



H.248 Configurable VRF

In the previous release, only the default VRF could be used for setting up an H.248 association. The DBE now allows using other VRF names. This enhancement enables the DBE to use VRF names for configuring the control addresses and remote addresses.

Feature History for H.248 Configurable VRF

Release	Modification
Release 3.5.1	This feature was introduced on the Cisco XR 12000 Series Router.
Release 3.6.0	No modification.

Contents

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Information About H.248 Configurable VRF

The DBE communicates with the Media Gateway Controller (MGC) over the H.248 protocol. In the past, this MGC had to belong to the global IP address space. The new feature allows you to use the MGC controller signaling address with specific VRF names instead of the default VRF name, and, thereby, enables the MGC controller address to use the VPN functionality.

How to Configure H.248 VRF

This section contains the steps for configuring H.248 configurable VRF.

Configuring H.248 Configurable VRF

SUMMARY STEPS

1. **configure**
2. **sbc** *service-name*
3. **dbe**
4. **vdbe** [**global**]
5. **control-address h248 ipv4** *ipv4_address*
6. **controller h248** *controller-index* [**vrf** *vrf_name*]
7. **remote-address ipv4** *ipv4_address*
8. **commit**
9. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	configure Example: RP/0/0/CPU0:router# configure	Enables the global configuration mode.
Step 2	sbc <i>service-name</i> Example: RP/0/0/CPU0:router(config)# sbc mysbc	Enters the mode of an SBC service. Use the <i>service-name</i> argument to define the name of the SBC.
Step 3	dbe Example: RP/0/0/CPU0:router(config-sbc)# dbe	Enters the mode of the data border element (DBE) function of the SBC.
Step 4	vdbe [global] Example: RP/0/0/CPU0:router(config-sbc-dbe)# vdbe	Enters the mode for configuring virtual DBE (vDBE) parameters.
Step 5	control-address h248 ipv4 <i>ipv4_address</i> Example: RP/0/0/CPU0:router(config-sbc-dbe-vdbe)# control-address h248 ipv4 10.2.0.10	Configures the control address for vDBE with a specific VRF name. The no version of this command cancels this configuration option. <ul style="list-style-type: none">• <i>ipv4_address</i>—IPv4 address assigned to this H.248 association.

	Command or Action	Purpose
Step 6	<p>controller h248 <i>controller-index</i> [vrf <i>vrf_name</i>]</p> <p>Example: RP/0/0/CPU0:router(config-sbc-dbe-vdbe)# controller h248 1 vrf vrf1</p>	<p>Configures the index and VRF name for the vDBE H.248 controller.</p> <p>The no version of this command cancels this configuration option.</p> <ul style="list-style-type: none"> • controller-index—Index of the media controller. Values are 1-4294967295. This value is mandatory. There is no default. • vrf_name—Name of the specific virtual private network chosen for the remote address for vDBE H.248 controller.
Step 7	<p>remote-address ipv4 <i>ipv4_address</i></p> <p>Example: RP/0/0/CPU0:router(config-sbc-dbe-h248)# remote-address ipv4 34.34.34.34</p>	<p>Configures the remote address for vDBE H.248 controller.</p> <ul style="list-style-type: none"> • ipv4_address—IPv4 address assigned to this H.248 association.
Step 8	<p>commit</p> <p>Example: RP/0/0/CPU0:router(config-sbc-dbe-h248)# commit</p>	<p>Saves configuration changes. Use the commit command to save the configuration changes to the running configuration file and remain within the configuration session.</p>
Step 9	<p>exit</p> <p>Example: RP/0/0/CPU0:router(config-sbc-dbe-h248)# exit</p>	<p>Exits the current mode of the configuration.</p>

Configuring H.248 VRF: Example

The following example shows how to configure H.248 VRF:

```

config
sbc siptest
dbe
vdbe
control-address h248 ipv4 10.2.0.10
controller h248 1
vrf vrf1
remote-address ipv4 34.34.34.34

```

Additional References

The following sections provide references related to configuring H.248 VRF.

Related Documents

Related Topic	Document Title
Cisco IOS XR master command reference	Cisco IOS XR Master Commands List
Cisco IOS XR SBC interface configuration commands	<i>Cisco IOS XR Session Border Controller Command Reference</i>
Initial system bootup and configuration information for a router using the Cisco IOS XR Software	<i>Cisco IOS XR Getting Started Guide</i>
Cisco IOS XR command modes	<i>Cisco IOS XR Command Mode Reference</i>

Standards

Standards	Title
No new or modified standards are supported by this feature, and support from existing standards has not been modified by this feature.	—

MIBs

MIBs	MIBs Link
—	To locate and download MIBs using Cisco IOS XR software, use the Cisco MIB Locator found at the following URL and choose a platform under the Cisco Access Products menu: http://cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

Technical Assistance

Description	Link
The Cisco Technical Support website contains thousands of pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	http://www.cisco.com/techsupport