



## Monitoring the Service

This chapter provides information for monitoring service status and performance using the **show** commands found in the Command Line Interface (CLI). These commands 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 provide 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, on page 1](#)
- [Clearing Statistics and Counters, on page 2](#)

## 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*.



### Important

Not all Show commands are available for all platforms and licenses.

**Table 1: System Status and Performance Monitoring Commands**

To do this:	Enter this command:
View HA Manager statistics	<b>show session subsystem facility hamgr all</b>
<b>View Mobile IP Home Agent Statistics</b>	
Display Mobile IP HA Information for a Specific Subscriber	
View Mobile IP HA information and counters for a specific subscriber	<b>show mipha full username <i>subscriber_name</i></b>
Display Mobile IP Statistics for HA Services	

To do this:	Enter this command:
View Mobile IP statistics for a specific HA service	<b>show mipha statistics ha-service</b> <i>service_name</i>
Display Mobile IP HA Counters	
View Mobile IP HA counters for individual subscriber sessions	<b>show mipha counters</b>

## 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 (PPP, MIPHA, MIPFA, etc.).

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