE message was received by the proxy and a 200 OK (invite) sent out of the proxy. |
| Post Answer Delay | Time between a 200 OK INVITE message received by the proxy and the ACK message (for invite) sent out of the proxy. |
| Session Release Delay | Time between when a BYE message is received by the proxy and a 200 OK BYE is sent out of the proxy. |

show cscf sessions duration

Table 5: show cscf sessions duration Command Output Descriptions

| Field | Description |
|-----------|--|
| <1s | The number of sessions that had a duration of less than one second. |
| 01..10sec | The number of sessions that had a duration between one and 10 seconds. |
| 10..30sec | The number of sessions that had a duration between 10 and 30 seconds. |
| 30..60sec | The number of sessions that had a duration between 30 and 60 seconds. |
| 01..03min | The number of sessions that had a duration between one and three minutes. |
| 03..05min | The number of sessions that had a duration between three and five minutes. |

| Field | Description |
|-----------|--|
| 05..07min | The number of sessions that had a duration between five and seven minutes. |
| 07..09min | The number of sessions that had a duration between seven and nine minutes. |
| 09..11min | The number of sessions that had a duration between nine and 11 minutes. |
| 11..13min | The number of sessions that had a duration between 11 and 13 minutes. |
| 13..15min | The number of sessions that had a duration between 13 and 15 minutes. |
| 15..17min | The number of sessions that had a duration between 15 and 17 minutes. |
| 17..19min | The number of sessions that had a duration between 17 and 19 minutes. |
| 19..21min | The number of sessions that had a duration between 19 and 21 minutes. |
| 21..23min | The number of sessions that had a duration between 21 and 23 minutes. |
| 23..25min | The number of sessions that had a duration between 23 and 25 minutes. |
| 25..27min | The number of sessions that had a duration between 25 and 27 minutes. |
| 27..29min | The number of sessions that had a duration between 27 and 29 minutes. |
| 29..60min | The number of sessions that had a duration between 29 and 60 minutes. |
| >60min | The number of sessions that had a duration of more than 60 minutes. |
| <1hr | The number of sessions that had a duration of less than one hour. |
| 1..2hrs | The number of sessions that had a duration between one and two hours. |
| 2..3hrs | The number of sessions that had a duration between two and three hours. |
| 3..4hrs | The number of sessions that had a duration between three and four hours. |

| Field | Description |
|----------|---|
| 4..5hrs | The number of sessions that had a duration between four and five hours. |
| 5..6hrs | The number of sessions that had a duration between five and six hours. |
| 6..7hrs | The number of sessions that had a duration between six and seven hours. |
| 7..8hrs | The number of sessions that had a duration between seven and eight hours. |
| 8..9hrs | The number of sessions that had a duration between eight and nine hours. |
| 9..10hrs | The number of sessions that had a duration between nine and 10 hours. |
| >10hrs | The number of sessions that had a duration of more than 10 hours. |

show cscf sip statistics

Table 6: show cscf sip statistics Command Output Descriptions

| Field | Description |
|-------------------------------|--|
| CSCF Service | The name of the service and context. |
| Peer IP Address | The IP address of the peer server expressed in IPv4 or IPv6 dotted decimal notation. |
| SIP Request Statistics | |
| Register | The total number of SIP Register requests received (Rx) or transmitted (Tx) by this service. |
| Invite | The total number of INVITE requests received (Rx) or transmitted (Tx) by this service. |
| Ack | The total number of ACK requests received (Rx) or transmitted (Tx) by this service. |
| Bye | The total number of Bye requests received (Rx) or transmitted (Tx) by this service. |
| Info | The total number of Info requests received (Rx) or transmitted (Tx) by this service. |
| Prack | The total number of PRACK requests received (Rx) or transmitted (Tx) by this service. |

| Field | Description |
|--------------------------------|--|
| Refer | The total number of Refer requests received (Rx) or transmitted (Tx) by this service. |
| Cancel | The total number of Cancel requests received (Rx) or transmitted (Tx) by this service. |
| Notify | The total number of Notify requests received (Rx) or transmitted (Tx) by this service. |
| Update | The total number of Update requests received (Rx) or transmitted (Tx) by this service. |
| Message | The total number of Message requests received (Rx) or transmitted (Tx) by this service. |
| Options | The total number of Options requests received (Rx) or transmitted (Tx) by this service. |
| Publish | The total number of Publish requests received (Rx) or transmitted (Tx) by this service. |
| Subscribe | The total number of Subscribe requests received (Rx) or transmitted (Tx) by this service. |
| Notify | The total number of Notify requests received (Rx) or transmitted (Tx) by this service. |
| SIP Response Statistics | |
| 100 Trying | The total number of 100 Trying responses received (Rx) or transmitted (Tx) by this service. |
| 180 Ringing | The total number of 180 Ringing responses received (Rx) or transmitted (Tx) by this service. |
| 181 Forwarding | The total number of 181 Forwarded responses received (Rx) or transmitted (Tx) by this service. |
| 182 Queued | The total number of 182 Queued responses received (Rx) or transmitted (Tx) by this service. |
| 183 Progress | The total number of 183 Progress responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Register) | The total number of 200 OK Register responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Invite) | The total number of 200 OK Invite responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Bye) | The total number of 200 OK Bye responses received (Rx) or transmitted (Tx) by this service. |

| Field | Description |
|--------------------------|---|
| 200 Ok (Info) | The total number of 200 OK Info responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Prack) | The total number of 200 OK PRACK responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Refer) | The total number of 200 OK Refer responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Cancel) | The total number of 200 OK Cancel responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Notify) | The total number of 200 OK Notify responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Update) | The total number of 200 OK Update responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Message) | The total number of 200 OK Message responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Options) | The total number of 200 OK Options responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Publish) | The total number of 200 OK Publish responses received (Rx) or transmitted (Tx) by this service. |
| 200 Ok (Subscribe) | The total number of 200 OK Subscribe responses received (Rx) or transmitted (Tx) by this service. |
| 202 Accepted (Refer) | The total number of 202 Accepted Refer responses received (Rx) or transmitted (Tx) by this service. |
| 202 Accepted (Subscribe) | The total number of 202 Accepted Subscribe responses received (Rx) or transmitted (Tx) by this service. |
| 300 Multiple Choices | The total number of Multiple Choices responses received (Rx) or transmitted (Tx) by this service. |
| 301 Moved Permanently | The total number of Moved Permanently responses received (Rx) or transmitted (Tx) by this service. |
| 302 Moved Temporarily | The total number of Moved Temporarily responses received (Rx) or transmitted (Tx) by this service. |
| 305 Use Proxy | The total number of Use Proxy responses received (Rx) or transmitted (Tx) by this service. |
| 380 Alternative Service | The total number of Alternative Service responses received (Rx) or transmitted (Tx) by this service. |

| Field | Description |
|--------------------------|--|
| 400 Bad Request | The total number of 400 Bad Request errors received (Rx) or transmitted (Tx) by this service. |
| 401 Unauthorized | The total number of 401 Unauthorized errors received (Rx) or transmitted (Tx) by this service. |
| 403 Forbidden | The total number of 403 Forbidden errors received (Rx) or transmitted (Tx) by this service. |
| 404 Not Found | The total number of 404 Not Found errors received (Rx) or transmitted (Tx) by this service. |
| 405 Method Not Allowed | The total number of 405 Method Not Allowed errors received (Rx) or transmitted (Tx) by this service. |
| 406 Not Acceptable | The total number of 406 Not Acceptable errors received (Rx) or transmitted (Tx) by this service. |
| 407 Proxy Auth Required | The total number of 407 Proxy Auth Required errors received (Rx) or transmitted (Tx) by this service. |
| 408 Request Timeout | The total number of 408 Request Timeout errors received (Rx) or transmitted (Tx) by this service. |
| 410 Gone | The total number of 410 Gone errors received (Rx) or transmitted (Tx) by this service. |
| 412 Conditional Req Fail | The total number of 412 Conditional Request Fail errors received (Rx) or transmitted (Tx) by this service. |
| 413 Req Entity Too Large | The total number of 413 Request Entity Too Large errors received (Rx) or transmitted (Tx) by this service. |
| 414 Req URI Too Long | The total number of 414 Request URI Too Long errors received (Rx) or transmitted (Tx) by this service. |
| 415 Unsupport Media Type | The total number of 415 Unsupported Media Type errors received (Rx) or transmitted (Tx) by this service. |
| 416 Unsupport URI Scheme | The total number of 416 Unsupported URI Scheme errors received (Rx) or transmitted (Tx) by this service. |
| 420 Bad Extension | The total number of 420 Bad Extension errors received (Rx) or transmitted (Tx) by this service. |
| 421 Extension Required | The total number of 421 Extension Required errors received (Rx) or transmitted (Tx) by this service. |
| 423 Interval Too Brief | The total number of 423 Interval Too Brief errors received (Rx) or transmitted (Tx) by this service. |
| 480 Temp Not Available | The total number of 480 Temp Not Available errors received (Rx) or transmitted (Tx) by this service. |

| Field | Description |
|--------------------------|--|
| 481 Trans Does Not Exist | The total number of 481 Transaction Does Not Exist errors received (Rx) or transmitted (Tx) by this service. |
| 482 Loop Detected | The total number of 482 Loop Detected errors received (Rx) or transmitted (Tx) by this service. |
| 483 Too Many Hops | The total number of 483 Too Many Hops errors received (Rx) or transmitted (Tx) by this service. |
| 484 Address Incomplete | The total number of 484 Address Incomplete errors received (Rx) or transmitted (Tx) by this service. |
| 485 Ambiguous | The total number of 485 Ambiguous errors received (Rx) or transmitted (Tx) by this service. |
| 486 Busy Here | The total number of 486 Busy Here errors received (Rx) or transmitted (Tx) by this service. |
| 487 Request Cancel | The total number of 487 Request Cancel errors received (Rx) or transmitted (Tx) by this service. |
| 488 Not Acceptable Media | The total number of 488 Not Acceptable Media errors received (Rx) or transmitted (Tx) by this service. |
| 489 Bad Event | The total number of 489 Bad Event errors received (Rx) or transmitted (Tx) by this service. |
| 491 Request Pending | The total number of 491 Request Pending errors received (Rx) or transmitted (Tx) by this service. |
| 493 Undecipherable | The total number of 493 Undecipherable errors received (Rx) or transmitted (Tx) by this service. |
| 500 Internal Error | The total number of 500 Internal Error errors received (Rx) or transmitted (Tx) by this service. |
| 501 Not Implemented | The total number of 501 Not Implemented errors received (Rx) or transmitted (Tx) by this service. |
| 502 Bad Gateway | The total number of 502 Bad Gateway errors received (Rx) or transmitted (Tx) by this service. |
| 503 Service Unavailable | The total number of 503 Service Unavailable errors received (Rx) or transmitted (Tx) by this service. |
| 504 Gateway Timeout | The total number of 504 Gateway Timeout errors received (Rx) or transmitted (Tx) by this service. |
| 505 Bad SIP Version | The total number of 505 Bad SIP Version errors received (Rx) or transmitted (Tx) by this service. |
| 513 Message Too Large | The total number of 513 Message Too Large errors received (Rx) or transmitted (Tx) by this service. |

| Field | Description |
|--------------------------------------|--|
| 580 Precondition Failure | The total number of 580 Precondition Failure errors received (Rx) or transmitted (Tx) by this service. |
| 600 Busy Everywhere | The total number of 600 Busy Everywhere errors received (Rx) or transmitted (Tx) by this service. |
| 603 Decline | The total number of 603 Decline errors received (Rx) or transmitted (Tx) by this service. |
| 604 Not Exist Anywhere | The total number of 604 Not Exist Anywhere errors received (Rx) or transmitted (Tx) by this service. |
| 606 Not Acceptable | The total number of 606 Not Acceptable errors received (Rx) or transmitted (Tx) by this service. |
| Total Invalid Messages | The total number of SIP Invalid Messages received (Rx) or transmitted (Tx) by this service. |
| Total Messages | The total number of SIP Messages received (Rx) or transmitted (Tx) by this service. |
| TCP Request | The total number of SIP requests received (Rx) or transmitted (Tx) over TCP by this service. |
| TCP Response | The total number of SIP responses received (Rx) or transmitted (Tx) over TCP by this service. |
| Auto switch to TCP on MTU size limit | The total number of times CSCF switched from UDP to TCP because of message size larger than MTU. |

show cscf tcp connections

Table 7: show cscf tcp connections Command Output Descriptions

| Field | Description |
|------------------------|--|
| TCP Connection Details | |
| LocalIp | The local IP address, expressed in IPv4 or IPv6 dotted decimal notation, of the TCP connection. |
| Local Port | The local port number of the TCP connection. |
| RemoteIp | The remote IP address, expressed in IPv4 or IPv6 dotted decimal notation, of the TCP connection. |
| Remote Port | The remote port number of the TCP connection. |
| Facility | Facility type for which connection details have to be retrieved—CscfMgr or SessMgr. |

| Field | Description |
|------------------|--|
| Instance | The instance number of the facility that the connection belongs to. |
| SockDesc | The socket descriptor id. |
| State | The state of the connection. TCP states are: <ul style="list-style-type: none"> • CLOSED • LISTEN • SYNCSSENT • SYNCRVD • ESTABLISHED • CLOSEWAIT • FINWAIT1 • CLOSING • LASTACK • FINWAIT2 • TIMEWAIT • INVALID |
| BytesInRecvQueue | Data size in the receive queue, in bytes. |
| BytesInSendQueue | Data size in the send queue, in bytes. |
| RecvQueueSize | Size of the receive queue, in bytes. |
| SendQueueSize | Size of the send queue, in bytes. |
| MaxSendWind | Maximum send window seen so far. |
| SndUna | Send unacknowledged sequence value. |
| SndNext | Send next sequence value. |
| MaxSndNext | Highest sequence number sent. |
| Iss | Initial send sequence number. |
| Irs | Initial receive sequence number. |
| Rto | Retransmission timeout. |
| SndWL1 | Send segment sequence number used for last window update. |
| SndWL2 | Send segment acknowledgment number used for last window update. |

| Field | Description |
|-------------------|---|
| MaxSndWind | Maximum send window seen so far. |
| RecvNxt | Receive next sequence. |
| RecvWind | Receive window sequence. |
| RecvAdv | Sequence number of right edge of advertised window. |
| CWind | Send congestion window. |
| Ssthresh | Send slow start threshold size. |
| BackLog | Back logs. |
| DupAck | Duplicate ACKs. |
| RetransSegments | Number of retransmitted segments. |
| AckAfterRetrans | Number of non duplicate acks after duplicate ACK. |
| TcpFlags | TCP flags. |
| Total TCP sockets | The total number of TCP sockets. |