

MIP HA Assignment Table Configuration Mode Commands

Command Modes

The Mobile IP HA Assignment Table Configuration Mode is used to assign specific Home Agent (HA) IP addresses to ranges of Mobile Node (MN) IP addresses.

Exec > Global Configuration > Context Configuration > MIP HA Assignment Table

configure > context *context_name* **> mobile-ip ha assignment-table** *table_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-mobile-ip-ha-assignment)#`

Important The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

Important For information on common commands available in this configuration mode, refer to the Common Commands chapter.

- hoa-range, on page 1

hoa-range

This command assigns ranges of Mobile Node (MN) IP addresses to specific Home agent IP addresses.

Product

HA

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Context Configuration > MIP HA Assignment Table

configure > context *context_name* **> mobile-ip ha assignment-table** *table_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-mobile-ip-ha-assignment)#`

Syntax Description

[no] hoa-range *ip_addressip_address2* **ha** *ip_address3*

no

Removes the specified Home Agent assignment from the assignment table.

ip_address ip_address2

Specifies a range of MN IP addresses. *ip_address* and *ip_address2* must be specified in IPv4 dotted-decimal or IPv6 colon-separated notation.

ha *ip_address3*

Specifies the IP address of the Home Agent to assign to MNs that are within the specified range. *ip_address3* must be specified in IPv4 dotted-decimal or IPv6 colon-separated notation.

Usage Guidelines

Use this command to assign ranges of MN IP addresses to specific HAs.

Important A maximum of eight MIP HA assignment tables can be configured per context with a maximum of eight MIP HA assignment tables across all contexts.

Important A maximum of 256 non-overlapping hoa-ranges can be configured per MIP HA Assignment table with a maximum of 256 non-overlapping hoa-ranges across all MIP HA Assignment tables.

Example

The following command assigns any MN IP address that falls in the range of *209.165.200.224* through *209.165.201.0* to the HA with the IP address of *209.165.200.234*:

```
hoa-range 209.165.200.224 209.165.201.0 ha 209.165.200.234
```