C Commands

clear ip lisp data-cache

To clear the LISP IPv4 data-cache, use the **clear ip lisp data-cache** command.

clear ip lisp data-cache [**vrf vrf-name**] **[EID]**

Syntax Description

vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) instance with which to clear the data cache.
EID	(Optional) IPv4 EID to clear from LISP data-cache.

Command Default

None

Command Modes

Any command mode

network-adminvdc-admin

Command History

Release	Modification
5.0(1.13)	This command was introduced.

Usage Guidelines

The clear ip lisp data-cache command removes all IPv4 endpoint identifier to Routing Locator (EID-to-RLOC) mapping in the forwarding data-cache. Data-cache entries are present in two cases only: when the ip lisp itr send-data-probe command entered, after a data-probe is sent, this data-probe is stored in the data cache until a Map-Reply is returned, when you enter the ip lisp etr glean-mapping command, gleaned EID-to-RLOC mapping data is stored in the data cache until the data is verified. When you use the optional vrf keyword, the data-cache is cleared for the specified VRF. When the EID option is used, only the EID-to-RLOC mapping for that entry is cleared.

This command does not require a license.

Examples

This example shows how to clear the LISP IPv4 data cache:

```
switch# clear ip lisp data-cache
```

Related Commands

Command	Description
show ip lisp data-cache	Displays the LISP IPv4 EID-to-RLOC data-cache mapping on an Ingress Tunnel Router (ITR).

clear ip lisp map-cache

To clear the Locator/ID Separation Protocol (LISP) IPv4 map-cache, use the **clear ip lisp map-cache** command.

clear ip lisp map-cache [**vrf vrf-name**] **[EID]**

Syntax Description

vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) with which to clear the map cache.
EID	(Optional) IPv4 EID prefix to clear from LISP map cache.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
5.0(1.13)	This command was introduced.

Usage Guidelines

The clear ipv lisp map-cache command removes all IPv4 dynamic endpoint identifier to Routing Locator (EID-to-RLOC) map-cache entries in the map cache. When the optional EID prefix is specified, only the EID-to-RLOC mapping for that entry is cleared. Otherwise, the entire data cache is cleared. When you specify the optional vrf keyword, the data cache is cleared for the specified VRF

This command does not require a license.

Examples

This example shows how to clear the LISP IPv4 map-cache:

```
switch# clear ip lisp map-cache
switch# show ip lisp map-cache
LISP IP Mapping Cache for VRF "default", 0 entries
```

This example shows display all LISP map-cache entries, and then clears the LISP map-cache for an IPv4 EID prefix:

```
switch# show ip lisp map-cache
LISP IP Mapping Cache for VRF “default”, 2 entries
153.16.1.0/24, uptime: 00:00:06, expires: 23:59:53, via map-reply, auth
  Locator         Uptime    State       Priority/  Data     Control
                                        Weight     in/out   in/out
  129.250.1.255   00:00:06  up          254/0      0/0      0/0
  129.250.26.242  00:00:06  up          1/100      0/0      0/0
153.16.12.0/24, uptime: 00:00:04, expires: 23:59:55, via map-reply, self
  Locator         Uptime    State       Priority/  Data     Control
```

```
                                      Weight     in/out   in/out
  128.223.156.23  00:00:04  up         1/100      0/0      0/0
switch# clear ip lisp map-cache 153.16.1.0/24
switch# show ip lisp map-cache
LISP IP Mapping Cache for VRF "default", 1 entries
153.16.12.0/24, uptime: 00:00:46, expires: 23:59:13, via map-reply, self
  Locator         Uptime    State       Priority/  Data     Control
                                        Weight     in/out   in/out
  128.223.156.23  00:00:46  up          1/100      0/0      2/1
switch#
```

Related Commands

Command	Description
show ip lisp map-cache	Displays current dynamic and static IPv4 EID-to-RLOC map-cache entries.

clear ip lisp statistics

To clear the Locator/ID Separation Protocol (LISP) ingress tunnel router (ITR) and Egress Tunnel Router (ETR) IPv4 address-family packet count statistics, use the **clear ip lisp statistics** command.

clear ip lisp statistics [**vrf vrf-name**]

Syntax Description

vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) with which to clear the LISP statistics.

Command Default

None

Command Modes

Global configuration mode

Command History

Release	Modification
5.0(1.13)	This command was introduced.
5.0(3.lisp)	This command was modified.

Usage Guidelines

The clear ip lisp statistics command clears all of the LISP Ingress Tunnel Router (ITR) and ETR IPv4 address-family packet count statistics. IPv4 address family packet count statistics are maintained for all LISP control plane packets. These packet counters are displayed using the show ip lisp statistics command.

This command does not require a license.

Examples

This example shows how to clear the LISP Ingress Tunnel Router (ITR) and ETR IPv4 address-family packet count statistics:

```
switch# clear ip lisp statistics
switch#
```

Related Commands

Command	Description
show ip lisp statistics	Displays LISP IPv4 address-family statistics.

clear ipv6 lisp data-cache

To clear the LISP IPv6 data-cache, use the **clear ipv6 lisp data-cache** command.

clear ipv6 lisp data-cache [**vrf vrf-name**] **[EID]**

Syntax Description

vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) instance with which to clear the data cache.
EID	(Optional) IPv6 EID to clear from LISP map cache.

Command Default

None

Command Modes

Any command mode

network-adminvdc-admin

Command History

Release	Modification
5.0(1.13)	This command was introduced.

Usage Guidelines

The clear ipv6 lisp data-cache command removes all IPv4 endpoint identifier to Routing Locator (EID-to-RLOC) mapping in the forwarding data-cache. Data-cache entries are present in two cases only: when the ip lisp itr send-data-probe command entered, after a data-probe is sent, this data-probe is stored in the data cache until a Map-Reply is returned, when you enter the ip lisp etr glean-mapping command, gleaned EID-to-RLOC mapping data is stored in the data cache until the data is verified. When you use the optional vrf keyword, the data-cache is cleared for the specified VRF. When the EID option is used, only the EID-to-RLOC mapping for that entry is cleared.

This command does not require a license.

Examples

This example shows how to clear the LISP IPv6 data-cache:

```
switch# clear ipv6 lisp data-cache
```

Related Commands

Command	Description
show ipv6 lisp data-cache	Displays the LISP IPv6 EID-to-RLOC data-cache mapping on an Ingress Tunnel Router (ITR).

clear ipv6 lisp map-cache

To clear the Locator/ID Separation Protocol (LISP) IPv6 map-cache, use the **clear ipv6 lisp map-cache** command.

clear ipv6 lisp map-cache [**vrf vrf-name**] **[EID]**

Syntax Description

vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) with which to clear the map cache.
EID	(Optional) IPv6 EID prefix to clear from LISP map cache.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
5.0(1.13)	This command was introduced.

Usage Guidelines

The clear ipv6 lisp map-cache command removes all IPv6 dynamic endpoint identifier to Routing Locator (EID-to-RLOC) map-cache entries in the map cache. When the optional EID prefix is specified, only the EID-to-RLOC mapping for that entry is cleared. Otherwise, the entire data cache is cleared. When you specify the optional vrf keyword, the data cache is cleared for the specified VRF

This command does not require a license.

Examples

This example shows how to clear the LISP IPv6 map-cache:

```
switch# clear ipv6 lisp map-cache
switch# show ipv6 lisp map-cache
LISP IPv6 Mapping Cache for VRF "default", 0 entries
```

This example shows how to display all LISP map-cache entries, and then clears the LISP map-cache for an IPv4 EID prefix:

```
switch# show ipv6 lisp map-cache
LISP IP Mapping Cache for VRF "default", 2 entries
153.16.1.0/24, uptime: 00:00:06, expires: 23:59:53, via map-reply, auth
  Locator         Uptime    State       Priority/  Data     Control
                                        Weight     in/out   in/out
  129.250.1.255   00:00:06  up          254/0      0/0      0/0
  129.250.26.242  00:00:06  up          1/100      0/0      0/0
```

```
153.16.12.0/24, uptime: 00:00:04, expires: 23:59:55, via map-reply, self
  Locator         Uptime    State       Priority/  Data     Control
                                        Weight     in/out   in/out
  128.223.156.23  00:00:04  up          1/100      0/0      0/0
switch# show ipv6 lisp map-cache
LISP IPv6 Mapping Cache for VRF "default", 1 entries
2610:d0:210f::/48, uptime: 00:00:58, expires: 23:59:01, via map-reply, auth
  Locator          Uptime    State       Priority/  Data     Control
                                         Weight     in/out   in/out
  85.184.2.10      00:00:58  up          0/100      0/0      0/0
  2001:6e0:4:2::2  00:00:58  up          0/100      0/0      0/0

switch# clear ipv6 lisp map-cache 2610:d0:210f::/48
switch# show ipv6 lisp map-cache
LISP IPv6 Mapping Cache for VRF "default", 0 entries
switch#
```

Related Commands

Command	Description
show ipv6 lisp map-cache	Displays current dynamic and static IPv6 EID-to-RLOC map-cache entries.

clear ipv6 lisp statistics

To clear the Locator/ID Separation Protocol (LISP) ingress tunnel router (ITR) and Egress Tunnel Router (ETR) IPv4 address-family packet count statistics, use the **clear ip lisp statistics** command.

clear ipv6 lisp statistics [**vrf vrf-name**]

Syntax Description

vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) with which to clear the LISP statistics.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
5.0(1.13)	This command was introduced.
5.0(3.lisp)	This command was modified.

Usage Guidelines

The clear ipv6 lisp statistics command clears all of the LISP Ingress Tunnel Router (ITR) and ETR IPv4 address-family packet count statistics. IPv4 address family packet count statistics are maintained for all LISP control plane packets. These packet counters are displayed using the show ipv6 lisp statistics command.

This command does not require a license.

Examples

This example shows how to clear the LISP Ingress Tunnel Router (ITR) and ETR IPv6 address-family packet count statistics:

```
switch# clear ipv6 lisp statistics
switch#
```

Related Commands

Command	Description
show ipv6 lisp statistics	Displays LISP IPv6 address-family statistics.

clear lisp dynamic-eid

To clear all dynamically learned dynamic endpoint identifiers (EIDs) that are associated with the configured dynamic-EID policy, use the clear lisp dynamic-eid command.

clear lisp dynamic-eid dynamic-eid-name

Syntax Description

dynamic-eid-name	LISP dynamic-EID policy name.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
5.0(1.13)	This command was introduced.

Usage Guidelines

The clear lisp dynamic-eid command clears all dynamically learned dynamic EIDs that are associated with the configured dynamic-EID policy.

This command does not require a license.

Examples

This example shows how to display all dynamically learned dynamic-EIDs associated with the configured dynamic-EID policy:

```
switch# show lisp dynamic-eid bc4 detail
LISP Dynamic EID Information for VRF "default"
Dynamic-EID name: bc4
  Database-mapping EID-prefix: 30.1.110.104/32, LSBs: 0x00000001
    Locator: 90.1.93.1, priority: 1, weight: 10, local
  Registering more-specific dynamic-EIDs
  Map-Server(s): 90.32.32.32
  Number of roaming dynamic-EIDs discovered: 1
  Last dynamic-EID discovered: 30.1.110.104, 00:08:06 ago
  Roaming dynamic-EIDs:
    30.1.110.104, Ethernet2/5, uptime: 00:08:06, last activity: 0.998355
```

This example shows how to remove all dynamically learned dynamic EIDs that are associated with the configured dynamic-EID policy:

```
switch# clear lisp dynamic-eid bc4
switch#
```

Related Commands

Command	Description
show lisp site	Displays LISP site information. This command is applicable only for the Map-Server.
lisp dynamic-eid	Configures a LISP dynamic-EID policy.
lisp site	Configures a LISP site and enters site configuration mode on a Map-Server.
lisp mobility	Configures an interface on an Ingress Tunnel Router (ITR) to support LISP VM-mobility (dynamic-EID roaming).

clear lisp proxy-itr

To clear the list of Proxy-ITR (PITR) locators that have been discovered through Map-Requests, use the **clear lisp proxy-itr** command.

clear lisp proxy-itr [locator] [**vrf vrf-name**]

Syntax Description

locator	(Optional) IPv4 or IPv6 locator address of the PITR to clear.
vrf vrf-name	(Optional) Specifies virtual routing and forwarding (VRF) with which to clear locator address of the PITR.

Command Default

None

Command Modes

Global configuration mode

Command History

Release	Modification
5.0(3.lisp-80)	This command was introduced.

Usage Guidelines

When an xTR receives a Map-Request from a PITR for an endpoint identifier to Routing Locator (EID-to-RLOC) mapping resolution, the locator address of the PITR is saved (separately from the map cache) by an xTR there is a need to send Solicit-Map-Requests (SMRs) to other LISP devices, including PITRs. The number of locators currently cached is eight (8).

The clear lisp proxy-itr command removes all of the PITR locators that have been discovered through Map-Requests. When the locator form is used, only this PITR locator entry is removed. When you enter the vrf keyword, all PITR locators that are associated with this VRF are removed

This command does not require a license.

Examples

This example shows how to clear the list of PITR locators that have been discovered through Map-Requests:

```
switch# clear lisp proxy-itr
```

Related Commands

Command	Description
show lisp proxy-tir	Displays a list of PITRs discovered through Map-Requests.

clear lisp site

To clear the registration data for the specified Locator/ID Separation Protocol (LISP) site, use the **clear lisp site** command.

clear lisp site site-name

Syntax Description

site-name	LISP site.

Command Default

None

Command Modes

Any command mode

Command History

Release	Modification
5.0(1.13)	This command was introduced.

Usage Guidelines

The clear lisp site command clears the registration data for the specified LISP site. This command can only be used on a LISP Map-Server.

Use the show lisp site command to display the registration status of LISP sites.

This command does not require a license.

Examples

This example shows how to clear the registration data for the specified LISP site:

```
switch# clear lisp site Customer-1
switch#
```

Related Commands

Command	Description
show lisp site	Displays LISP site information. This command is applicable only for the Map-Server.