high-availability

redundancy

To configure the high availability feature on a Cisco IOS XE Catalyst SD-WAN device, use the **redundancy** command in global configuration mode. To disable redundancy, use the **no** form of this command.

redundancy

no redundancy

Command Default

No redundancy is configured.

Command Modes

Global configuration (config)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.15.1a	This command was introduced.

Examples

The following example shows how to configure redundancy for high availability on a Cisco IOS XE Catalyst SD-WAN device:

```
Device(config)# redundancy
```

application redundancy

To enable and manage the redundancy features for applications on a Cisco IOS XE Catalyst SD-WAN device, use the **application redundancy** command in application redundancy configuration mode. To disable redundancy, use the **no** form of this command.

application redundancy

no application redundancy

Command Default

No redundancy is configured.

Command Modes

Application redundancy (config-red)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.15.1a	This command was introduced.

Usage Guidelines

If the application is using redundancy like NAT, you cannot use **no application redundancy** to disable redundancy. It fails with error, % An application configuration exists on group. Hence, you need to remove redundancy configuration from application side before using **no application redundancy** .

Examples

The following example enables the redundancy feature for applications, allowing you to configure high availability settings on a Cisco IOS XE Catalyst SD-WAN device:

```
Device(config-red)# application redundancy
```

preempt

To enable preempt (allowing the standby device to automatically take over as the active device) for a redundancy group, use the **preempt** command in redundancy application group configuration mode. To disable redundancy, use the **no** form of this command.

preempt

no preempt

Command Default

No redundancy is configured.

Command Modes

Redundancy application group (config-red-app-grp)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.15.1a	This command was introduced.

Examples

The following example enables preemption on the redundancy group, allowing the standby device to automatically take over as the active device if it has a higher priority within the redundancy group:

```
Device(config-red-app-grp)# preempt
```

init-role

To specify the initial role of a redundancy group , use the **init-role** command in the application redundancy group configuration mode. To disable redundancy, use the **no** form of this command.

init-role
active | **standby**

no init-role
active | **standby**

Syntax Description

active	Sets the device to start as the active device in the redundancy group.
standby	Sets the device to start as the standby device in the redundancy group.

Command Default

No redundancy is configured.

Command Modes

application redundancy group configuration (config-app-redundancy-group)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.15.1a	This command was introduced.

Examples

The following example shows how to set the initial role of the redundancy group to active, ensuring the device starts as the active device upon initialization:

```
Device(config-app-redundancy-group)# init-role active
```

Examples

The following example shows how to set the initial role of the redundancy group to standby, ensuring the device starts as the standby device upon initialization:

```
Device(config-app-redundancy-group)# init-role standby
```

path-optimization

To enable path optimization feature, use the **path-optimization** command in global configuration mode. To disable redundancy, use the **no** form of this command.

path-optimization

no path-optimization

Command Default No redundancy is configured.

Command Modes Global configuration (config)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.15.1a	This command was introduced.

Examples The following example shows how to enable the path optimization feature, allowing the device to dynamically adjust traffic paths for improved network performance:

```
Device(config)# path-optimization
```

redundancy rii

To assign a Redundancy Interface Identifier (RII) to a specific interface on a Cisco IOS XE Catalyst SD-WAN device, use the **redundancy rii** command in Interface configuration mode. To disable redundancy, use the **no** form of this command.

redundancy rii

no redundancy rii

Syntax Description

rii value	Specifies a unique identifier for an interface

Command Default No redundancy is configured.

Command Modes Interface configuration (config-if)

Command History

Release	Modification
Cisco IOS XE Catalyst SD-WAN Release 17.15.1a	This command was introduced.

Examples The following example shows the rii-value of 350 is assigned to the interface, uniquely identifying it within the redundancy group:

```
Device(config-if)# redundancy rii 350
```