

show sls-service

This chapter includes the **show sls-service** command output tables.

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show sls-service all

Table 1: show sls-service all Command Output Descriptions

Field	Description
Service name	The configured SLs service name.
Service id	The system generated identification number of the SLs service.
Context	The name of the context in which SLs service is configured.
Status	Status of this SLs service.
Bind	Indicates whether the service is bound to an interface.: Done or None.
SLs-MME IP Address	The IP address(es) configured for this SLs service.
SCTP Port	The source port number for SCTP communications.
T-3x01 (Low Delay)	The number of seconds configured for the T-3x01 (Low Delay) timer, which defines the number of seconds the MME waits for a "low delay" response from the E-SMLC.
T-3x01 (Delay Tolerant)	The number of seconds configured for the T-3x01 (Delay Tolerant) timer, which defines the number of seconds the MME waits for a "delay tolerant" response from the E-SMLC.
T-3x02	The number of seconds configured for the T-3x02 timer. The T-3x02 timer is started on the MME when the MME sends a RESET REQUEST to the E-SMLC. Once the T3x02 timer expires, the MME can resend the RESET REQUEST to the E-SMLC.

Field	Description
Max Re-Transmission	The configured maximum number of times the MME will resend a RESET REQUEST to the ESMLC.
SCTP Param Template Associated	Displays the name of the SCTP Parameter Template associated with the service. **Note:** If no SCTP Parameter Template has been associated with this SLs Service, this output field and all the following SCTP fields are not shown.
SCTP Alpha	Displays the SCTP Retransmission Timeout (RTO) alpha value as configured in the SCTP Parameter Template.
SCTP Beta	Displays the SCTP Retransmission Timeout (RTO) beta value as configured in the SCTP Parameter Template.
SCTP Checksum Type	Displays the SCTP checksum type as configured in the SCTP Parameter Template.
SCTP Valid Cookie Lifetime	Displays the SCTP cookie lifetime value as configured in the SCTP Parameter Template.
SCTP Max Assoc Retrans	Displays the maximum number of retransmissions for SCTP associations value as configured in the SCTP Parameter Template.
SCTP Max Number of In Streams	Displays the maximum number of incoming streams for SCTP value as configured in the SCTP Parameter Template.
SCTP Init Retransmissions	Displays the maximum number of retransmissions for SCTP initiations value as configured in the SCTP Parameter Template.
SCTP Max MTU	Displays the maximum Maximum Transmission Unit (MTU) size for SCTP value as configured in the SCTP Parameter Template.
SCTP Max Number of Out Streams	Displays the maximum number of outgoing streams for SCTP value as configured in the SCTP Parameter Template.
SCTP Path Retransmissions	Displays the maximum number of retransmissions for SCTP paths value as configured in the SCTP Parameter Template.
SCTP Min MTU	Displays the minimum Maximum Transmission Unit (MTU) size for SCTP value as configured in the SCTP Parameter Template.
SCTP RTO Initial	Displays the initial time for SCTP Retransmission Timeout (RTO) value as configured in the SCTP Parameter Template.
SCTP RTO Max	Displays the maximum time for SCTP Retransmission Timeout (RTO) value as configured in the SCTP Parameter Template.
SCTP RTO Min	Displays the minimum time for SCTP Retransmission Timeout (RTO) value as configured in the SCTP Parameter Template

Field	Description
SCTP Sack Frequency	Displays the frequency for SCTP Selective Acknowledgement value as configured in the SCTP Parameter Template.
SCTP Sack Period	Displays the period of time for SCTP Selective Acknowledgement value as configured in the SCTP Parameter Template.
SCTP Start MTU	Displays the initial Maximum Transmission Unit (MTU) size for SCTP value as configured in the SCTP Parameter Template.
SCTP Heartbeat Status	Displays the SCTP heartbeat status as configured in the SCTP Parameter Template.
SCTP HeartBeat Timer	Displays the SCTP heartbeat timer value as configured in the SCTP Parameter Template.
SCTP Bundle Status	Displays the SCTP data chunk bundle status as configured in the SCTP Parameter Template.
SCTP Bundle Timer	Displays the SCTP data chunk bundle timer value as configured in the SCTP Parameter Template.
SCTP Alternate Accept Flag	Displays the SCTP additional lifetime accept flag status as configured in the SCTP Parameter Template.

show sls-service statistics

Table 2: show sls-service statistics Command Output Descriptions

Field	Description
SLS-AP Statistics	
Sent Messages:	
Location Request	The total number of SLs Application Protocol - Location Request messages transmitted.
Location Abort	The total number of SLs Application Protocol - Location Abort messages transmitted.
Connection Info	The total number of SLs Application Protocol - Connection oriented information messages transmitted.
Connectionless Info	The total number of SLs Application Protocol - Non Connection oriented information messages transmitted.
Reset Req	The total number of SLs Application Protocol - Reset messages transmitted.
Reset Ack	The total number of SLs Application Protocol - Reset acknowledgements transmitted.

Field	Description
Received Messages:	
Location Response	The total number of SLs Application Protocol - Location Responses received.
Connection Info	The total number of SLs Application Protocol - Connection oriented information messages received.
Connectionless Info	The total number of SLs Application Protocol - Non Connection oriented information messages received.
Reset Req	The total number of SLs Application Protocol - Reset messages received.
Reset Ack	The total number of SLs Application Protocol - Reset Acknowledgements received.
SCTP Statistics	
Transmitted SCTP Data	This sub-group displays the statistics of the total data processed and transmitted over Stream Control Transmission Protocol (SCTP) interface by the SLs service.
Init Chunks	The total SCTP packets with INIT transmitted by the SLs service.
Init Ack Chunks	The total SCTP packets with INIT-ACK transmitted by the SLs service.
Shutdown Chunks	The total SCTP packets with SHUTDOWN transmitted by the SLs service.
Shutdown Ack Chunks	The total SCTP packets with SHUTDOWN-ACK transmitted by the SLs service.
Cookie Chunks	The total SCTP packets with COOKIE transmitted by the SLs service.
Cookie Ack Chunks	The total SCTP packets with COOKIE-ACK transmitted by the SLs service.
Data Chunks	The total SCTP packets with DATA transmitted by the SLs service.
Data Ack Chunks	The total SCTP packets with DATA-ACK transmitted by the SLs service.
Shutdown Complete Chunks	The total SCTP packets with SHUTDOWN-COMPLETE transmitted by the SLs service.
Heartbeat Chunks	The total SCTP packets with HEARTBEAT transmitted by the SLs service.
HeartBeat Ack Chunks	The total SCTP packets with HEARTBEAT-ACK transmitted by the SLs service.

Field	Description
Abort Chunks	The total SCTP packets with ABORT transmitted by the SLs service.
Error Chunks	The total SCTP packets with ERROR transmitted by the SLs service.
Received SCTP Data	This sub-group displays the statistics of the total data received and processed by the SLs service.
Init Chunks	The total SCTP packets with INIT received by the SLs service.
Init Ack Chunks	The total SCTP packets with INIT-ACK received by the SLs service.
Shutdown Chunks	The total SCTP packets with SHUTDOWN received by the SLs service.
Shutdown Ack Chunks	The total SCTP packets with SHUTDOWN-ACK received by the SLs service.
Cookie Chunks	The total SCTP packets with COOKIE received by the SLs service.
Cookie Ack Chunks	The total SCTP packets with COOKIE-ACK received by the SLs service.
Data Chunks	The total SCTP packets with DATA received by the SLs service.
Data Ack Chunks	The total SCTP packets with DATA-ACK received by the SLs service.
Shutdown Complete Chunks	The total SCTP packets with SHUTDOWN-COMPLETE received by the SLs service.
Heartbeat Chunks	The total SCTP packets with HEARTBEAT received by the SLs service.
HeartBeat Ack Chunks	The total SCTP packets with HEARTBEAT-ACK received by the SLs service.
Abort Chunks	The total SCTP packets with ABORT received by the SLs service.
Error Chunks	The total SCTP packets with ERROR received by the SLs service.
Retransmitted SCTP Data	This sub-group displays the statistics of the total data processed and retransmitted by the SLs service.
Init Chunks	The total SCTP packets with INIT retransmitted by the SLs service.
Shutdown Chunks	The total SCTP packets with SHUTDOWN retransmitted by the SLs service.

Field	Description
Shutdown Ack Chunks	The total SCTP packets with SHUTDOWN-ACK retransmitted by the SLs service.
Cookie Chunks	The total SCTP packets with COOKIE retransmitted by the SLs service.
Data Chunks	The total SCTP packets with DATA transmitted by the SLs service.
Total Bytes Sent	The total number of SCTP bytes transmitted by the SLs service to the eSMLC.
Total Bytes Received	The total number of SCTP bytes received by the SLs service from the eSMLC.
Total Packets Sent	The total number of SCTP packets transmitted by the SLs service to the eSMLC.
Total Packets Received	The total number of SCTP packets received by the SLs service from the eSMLC.