

show congestion-control

This chapter includes the **show congestion-control** command output tables.

- show congestion-control configuration, on page 1
- show congestion-control statistics a11mgr instance, on page 2
- show congestion-control statistics asngwmgr instance, on page 2
- show congestion-control statistics egtpinmgr, on page 3
- show congestion-control statistics mme full, on page 3

show congestion-control configuration

Table 1: show congestion-control configuration Command Output Descriptions

Field	Description
system cpu utilization	Displays the current congestion-control configuration. If the demuxmgr exclusion is configured while calculating system CPU utilization, then relevant data regarding exclusion is mentioned in the output.
system memory utilization	Displays the current congestion-control configuration. If the demuxmgr exclusion is configured while calculating system memory utilization, then relevant data regarding exclusion is mentioned in the output.
demuxmgr average cpu utilization	Displays the current congestion-control configuration. If the demuxmgr CPU utilization threshold is configured, then the respective facility is monitored for the CPU utilization.
connected-sessions-utilization	Displays the current congestion-control configuration. If the total connected session monitoring is configured, then the system wide connected session value is monitored.

show congestion-control statistics a11mgr instance

Table 2: show congestion-control statistics a11mgr instance Command Output Descriptions

Field	Description
Current congestion status	The current congestion control state as "Cleared" or "Applied".
Congestion applied	Displays the number of times the system invoked a congestion control policy for the specified service type.
Congestion Control Resource Limits	Indicates the congestion control threshold that was triggered. For more information, refer to the **congestion-control threshold** command in the Global Configuration Mode chapter of the *Command Line Interface Reference*.

show congestion-control statistics asngwmgr instance

Table 3: show congestion-control statistics asngwmgr instance Command Output Descriptions

Field	Description
current congestion status	The current congestion control state as "Cleared" or "Applied".
congestion applied	Displays the number of times the system invoked a congestion control policy for the specified service type.
congestion Control Resource Limits	Indicates the congestion control threshold that was triggered. For more information, refer to the **congestion-control threshold** command in the Global Configuration Mode chapter of the *Command Line Interface Reference*.
system cpu use exceeded	Indicates the number of time the ASNGW Manager exceeded the system CPU usage limit.
service cpu use exceeded	Indicates the number of time the ASNGW Manager exceeded the CPU usage limit specified for this service.
system memory use exceeded	Indicates the number of time the ASNGW Manager exceeded the allocated system memory usage limit.
port rx use exceeded	Indicates the number of time the ASNGW Manager exceeded the Rx port usage limit.
port tx use exceeded	Indicates the number of time the ASNGW Manager exceeded the Tx port usage limit.
port specific rx use exceeded	Indicates the number of time the ASNGW Manager exceeded the Rx port usage limit for a specific port number.
port specific tx use exceeded	Indicates the number of time the ASNGW Manager exceeded the Tx port usage limit for a specific port number.

Field	Description
max sess use exceeded	Indicates the number of time the ASNGW Manager exceeded the maximum session usage limit for a service.
license use exceeded	Indicates the number of time the ASNGW Manager exceeded the maximum license usage limit.
msg queue size use exceeded	Indicates the number of time the ASNGW Manager exceeded the message queue size usage.
msg queue wait time exceeded	Indicates the number of time the ASNGW Manager exceeded the message queue wait time.
license threshold exceeded	Indicates the number of time the ASNGW Manager exceeded the license threshold limit.
max sess threshold exceeded	Indicates the number of time the ASNGW Manager exceeded the maximum session threshold limit.
sessions disconnected due to overload disconnect	Indicates the total number of sessions disconnected due to overload.

show congestion-control statistics egtpinmgr

Table 4: show congestion-control statistics egtpinmgr Command Output Descriptions

Field	Description
demuxmgr cpu use	Displays the current congestion-control statistics. If a congestion policy is applied, then an entry is made for the resource types with congestion applied.
connected sess threshold exceeded	Displays the current congestion-control statistics. If there is a congestion applied, then an entry is made for the resource types with congestion applied.

show congestion-control statistics mme full

Table 5: show congestion-control statistics mme full Command Output Descriptions

Field	Description
Critical/Major/Minor Congestion Policy Action	This section provides statistics for the Critical, Major or Minor congestion policy actions that were triggered for the MME.
Congestion Policy Applied	Displays the number of times the system invoked a congestion control policy.
PS attaches Rejected/Dropped	Indicates the number of packet switched Attach requests that were rejected/dropped.
Combined attaches Rejected/Dropped	Indicates the number of Combined Attach requests that were rejected/dropped.

Field	Description
S1-Setup Rejected/Dropped	Indicates the number of S1-Setup attempts that were rejected/dropped.
Handover Rejected/Dropped	Indicates the number of handover attempts that were rejected/dropped.
Addn-pdn-connect Rejected/Dropped	Indicates the number of additional PDN context connection attempts that were rejected/dropped.
Addn-brr-connect Rejected/Dropped	Indicates the number of additional Bearer Resource Requests that were rejected/dropped.
Brr-ctxt-mod-request Rejected/Dropped	Indicates the number of Bearer Resource Context Modification Requests dropped or rejected during a congestion condition.
Service-Request Rejected/Dropped	Indicates the number of service requests that were rejected/dropped.
TAU-Request Rejected/Dropped	Indicates the number of TAU requests that were rejected/dropped.
S1AP Overload Start Sent	Indicates the number of S1AP Overload Start messages that were sent.
S1AP Overload Stop Sent	Indicates the number of S1AP Overload Stop messages that were sent.
Excluded Emergency Events	Indicates the number of emergency events that were excluded from the Congestion Control policy based on the configuration of the **exclude-emergency-events** command. These events were allowed to proceed during a congestion condition.
Excluded Voice Events	Indicates the number of voice calls that were excluded from the Congestion Control policy based on the configuration of the **exclude-voice-events** command. These calls were allowed to proceed when a congestion condition.