Viewing Mobility Group Statistics

Viewing Mobility Group Statistics (GUI)

Step 1   Choose **Monitor > Statistics > Mobility Statistics** to open the Mobility Statistics page.

This page contains the following fields

• Global 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 terminated.

- Resource Unavailable—Necessary resource, such as a buffer, was unavailable, resulting in the handoff being terminated.

• 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)

Step 1   See mobility group statistics by entering this command:

show mobility statistics

Step 2   Clear the current mobility statistics by entering this command:

clear stats mobility