



## Graceful Insertion and Removal

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- [maintenance-template](#), on page 2
- [router routing protocol shutdown I2](#), on page 3
- [start maintenance](#), on page 4
- [stop maintenance](#), on page 5
- [system mode maintenance](#), on page 6

# maintenance-template

To create a maintenance template, use the **maintenance-template** *template\_name* command in the global configuration mode. To delete the template, use the **no** form of the command.

**maintenance-template** *template\_name*

**no maintenance-template** *template\_name*

<b>Syntax Description</b>	<b>maintenance-template</b>	Creates a template for GIR with a specific name.
	<i>template_name</i>	Name of the maintenance template.
<b>Command Default</b>	Disabled.	
<b>Command Modes</b>	Global configuration (config)	
<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	Cisco IOS XE Everest 16.6.1	This command was introduced.

## Example:

The following example shows how to configure a maintenance template with the name g1:

```
Device(config)# maintenance template g1
```

## router routing protocol shutdown l2

To create instances that should be isolated within a maintenance template, use the **router** *routing\_protocol instance\_id* | **shutdown l2** command in the maintenance template configuration mode. To delete the instance, use the **no** form of the command.

```
{ router routing_protocol instance_id | shutdown l2 }
no { router routing_protocol instance_id | shutdown l2 }
```

Syntax Description	router	Configures instance associated with routing protocol.
	<i>routing_protocol</i>	Routing protocol defined for the template.
	<i>instance_id</i>	Instance ID associated with the routing protocol.
	<b>shutdown l2</b>	Configures instance to shut down layer 2 interfaces.
Command Default	Disabled.	
Command Modes	Maintenance template configuration (config-maintenance-temp)	
Command History	Release	Modification
	Cisco IOS XE Everest 16.6.1	This command was introduced.

### Example:

The following example shows how to create an instance for ISIS with an instance ID of one under maintenance template temp1:

```
Device(config)# maintenance template g1
Device(config-maintenance-temp1)# router isis 1
```

The following example shows how to create an instance for shutting down layer 2 interfaces under maintenance template g1:

```
Device(config)# maintenance template g1
Device(config-maintenance-temp1)# shutdown l2
```

# start maintenance

To put the system into maintenance mode, use the **start maintenance** command in the privileged EXEC mode.

**start maintenance**

<b>Syntax Description</b>	<b>start maintenance</b>	Puts the system into maintenance mode.
<b>Command Default</b>	Disabled.	
<b>Command Modes</b>	Privileged EXEC	
<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	Cisco IOS XE Everest 16.6.1	This command was introduced.

## Example:

The following example shows how to start maintenance mode:

```
Device# start maintenance
```

# stop maintenance

To put the system out of maintenance mode, use the **stop maintenance** command in the privileged EXEC mode.

## **stop maintenance**

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**Command Default**

Disabled.

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**Command Modes**

Privileged EXEC

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**Command History**

<b>Release</b>	<b>Modification</b>
Cisco IOS XE Everest 16.6.1	This command was introduced.

### **Example:**

The following example shows how to stop maintenance mode:

```
Device# stop maintenance
```

# system mode maintenance

To enter the system mode maintenance configuration mode, use the **system mode maintenance** command in the global configuration mode.

**system mode maintenance**

<b>Syntax Description</b>	<b>system mode maintenance</b>	Enters the maintenance configuration mode.
<b>Command Default</b>	Disabled.	
<b>Command Modes</b>	Global configuration (config)	
<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	Cisco IOS XE Everest 16.6.1	This command was introduced.

## Example:

The following example shows how to enter the maintenance configuration mode:

```
Device(config)# system mode maintenance
Device(config-maintenance)#
```