



# 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).

- [end, on page 1](#)
- [exit, on page 1](#)
- [hoa-range, on page 2](#)

## end

Exits the current configuration mode and returns to the Exec mode.

## Product

All

## Privilege

Security Administrator, Administrator

## Syntax Description

**end**

## Usage Guidelines

Use this command to return to the Exec mode.

## exit

Exits the current mode and returns to the parent configuration mode.

**hoa-range**

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	Use this command to return to the parent configuration mode.

## hoa-range

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

<b>Product</b>	HA
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > MIP HA Assignment Table <b>configure &gt; context</b> <i>context_name</i> > <b>mobile-ip ha assignment-table</b> <i>table_name</i>
<b>Syntax Description</b>	Entering the above command sequence results in the following prompt: [ <i>context_name</i> ]host_name(config-mobile-ip-ha-assignment)#  <b>[ no ] hoa-range</b> <i>ip_address ip_address2 ha ip_address3</i>

**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.

<b>Usage Guidelines</b>	Use this command to assign ranges of MN IP addresses to specific HAs.
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**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 *192.168.100.0* through *192.168.101.0* to the HA with the IP address of *192.168.200.10*:

```
hoa-range 192.168.100.0 192.168.101.0 ha 192.168.200.10
```

■ **hoa-range**