

show location-service

This chapter describes the output of the **show location-service** command.

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show location-service service all

Displays configuration information for all Location services (LCS) configured on the system.

Table 1: show location-service service all Command Output Descriptions

Field	Description
Service name	The name of the Location service configured on the system.
Context	The name of the context in which this Location service is configured on the system.
Status	The state of the Location service, either STARTED or NOT STARTED. The status will display STARTED if a valid diameter endpoint is associated with this locations service.
Diameter endpoint	The Diameter endpoint configured for this Location service.
Diameter dictionary	The Diameter dictionary configured for this Location service.
Map Service	The MAP service configured for this Location service.
SLS service	The name of the SLs service associated with this Location service.
LCSN timer	SGSN only: Displays the configuration of the Location service **timeout lcsn** command.
UE AVAILABLE GUARD timer	SGSN only: Displays the configuration of the Location service **timeout ue-available-guard-timer** command.
AREA EVENT INVOKE timer	SGSN only: Displays the configuration of the Location service **timeout area-event-invoke-timer** command.

Field	Description
PERIODIC EVENT INVOKE timer	SGSN only: Displays the configuration of the Location service **timeout periodic-event-invoke-timer** command.
Destination Host	Displays the configuration of the Location service **destination-host** command, showing either the configured destination host or NA if not configured. If this command is not configured, the peer host name configured in the diameter endpoint is encoded as destination-host AVP.
SLR trigger for Emergency calls	Displays the configuration of the Location Service **slr emergency dedicated-bearer-only** command. This field displays **Dedicated Bearer Only** when configuration is enabled and **Attach or PDN** when configuration is disabled.

show location-service statistics all

Displays Location services (LCS) statistics for all Location services configured on the system.

Table 2: show location-service statistics all Command Output Descriptions

Field	Description
Message Statistics	
PSL Request	The total number of Provide Subscriber Location Request messages received.
PSL Answer	The total number of Provide Subscriber Location Answer messages sent.
PSL Request Dropped	The total number of Provide Subscriber Location Request messages dropped.
PSL Answer Dropped	The total number of Provide Subscriber Location Answer messages dropped.
LR Request	The total number of Network Induced Location Request (NI-LR) request messages initiated by the MME.
LR Request Dropped	The total number of Location Request messages that were dropped (could not be sent) as a result of the peer being down.
LR Answer	The total number of Location Request acknowledge messages received.
LR Answer Dropped	The total number of Location Request acknowledge messages dropped. This can occur when the user name in the acknowledge message does not match that sent in the request. **Important** In Release 16.0 and later, this counter is deprecated.
LR Answer Timeout	The total number of Location Request acknowledge messages expected but not received before the timer expired.
Message Error Statistics	
User Unknown	The total number of times the PLR was received for an unknown user (Error code: 5001).

Field	Description
Unauthorized Requestion Network	The total number of times the requesting GMLC's network was not authorized to request UE location information (Error code: 5490).
Unreachable User	The total number of times a PLR was received for a user which could not be reached (Error code: 4221)
Suspended User	The total number of times the PLR was received for a user who is suspended in the MME (Error code: 4222).
Detached User	The total number of times where the PLR was received for a detached user (Error code: 4223).
Positioning Denied	The total number of times the positioning procedure was denied (Error code: 4224).
Positioning Failed	The total number of times the positioning procedure failed (Error code: 4225).
Unreachable LCS Client	The total number of times the GLMC indicated that the LCS Client was not known or could not be reached (Error code: 4226).
Other Errors	The total number of PLA messages received with other error result codes.
Location Report Event Statistics	
Events Sent:	
Call Origination	Total number of Call-Origination events sent when SLR message is triggered towards GMLC.
Call Release	Total number of Call-Release events sent when SLR message is triggered towards GMLC.
Call Handover	Total number of Call-Handover events sent when SLR message is triggered towards GMLC.
Events Dropped:	
Call Origination	Total number of Call-Origination events dropped when SLR message is triggered towards GMLC.
Call Release	Total number of Call-Release events dropped when SLR message is triggered towards GMLC.
Call Handover	Total number of Call-Handover events dropped when SLR message is triggered towards GMLC.