

ICSR Bulk Statistics

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Revision History

Note Revision history details are not provided for features introduced before release 21.24.

Revision Details	Release
First introduced	Pre 21.24

Feature Description

This feature provides the support for ICSR Bulk Statistics schema on the User Plane.

Configuring the ICSR Bulk statistics Schema

Following is the sample configuration to configure the few of the ICSR schema on the User Plane:

```
configure
  bulkstats collection collection_detail
     bulkstats mode mode_name
        sample interval interval_value
        file file_number
           icsr schema icsr_schema format "ICSR:
switchover-number:%switchover-number% switchover-time:%switchover-time%,
 switchover-reason:%switchover-reason%”
         end
```

Show CLIs

Following are the show command CLIs to fetch the ICSR schema bulk statistics data.

- **Show bulk stats data** - displays criteria contained in the statistics gathering scheme for up to four files. See viewing collected bulk statistics data.
- **bulk force gather** – displays the bulkstats data.
- **show bulkstats schemas** - displays the scheme used to gather statistics including collection and transmission statistics. See verifying your configuration.
- **show bulkstats variables** - displays available bulkstat variables (%variable%) by schema type that can be incorporated into a schema format.
- **show configuration bulkstats brief** - displays the bulkstats configuration at a global scope and displays the server configuration. It does not display the schema configuration.

Bulk Statistics

Run the following CLI on User Plane to check the counters available for ICSR schema.

```
show bulkstats variables icsr
```

The following table includes the details of the ICSR counters supported on the User Plane:

Table 1: ICSR Counters applicable in UP

ICSR Counters	Description
switchover-number	Identifying number of switchovers since the last chassis rebooted.
switchover-time	Timestamp for when the switchover was initiated.
switchover-reason	Reason for switchover (manual and BGP failure and auth probe failure and so on).
switchover-duration	Amount of time it took to complete the switchover.
total-num-act-calls-swo-time	Total number of active calls at the time of the switchover.
total-num-lost-calls-swo-time	Total number of data sessions lost due to the switchover.
audit_number	Identifying number of recent audits performed since the last system reboot.
audit_chassis_state	Chassis state (active/standby) on which the audit was performed.
audit_start_time	Timestamp for when the audit was initiated.
ext-audit-sync-start-time	External audit synchronization start time on standby chassis
ready-for-switchover-time	Timestamp on standby chassis when it is ready for next switchover
audit_duration	Amount of time it took to complete the audit
audit_reason	Reason for the audit
total_audit_active_sessions	Total number of active sessions found during the audit.

ICSR Counters	Description
total_audit_new_sessions	Total number of new sessions found during the audit.
total_audit_stale_sessions	Total number of stale sessions found during the audit.
total_audit_inactive_sessions	Total number of inactive sessions found during the audit.
total_sessmgr	Total number of session manager instances on the chassis.
total_sessmgr_active_connected	Total number of session managers in the active-connected state.
total_sessmgr_standby_connected	Total number of session manager instances in the standby-connected state.
total_sessmgr_pending_connected	Total number of sessions manager instances in the pending-connected state.
total_sess_crr_count	Total number of currently existing Call Recovery Records (CRRs).
total_sess_crr_pre_installed	Total number of currently existing pre-installed CRRs.
total-num-act-sessions-swo-time	Total number of fully connected sessions found during the switchover event.
total-num-lost-sessions-swo-time	Total number of fully connected sessions lost during the switchover event
critical-flush-duration	Amount of time it took to complete the critical flush.
total-num-checkpoint-fc-flush	Total number of full checkpoints flushed during switchover
total-num-checkpoint-critical-mc-flush	Total number of critical micro checkpoints flushed during switchover
total-num-checkpoint-mc-flush	Total number of micro checkpoints flushed during switchover
total_first_fc_during_critical_flush	Total number of full checkpoints found during critical flush.
total-num-first-fc-never-sent	Total number of first full checkpoints never sent during switchover
total-num-critical-fc-not-sent	Total number of critical full checkpoints not sent during switchover
checkpoints-never-sent	Total number of SRP checkpoints that were never sent.
checkpoints-send-failed	Total number of sent SRP checkpoints that failed.