



Monitor the MME Service

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Overview

This chapter provides information for monitoring service status and performance using the **show** commands found in the Command Line Interface (CLI). These command have many related keywords that allow them to provide useful information on all aspects of the system ranging from current software configuration through call activity and status.

The selection of keywords described in this chapter is intended to provided the most useful and in-depth information for monitoring the system. For additional information on these and other **show** command keywords, refer to the Command Line Interface Reference.

In addition to the CLI, the system supports the sending of Simple Network Management Protocol (SNMP) traps that indicate status and alarm conditions. Refer to the SNMP MIB Reference Guide for a detailed listing of these traps.

Monitoring System Status and Performance

This section contains commands used to monitor the status of tasks, managers, applications and other software components in the system. Output descriptions for most of the commands are located in the Counters and Statistics Reference.

Table 1: System Status and Performance Monitoring Commands

To do this:	Enter this command:
View Session Statistics and Information	
Display Session Resource Status	
View session resource status	show resources session
Display Historical Session Counter Information	
View all historical information for all sample intervals	show session counters historical

To do this:	Enter this command:
Display Session Duration Statistics	
View session duration statistics	show session duration
Display Session State Statistics	
View session state statistics	show session progress
Display Session Subsystem and Task Statistics	
Refer to the System Software Tasks appendix of the <i>System Administration Guide</i> for additional information on the Session subsystem and its various manager tasks.	
View AAA Manager statistics	show session subsystem facility aaamgr all
View MME Manager statistics	show session subsystem facility mmemgr all
View Session Manager statistics	show session subsystem facility sessmgr all
View MME Application statistics	show logs facility mme-app
View MME HSS Service facility statistics	show logs facility mme-hss
View MME miscellaneous logging facility statistics	show logs facility mme-misc
View MME Demux Manager logging facility statistics	show logs facility mmedemux
Display Session Disconnect Reasons	
View session disconnect reasons with verbose output	show session disconnect-reasons
View MME Service Statistics	
Display MME Service Session Statistics	
View MME service session state	show mme-service session full
View MME service session statistics	show mme-service counters
View MME database statistics for all instances of DB	show mme-service db statistics
View individual MME service statistics in concise mode	show mme-service statistics mme-service mme_svc_1
View HSS Statistics	
View HSS session summary	show hss-peer-service session summary all
View HSS session statistics	show hss-peer-service statistics all
View eGTPC Statistics	
View eGTPC peer information	show egtpc peers interface sgw-egress address ip_adr
View eGTPC session information	show egtpc sessions
View eGTPC session statistics	show egtpc statistics
View Subscriber Session Trace Statistics	
View session trace statistics for subscriber with specific trace reference id on an MME	show session trace subscriber reference-id trace_ref network-element mme

To do this:	Enter this command:
View Trace Collection Entity connections and statistics for all network elements	show session trace tce-summary

Clearing Statistics and Counters

It may be necessary to periodically clear statistics and counters in order to gather new information. The system provides the ability to clear statistics and counters based on their grouping (MME, MME-HSS, MME DB, etc.).

Statistics and counters can be cleared using the CLI **clear** command. Refer to the *Command Line Reference* for detailed information on using this command.

