



Global Video Configuration

You can perform some global configurations for provisioning the video services. These configurations have some default values. If you do not choose to change those values, the default values are used. The following sections describe the procedures for global configurations.

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Configuring the Default ONID

By default, the system ONID is 0, which is commonly used in North America. If the default value of the ONID is used, the TSID must be unique. You can change the default ONID. If you change the ONID, the TSID-ONID pair must be unique. The ONID must be in the range of 0 to 65535.

```
configure terminal
cable video
default-onid default onid number
```

Configuring the Default PSI interval

By default, the Program Specific Information (PSI) interval is 100 msec. You can change the default PSI interval. The PSI interval must be in the range of 40 to 1000.

```
configure terminal
cable video
default-psi-interval default-psi-interval msec
```

Configuring Video Session Timeouts

The default video session init timeout is 1000 msec, the idle session timeout is 250 msec, and the off session timeout is 60 seconds. You can change these default values. The following are the permissible ranges for the timeouts:

- Init session timeout—100 to 60000
- Idle session timeout —100 to 5000
- Off session timeout —1 to 1800

```
configure terminal
cable video
timeout init-session timeout msec
timeout idle-session timeout msec
timeout off-session timeout sec
```

Configure Video Interface IP

The Cisco cBR-8 can automatically configure IP addresses of line card video interfaces. The Cisco cBR-8 uses IP addresses from a pool of IP addresses that you provide.

Use the **routing-interface-ip** command to set the video interface IP address for each CLC in the Cisco cBR-8. If the subnet size is 2, the Cisco cBR-8 sets the video interface IP address starting at Slot 0 to the IP address you provide. For subnet sizes greater than 2, the Cisco cBR-8 adds 1 to the IP address you provide and sets it as the video interface IP address. Do not use subnet 255.255.255.255. The Cisco cBR-8 sets the IP address of each subsequent video interface by incrementing IP address by the subnet size.

For example, executing the command **routing-interface-ip 192.0.2.0 255.255.255.252 secondary 198.51.100.0 255.255.255.252**, configures the video interfaces as follows:

Video Interface	Primary IP Address	Secondary IP Address	Subnet Mask	Subnet Size
Video 0/0/0	192.0.2.1	198.51.100.1	255.255.255.252	4
Video 0/0/1	192.0.2.5	198.51.100.5	255.255.255.252	4
Video 1/0/0	192.0.2.9	198.51.100.9	255.255.255.252	4
Video 1/0/1	192.0.2.13	198.51.100.13	255.255.255.252	4
Video 2/0/0	192.0.2.17	198.51.100.17	255.255.255.252	4
Video 2/0/1	192.0.2.21	198.51.100.21	255.255.255.252	4
Video 3/0/0	192.0.2.25	198.51.100.25	255.255.255.252	4
Video 6/0/0	192.0.2.33	198.51.100.33	255.255.255.252	4
Video 7/0/0	192.0.2.41	198.51.100.41	255.255.255.252	4
Video 7/0/1	192.0.2.45	198.51.100.45	255.255.255.252	4

Video 8/0/0	192.0.2.49	198.51.100.49	255.255.255.252	4
Video 8/0/1	192.0.2.53	198.51.100.53	255.255.255.252	4
Video 9/0/0	192.0.2.57	198.51.100.57	255.255.255.252	4
Video 9/0/1	192.0.2.61	198.51.100.61	255.255.255.252	4

**Note**

- Video interface IP configuration is optional. By default, the Cisco cBR-8 uses 10.100.x.x subnets for primary IP addresses and 10.101.x.x subnets for secondary IP addresses of video interfaces. Use the **routing-interface-ip** command only when the default configuration conflicts with the existing network.
- Configure the video interface IP before configuring any other video-specific configurations like logical edge device and virtual service group configurations.

Configure Virtual Routing and Forwarding

From Cisco IOS XE Amsterdam 17.3.1x, you can configure user-specific VRF to line card video interfaces. This configuration is to support video interfaces to participate in NX-GEN VPN.

Use the **routing-interface-vrf** command to configure user-specific VRF to line card video interfaces.

```
configure terminal
cable video
routing-interface-vrf slot slot vrf-name vrf-name
```

**Note**

- Virtual routing and forwarding configuration is optional. This configuration is not required in non-VPN deployments. By default the Cisco cBR-8 places all video interfaces in the VRF Mgmt-MPEG-video-intf.
- Configure VRF separately for each line card.
- Configure virtual routing and forwarding before configuring any other video-specific configurations like logical edge device and virtual service group configurations.

Configuration Examples

This section provides examples for the global video configuration.

Example: Global Video Configuration

```
configure terminal
cable video
default-onid 10
```

```
default- psi-interval 50
timeout init-session 200 msec
timeout idle-session 250 msec
timeout off-session 500 sec
```

Feature Information for Global Video Configuration



Note The following table lists the software release in which a given feature is introduced. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Table 1: Feature Information for Global Video Configuration

Feature Name	Releases	Feature Information
Global Video Configuration	Cisco IOS XE Everest 16.6.1	This feature was integrated on the Cisco cBR Series Converged Broadband Routers.