



IPv4/IPv6 Voice Clipping Avoidance

In a distributed model, when RTP packets are sent immediately after a 200 OK response, voice clipping can occur because of a delayed response from the MGC or SIP server. The IPv4/IPv6 voice clipping avoidance feature prevents the media flow from being dropped or clipped.

Feature History for IPv4/IPv6 Voice Clipping Avoidance

Release	Modification
Release 3.5.1	This feature was introduced on Cisco CRS-1 and Cisco XR 12000 Series Router.
Release 3.6.0	No modification.

Contents

This module contains the following sections:

- [Restrictions for IPv4/IPv6 Voice Clipping Avoidance, page SBC-455](#)
- [Information About IPv4/IPv6 Voice Clipping Avoidance, page SBC-455](#)
- [Additional References, page SBC-456](#)

Restrictions for IPv4/IPv6 Voice Clipping Avoidance

The following restrictions and limitations apply to IPv6 Voice Clipping Avoidance Support:

- The local address of the designated latching side in the media flow cannot be shared by other flows.
- Since the latching of an early media no-NAPT flow is a non-local address flow with no RSAM, it must be hashed without a remote mask.

Information About IPv4/IPv6 Voice Clipping Avoidance

To accomplish the IPv6 Voice Clipping Avoidance Support, the Media Packet Forwarder (MPF) performs latching on the designated latching side (which initially has an unknown remote address) to the first packet that arrives with the assigned local address. The MPF, then, transmits packets that arrive on assigned local address from the latched remote IP or port.

Additional References

The following sections provide references related to IPv4/IPv6 Voice Clipping Avoidance on the SBC.

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

