

show mipfa

This chapter includes the **show mipfa** command output tables.

- show mipfa full username, on page 1
- show mipfa peers fa-service, on page 3

show mipfa full username

Table 1: show mipfa full username Command Output Descriptions

Field	Description
Username	The subscriber's username.
Callid	The subscriber's call identification number (callid).
MSID	The subscriber's Mobile Station Identification number (MSID).
Num Agent Advt Sent	The total number of agent advertisement messages sent by the FA to the subscriber's mobile node.
Num Agent Solicit Rcvd	The total number of agent solicitation messages received by the FA from the subscriber's mobile node.
Home Address	The IP address assigned to the subscriber's mobile node for the duration of the session.
NAI	The subscriber's Network Access Identifier (NAI).
FA Address	The IP address of the FA that is facilitating the subscriber's Mobile IP session.
HA Address	The IP address of the Home Agent that is facilitating the subscriber's Mobile IP session.
Lifetime	The accepted lifetime interval for this session.
Remaining Lifetime	The amount of time that remains after which the session expires and is torn down.
Reverse Tunneling	Displays whether or not reverse tunneling is implemented for the subscriber's session.
Encapsulation Type	The encapsulation method used for the subscriber's session.

Field	Description
GRE Key	The key that uniquely identifies the subscriber session when the Generic Routing Encapsulation (GRE) protocol Encapsulation Type
IPSec Required	Indicates whether or not IPSec is required for the subscriber Mobile IP session.
IPSec Ctrl Tunnel Estab.	If IPSec is required for the session, this field indicates whether or not the control tunnel has been established.
IPSec Data Tunnel Estab.	If IPSec is required for the session, this field indicates whether or not the data tunnel has been established.
MN-AAA Removal	Shows if mn-aaa-removal-indication is enable or disabled. The possible values are: • enabled • disabled
Proxy MIP	Shows if Proxy Mobile IP is enabled or disabled for this subscriber session. Possible values are: • enabled • disabled
DMU Auth Failures	The total number of failed Dynamic MIP Key Update authentications for this subscriber session.
Send Terminal Verification	Shows if the FA is enabled to send the terminal verification NVSE in the RRQ. for this subscriber session. Possible values are: • enabled • disabled
Revocation Negotiated	Indicates whether or not MIP Registration Revocation was negotiated between the FA and the HA for this subscriber session. Possible values are : • NO • YES
Revocation I Bit Negotiated	Indicates whether or not the Revocation I bit was negotiated. Possible values are : • NO • YES
MN-HA-SPI Present	Status of dynamic MN-HA-SPI received from AAA in RRP for this subscriber session.
MN-HA-SPI	Specifies the dynamic MN-HA Security Parameter Index (SPI) number received from AAA in RRP for this subscriber session.
FA-HA-SPI Present	Status of dynamic FA-HA-SPI received from AAA in RRP for this subscriber session.

Field	Description
FA-HA-SPI	Specifies the dynamic FA-HA Security Parameter Index (SPI) number received from AAA in RRP for this subscriber session.
FA-HA-Key-Present	The security parameter index (SPI) key used to verify a trusted host environment and that communications are to be established between known hosts. Checks for presence of the FA - HA key. Options are: • True • False
FA-HA-SPI	FA - HA security parameter index (SPI)
HA-RK-Key-Present	The HA root key (RK) received by the HA from the AAA in the Radius Access-Accept. Checks for presence of HA-RK key. Options are: • True • False Note: True indicates a WiMAX session.
HA-RK-SPI	HA - RK security parameter index (SPI) Note: This field applies to WiMAX sessions only.
HA-RK-Lifetime	The total lifetime applied to an HA-RK. Note: This field applies to WiMAX sessions only.
HA-RK-Remaining-Lifetime	Thew total remaining lifetime for the HA-RK. Note: This field applies to WiMAX sessions only.

show mipfa peers fa-service

Table 2: show mipfa peers fa-service Command Output Descriptions

Field	Description
Context	The name of the context where the FA service is located.
FA Service	The name of the FA service.
Peer Address	The IP address of the peer.
Current Sessions	The number of sessions currently running on the peer.
Total Sessions	The total number of current and past sessions for the peer.
IP Security	Specifies if IP security is enabled or disabled on the peer.

Field	Description
FA-HA Authentication	Specifies if FA-HA authentication is enabled or disabled on the peer.
HA Monitor Status	Specifies if HA monitor is enabled or disabled on the peer.
Total Peers	The total number of peers in the output of this show command.
Total Current Sessions	The total number of sessions across all peers in the output of this show command.