



show location-service

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

- [show location-service service all, on page 1](#)
- [show location-service statistics all, on page 2](#)

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. |

| Field | Description |
|---|---|
| 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). |
| 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. |

