



## high-availability

- [redundancy](#), on page 1
- [application redundancy](#), on page 2
- [preempt](#), on page 2
- [init-role](#), on page 3
- [path-optimization](#), on page 3
- [redundancy rii](#), on page 4

## 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)

---

<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	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.

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

<i>rii value</i>	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
```