



## show fa-service

This chapter includes the **show fa-service** command output tables.

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## show fa-service

**Table 1: show fa-service name Command Output Descriptions**

| Field                   | Description  |
|-------------------------|--|
| Service name            | The name of the FA service for which the information are displayed.                      |
| Context                 | The name of the context in which this service is configured.                             |
| Bind                    | Status of connectivity of this service with context and IP address.                      |
| Max Subscribers         | The number of subscribers are allowed to configure in this service.                      |
| Local IP Address        | IP address to which this service is bound and communicate with HA.                       |
| Local IP Port           | The port number on which this service is to communicate with HA.                         |
| Lifetime                | The maximum time that the FA session can exist before it becomes expired.                |
| Registration Timeout    | The maximum duration of inactivity for a session registration before it becomes expired. |
| Advt Lifetime           | Lifetime for an advertisement message.   |
| Advt Interval           | Interval between two advertisement messages.   |
| Num Advt                | The total number of advertisement messages broadcasted.                                  |
| Advt Prefix Length Extn | Indicates the setting of prefix extension length in advertisement message.               |

| Field                          | Description  |
|--------------------------------|--|
| Reverse Tunnel                 | Status of reverse tunnel.  |
| GRE Encapsulation              | Status of Generic Routing Encapsulation (GRE).   |
| Optimize Tunnel Reassembly     | Status of tunnel reassembly optimization.  |
| Allow Priv Addr w/o Rev Tunnel | Status of setting to allow private addresses without reverse tunnelling.   |
| Dynamic MIP Key Update         | Status of setting to update dynamic MIP key.   |
| Ignore Dynamic MIP Key         | Status of setting to ignore dynamic MIP keys.  |
| Remove MN-AAA/MN-FAC extns     | Status of setting to remove MN-AAA and/or MN-FA extensions from messages.  |
| Standalone FA service          | Show the standalone FA service status. If "Enabled" system performs as a standalone FA only.   |
| Proxy MIP                      | Status of Proxy Mobile IP support.   |
| Proxy MIP Max Retransmissions  | Total number of retransmission for Proxy Mobile IP support.  |
| Proxy MIP Retrans Timeout      | Timeout duration in seconds between two of retransmissions for Proxy MIP support.  |
| Proxy MIP Renew Percent Time:  | Percentage of timeout duration. Once this much percent of timeout duration exhausted the Proxy MIP message will be retransmitted.<br><br>For example, If retransmission timeout is set for 4 secs. and renew percent time is configured for 75%, the Proxy MIP messages will be retransmitted after 3 seconds. |
| SPI(s)                         | The configured Security Parameter Index (SPI) number between FA and HA.  |
| <b>FAHA</b>                    |  |
| Remote Addr                    | IP address of HA.  |
| Hash Algorithm:                | Hashing algorithm applicable for HA.   |
| SPI Num                        | SPI number set for HA.   |
| Replay Protection:             | Type of reply protection enabled for reply messages.   |
| Timestamp Tolerance            | Total variation allowed in timestamp mismatch.   |
| HA Monitoring:                 | Status of HA monitoring configuration.   |
| GRE Sequence Numbers           | Status of GRE sequence number setting in messages.   |
| GRE Sequence Mode              | Specifies the GRE sequence mode.   |
| GRE reorder Timeout            | Total timeout duration for GRE reorder.  |

| Field                             | Description   |
|-----------------------------------|---|
| GRE Checksum                      | Status of GRE Checksum setting in messages.   |
| GRE Checksum Verification         | Status of GRE Checksum verification setting.  |
| Registration Revocation           | Status of registration revocation setting.  |
| Reg-Revocation I Bit              | Status of I-bit setting for registration revocation.  |
| Reg-Revocation Max Retries        | Maximum number of retries allowed for registration revocation.  |
| Reg-Revocation Timeout            | Total duration allowed between two retries for registration revocation.   |
| Reg-Rev on InternalFailure        | Specifies whether registration revocation will be triggered on internal failure or not.   |
| Default Subscriber                | Name of the default subscriber.   |
| Max sessions                      | Maximum number of subscriber sessions allowed.  |
| Max challenge len                 | Length of challenge key for subscriber authentication.  |
| Challenge Window                  | total number of windows opened for challenge.   |
| Service Status                    | Status of this service.   |
| MN-AAA Auth Policy                | Specifies the lookup criteria for authentication policy between MN and AAA in RRP. Possible settings are:<br>always ignore old/stale challenge messages, except for new and dynamic new registrations |
| Optimize-Retries                  | Status of setting for optimized retries when authentication policy is not received for MN and AAA.  |
| MN-HA Auth Policy                 | Specifies the lookup criteria for authentication policy between MN and HA in RRP.   |
| AAA Distributed MIP Keys Override | Specifies the setting for the FA service to override dynamic keys from AAA with static keys to support MIP registration with HAs which do not support dynamic keys.                                   |
| Newcall Policy                    | Specify that new call policy enabled or disabled to handle new calls.   |
| Idle Timeout Mode                 | Idle timeout mode allowed for this service.   |
| Ignore Stale Challenge            | Status of setting to ignore old/stale challenge messages.   |
| Limit Reg Lifetime                | Status of setting to limit registration lifetime.   |
| Dynamic HA Failover               | Status of setting to handle dynamic HA failovers.   |
| AAA HA override                   | Status of setting to override HA settings if received from AAA.   |
| HA Failover                       | Status of setting to handle HA failovers.   |

| <b>Field</b>              | <b>Description</b>   |
|---------------------------|--|
| Retrans Timeout           | Timeout duration between two retransmission of probe on HA failover.                         |
| Retries Before Swtichover | Total number of retries before switching to another HA.                                      |
| Maximum retries           | Total number of retries allowed.   |
| Load Balance              | Status of setting to handle HA performance issues or HAa failovers by load balancing.        |
| HA Monitoring             | Status of setting to monitor HA.   |
| Inactivity Timeout        | Timeout duration after which a probe message will be sent to HA.                             |
| Monitor Reply Timeout     | Timeout duration to wait for reply from HA after which a probe message will be resent to HA. |
| Maximum retries           | Total number of retries allowed.   |