Viewing Mobility Group Statistics

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Viewing Mobility Group Statistics (GUI)

Step 1

Choose Monitor > Statistics > Mobility Statistics to open the Mobility Statistics page. This page contains the following fields

- Group Mobility Statistics
  - Rx Errors—Generic protocol packet receive errors, such as packet too short or format incorrect.
  - Tx Errors—Generic protocol packet transmit errors, such as packet transmission fail.
  - Responses Retransmitted—Mobility protocol that uses UDP and resends requests several times if it does not receive a response. Because of network or processing delays, the responder may receive one or more retry requests after it initially responds to a request. This text box shows a count of the response resends.
  - Handoff Requests Received—Total number of handoff requests received, ignored, or responded to.
  - Handoff End Requests Received—Total number of handoff end requests received. These requests are sent by the anchor or foreign controller to notify the other about the close of a client session.
  - State Transitions Disallowed—Policy enforcement module (PEM) that has denied a client state transition, usually resulting in the handoff being aborted.
  - Resource Unavailable—Necessary resource, such as a buffer, was unavailable, resulting in the handoff being aborted.

- Mobility Initiator Statistics
  - Handoff Requests Sent—Number of clients that have associated to the controller and have been announced to the mobility group.
  - Handoff Replies Received—Number of handoff replies that have been received in response to the requests sent.
• Handoff as Local Received—Number of handoffs in which the entire client session has been transferred.
• Handoff as Foreign Received—Number of handoffs in which the client session was anchored elsewhere.
• Handoff Denys Received—Number of handoffs that were denied.
• Anchor Request Sent—Number of anchor requests that were sent for a three-party (foreign-to-foreign) handoff. The handoff was received from another foreign controller, and the new controller is requesting the anchor to move the client.
• Anchor Deny Received—Number of anchor requests that were denied by the current anchor.
• Anchor Grant Received—Number of anchor requests that were approved by the current anchor.
• Anchor Transfer Received—Number of anchor requests that closed the session on the current anchor and transferred the anchor back to the requestor.

• Mobility Responder Statistics
  • Handoff Requests Ignored—Number of handoff requests or client announcements that were ignored because the controller had no knowledge of that client.
  • Ping Pong Handoff Requests Dropped—Number of handoff requests that were denied because the handoff period was too short (3 seconds).
  • Handoff Requests Dropped—Number of handoff requests that were dropped due to either an incomplete knowledge of the client or a problem with the packet.
  • Handoff Requests Denied—Number of handoff requests that were denied.
  • Client Handoff as Local—Number of handoff responses sent while the client is in the local role.
  • Client Handoff as Foreign—Number of handoff responses sent while the client is in the foreign role.
  • Anchor Requests Received—Number of anchor requests received.
  • Anchor Requests Denied—Number of anchor requests denied.
  • Anchor Requests Granted—Number of anchor requests granted.
  • Anchor Transferred—Number of anchors transferred because the client has moved from a foreign controller to a controller on the same subnet as the current anchor.

Step 2 If you want to clear the current mobility statistics, click Clear Stats.

Viewing Mobility Group Statistics (CLI)

• See mobility group statistics by entering the show mobility statistics command.
• To clear the current mobility statistics, enter the clear stats mobility command.