



Cisco IOS IPv6 Features in Cisco IOS Release 12.2(33)XNE

This document provides a list of Cisco IOS IPv6 features that have migrated from Cisco IOS Release 12.2(33)SB to Cisco IOS Release 12.2(33)XNE. Links to the feature documentation are included.

Feature guides may contain information about more than one feature. To find information about a specific feature within a feature guide, see the Feature Information table at the end of the guide.

Feature guides document features that are supported on many different software releases and platforms. Your Cisco IOS software release or platform may not support all the features documented in a feature guide. See the Feature Information table at the end of the feature guide for information about which features in that guide are supported in your software release. Use Cisco Feature Navigator to find information about platform support and Cisco IOS and Catalyst OS software image support. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required.

For the latest feature information and caveats, see the release notes for your platform and software release at the following URL:http://www.cisco.com/en/US/docs/ios/12_2sb/release/notes/12.2XN.html.

See the following sections for a list of features:

- [Software Features in Cisco IOS Release 12.2\(33\)XNE, page 1](#)

Software Features in Cisco IOS Release 12.2(33)XNE

CEFv6 Switching for 6to4 Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

CEFv6/dCEFv6 - Cisco Express Forwarding

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

DHCP - DHCPv6 Relay Agent notification for Prefix Delegation

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-dhcp.html>



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

DHCPv6 - Relay - Reload persistent Interface ID option

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-dhcp.html>

DHCPv6 Ethernet Remote ID option

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-dhcp.html>

HSRP for IPv6

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-fhrp.html>

IPv6 Access Services: DHCPv6 Prefix Delegation

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-dhcp.html>

IPv6 ACL Extensions for Mobile IPv6

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mobile.html>

IPv6: Anycast Address

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Bidirectional PIM

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 - CNS Agents

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 - Config Logger

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 Data Link: VLANs using Cisco Inter-Switch Link (ISL)

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Data Link: VLANs using IEEE 802.1Q Encapsulation

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Default Router Preferences

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Hardware: PxF Accelerated for IPv6 Forwarding

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-roadmap.html>

Pv6 - HTTP(S)

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 : ICMPv6

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6: ICMPv6 Redirect

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 (Internet Protocol Version 6)

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-roadmap.html>

IPv6 - IP SLAs (UDP Jitter, UDP Echo, ICMP Echo, TCP Connect)

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 MTU Path Discovery

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Multicast

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Address Family Support for Multiprotocol BGP

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Bootstrap Router (BSR)

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Explicit Tracking of Receivers

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: MLD Access Group

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Multicast Listener Discovery (MLD) Protocol, Versions 1 and 2

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: PIM Accept Register

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: PIM Embedded RP Support

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: PIM Source-Specific Multicast (PIM-SSM)

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: PIM Sparse Mode (PIM-SM)

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Routable Address Hello Option

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: RPF Flooding of Bootstrap Router (BSR) Packets

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Scope Boundaries

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Multicast: Static Multicast Routing (mroute) for IPv6

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Neighbor Discovery

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6: Neighbor Discovery Duplicate Address Detection

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 - Netconf

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 Policy-Based Routing

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-pol-bsd_rtnng.html

IPv6 Routing - EIGRP Support

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-eigrp.html>

IPv6 Routing: IS-IS Multitopology Support for IPv6

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-is-is.html>

IPv6 Routing: IS-IS Support for IPv6

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-is-is.html>

IPv6 Routing: Multiprotocol BGP Extensions for IPv6

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mptcl_bgp.html

IPv6 Routing: Multiprotocol BGP Link-Local Address Peering

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mptcl_bgp.html

IPv6 Routing: OSPF for IPv6 (OSPFv3)

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-ospf.html>

IPv6 Routing: RIP for IPv6 (RIPng)

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-rip.html>

IPv6 Routing: Route Distribution

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-is-is.html>

IPv6 Routing: Static Routing

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-stat_routes.html

IPv6 Security: Secure Shell SSH support over IPv6

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 Services: AAAA DNS Lookups for an IPv4 Transport

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Services: Cisco Discovery Protocol (CDP) - IPv6 Address Family Support for Neighbor Information

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Services: DNS Lookups over an IPv6 Transport

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Services: Extended Access Control Lists

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-sec_trfltr_fw.html

IPv6 Services: Standard Access Control Lists

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-sec_trfltr_fw.html

IPv6 Source Specific Multicast (SSM) Mapping

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-multicast.html>

IPv6 Stateless Auto-configuration

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Static Cache Entry for Neighbor Discovery

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 - SOAP

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 Switching: CEF/dCEF Support

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

IPv6 Switching: CEFv6 Switched Automatic IPv4-compatible Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Switching: CEFv6 Switched Configured IPv6 over IPv4 Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Switching: CEFv6 Switched ISATAP Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Switching: Provider Edge Router over MPLS (6PE)

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-over_mpls.html

IPv6 - TCL

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

IPv6 Tunneling: Automatic 6to4 Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Tunneling: Automatic IPv4-compatible Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Tunneling: IPv6 over IPv4 GRE Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Tunneling: ISATAP Tunnel Support

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

IPv6 Tunneling: Manually Configured IPv6 over IPv4 Tunnels

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-tunnel.html>

OSPFv3 Fast Convergence - LSA and SPF throttling

<http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-ospf.html>

SNMP over IPv6

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-mng_apps.html

Syslog over IPv6

http://www.cisco.com/en/US/docs/ios/ipv6/configuration/guide/ip6-addrg_bsc_con.html

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