# Configuring OSPFv3 Demand Circuit Ignore


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## Information About Demand Circuit Ignore Support

Demand Circuit Ignore Support enables you to prevent an interface from accepting demand-circuit requests from other devices by specifying the ignore keyword in the **ipv6 ospf demand-circuit** command. Demand circuit ignore instructs the router not to accept Demand Circuit (DC) negotiation and is a useful configuration option on the point-to-multipoint interface of the Hub router.

## Configuring Demand Circuit Ignore Support for OSPFv3

### Procedure

| | Command or Action | Purpose |
|---|---|---|
| **Step 1** | **enable**<br>**Example:**<br>`Device> enable` | Enables privileged EXEC mode.<br>• Enter your password if prompted. |
| **Step 2** | **configure terminal**<br>**Example:**<br>`Device# configure terminal` | Enters global configuration mode. |
| **Step 3** | **interface** *type number*<br>**Example:** | Configures an interface type and number and enters interface configuration mode. |

| | Command or Action | Purpose |
|---|---|---|
| | `Device(config)# interface GigabitEthernet 0/1/0` | |
| **Step 4** | Enter one of the following commands:<br>• **ipv6 ospf demand-circuit ignore**<br>• **ospfv3 demand-circuit ignore**<br>**Example:**<br>`Device(config-if)# ipv6 ospf demand-circuit ignore`<br>**Example:**<br>`Device(config-if)# ospfv3 demand-circuit ignore` | Prevents an interface from accepting demand-circuit requests from other devices. |
| **Step 5** | **end**<br>**Example:**<br>`Device(config-if)# end` | Returns to privileged EXEC mode. |
| **Step 6** | **show ospfv3** *process-id* [*area-id*] [*address-family*] **[vrf** {*vrf-name* ***** }] **interface** [*type number*] [**brief**]<br>**Example:**<br>`Device# show ospfv3 interface GigabitEthernet 0/1/0` | (Optional) Displays OSPFv3-related interface information. |

# Example: Demand Circuit Ignore Support for OSPFv3

The following example shows how to configure demand circuit ignore support for OSPFv3:

```
Device#interface Serial0/0
 ip address 6.1.1.1 255.255.255.0
 ipv6 enable
 ospfv3 network point-to-multipoint
 ospfv3 demand-circuit ignore
 ospfv3 1 ipv6 area 0
```

# Additional References for OSPFv3 Demand Circuit Ignore

The following sections provide references related to the OSPFv3 Demand Circuit Ignore feature.

### Related Documents

| Related Topic | Document Title |
|---|---|
| OSPF configuration tasks | "Configuring OSPF" |
| OSPF commands | *Cisco IOS IP Routing: OSPF Command Reference* |

### Technical Assistance

| Description | Link |
|---|---|
| The Cisco Support and Documentation website provides online resources to download documentation, software, and tools. Use these resources to install and configure the software and to troubleshoot and resolve technical issues with Cisco products and technologies. Access to most tools on the Cisco Support and Documentation website requires a Cisco.com user ID and password. | http://www.cisco.com/cisco/web/support/index.html |

# Feature History for OSPFv3 Demand Circuit Ignore

This table provides release and related information for the features explained in this module.

These features are available in all the releases subsequent to the one they were introduced in, unless noted otherwise.

| Release | Feature | Feature Information |
|---|---|---|
| Cisco IOS XE Fuji 16.8.1a | OSPFv3 Demand Circuit Ignore | Demand Circuit Ignore Support enables you to prevent an interface from accepting demand-circuit requests from other devices by specifying the **ignore** keyword in the **ipv6 ospf demand-circuit** command.<br>Support for this feature was introduced on the C9500-12Q, C9500-16X, C9500-24Q, C9500-40X, C9500-32C, C9500-32QC, C9500-48Y4C, and C9500-24Y4C models of the Cisco Catalyst 9500 Series Switches. |
| Cisco IOS XE Cupertino 17.7.1 | OSPFv3 Demand Circuit Ignore | This feature was implemented on the C9500X-28C8D model. |
| Cisco IOS XE Dublin 17.10.1b | OSPFv3 Demand Circuit Ignore | This feature was implemented on the C9500X-60L4D model. |

Use the Cisco Feature Navigator to find information about platform and software image support. To access Cisco Feature Navigator, go to https://cfnng.cisco.com/.