Provisioned Inactivity Timer

The Data Border Element (DBE) now has its own provisioned inactivity timer that alerts the DBE when the media gateway controller (MGC) fails, thereby improving high availability.

History of Support for Provisioned Inactivity Timer

Release	Modification
Release 3.5.0	This command was first introduced on the Cisco CRS-1.
Release 3.6.0	No modification.

Contents

This module contains the following sections:

Information About the Provisioned Inactivity Timer

The DBE inactivity timer starts (resets) after the media gateway (MG) receives a successful response from the MGC to an initial request for *ServiceChange (subsequent transaction).* When an inactivity timer event occurs, the timer reports it to the MGC, using a NOTIFY event with a request ID of 0.

If required, you can override the default value of the provisioned inactivity timer on the DBE, and provision the MGC through the CLI, as before, to subscribe to the inactivity timer with a different duration. However, after cancellation of the MGC subscription, or if the association fails, the subscribed value is automatically deleted and the DBE-provisioned inactivity timer value again becomes active.

Configuring the Provisioned Inactivity Timer

The new command defines the duration of the provisioned inactivity timer.

SUMMARY STEPS

1. **configure**
2. **sbc** *service-name*
3. **dbe**
4. **vdbe**
5. **h248-inactivity-duration** *duration*
6. **commit**
7. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	**configure** **Example:** `P/0/RP0/CPU0:router# configure`	Enters configuration mode.
Step 2	**sbc** *service-name* **Example:** `RP/0/RP0/CPU0:router(config)#sbc mysbc`	Activates configuration mode for a particular SBC instance. Use the *service-name* argument to define the name of the service you want to configure.
Step 3	**dbe** **Example:** `RP/0/RP0/CPU0:router(config-sbc)# dbe`	Enters the submode of the data border element (DBE) function.
Step 4	**vdbe** **Example:** `RP/0/RP0/CPU0:router(config-sbc-dbe)# vdbe`	Enters the DBE submode of vdbe, in which to configure the inactivity timer.
Step 5	**h248-inactivity-duration** *duration* **Example:** `RP/0/RP0/CPU0:router(config-sbc-dbe-vdbe)# h248-inactivity-duration 3000`	Sets the time, during which the MGC can be inactive before an event is launched. • The *duration* argument defines this time in milliseconds in multiples of 10. The default is zero. The range is 0-655,350. In the example to the left, the command configures the vDBE to use a default timer duration of 30 s (set as 3000).

	Command or Action	Purpose
Step 6	**commit** **Example:** `RP/0/RP0/CPU0:router(config-sbc-dbe-vdbe-h248-inactivity-duration))# commit`	Saves configuration changes. Use the **commit** command to save the configuration changes to the running configuration file and remain within the configuration session.
Step 7	**exit** **Example:** `RP/0/RP0/CPU0:router(config-sbc-dbe-vdbe-h248-inactivity-duration)# exit`	Exits the current mode of the configuration.

Additional References

The following sections provide references related to provisioned inactivity timer.

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	*Cisco IOS XR Session Border Controller Command Reference*
Initial system bootup and configuration information for a router using the Cisco IOS XR Software	*Cisco IOS XR Getting Started Guide*
Cisco IOS XR command modes	*Cisco IOS XR Command Mode Reference*

Standards

Standards	Title
H.248.14	*Inactivity Timer Package*

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