



IP Video Telephony

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Note IP video telephony was not tested in CSR 12.0.

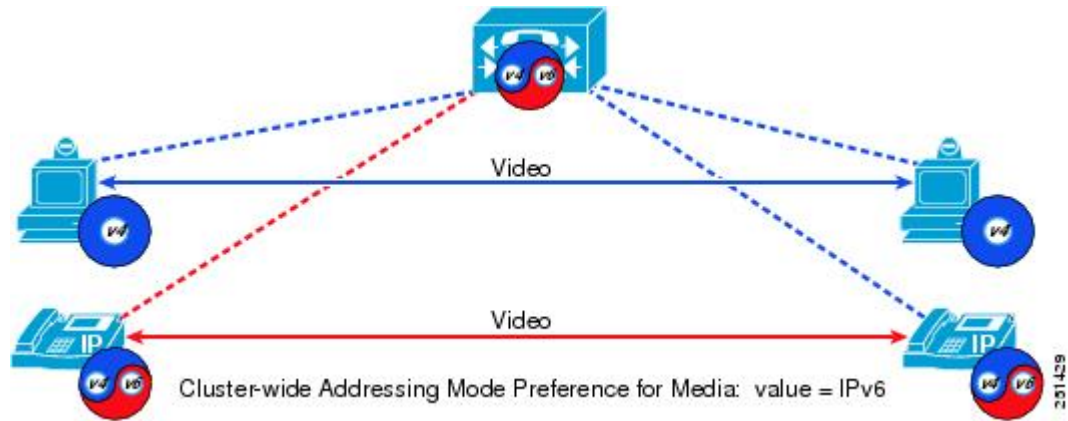
IPv6 transition will follow Cisco Preferred Architecture deployment recommendations of IPv4. Cisco Unified Communications Manager (Unified CM) is the call control server for the [Cisco Preferred Architecture for Enterprise Collaboration](#) deployment. Cisco IP Phones, Cisco Jabber clients, and Cisco TelePresence video endpoints use SIP to register directly to Unified CM. The Unified CM cluster's failover mechanism provides endpoint registration redundancy. If a WAN failure occurs and endpoints at remote locations cannot register to Unified CM, they use SRST functionality for local and PSTN calls, but some services such as voicemail and presence might not be available.

Although we have not tested these, the Cisco DX Series, and Cisco TelePresence MX, SX, and IX5000 Series products that are specified in the Preferred architecture document are available to you for lab testing in IPv6-only mode. The major gap in testing is support of DHCP IPv6. You will need to configure all the products manually with IPv6 addresses. This solution testing is limited to on-premise devices without MRA support. Cisco Expressway does not support IPv6. Various video conference solutions including Cisco TelePresence Management Suite are out of scope for lab testing and remain in IPv4 addressing mode.



Note In CSR 12.0, IP video telephony was not solution tested for IP Phones, TelePresence endpoints, and conferencing components and is not supported. You can work with your Cisco account team for lab testing guidelines at your location.

Figure 1: Addressing Modes for Voice and Video Media Streams



Video calls can be made across ANAT-enabled dual-stack SIP trunks that are configured to use Delayed Offer. Usually, both the voice and video streams for these calls use IPv4.