



Introduction

This document describes the commands used to install and configure Cisco IOS software modularity.

For information about the installation and configuration of Cisco IOS Software Modularity software, see the “Installing and Configuring Cisco IOS Software Modularity” module.

[Table 1](#) shows features or Cisco IOS command-line interface (CLI) commands that are not supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(33)SXH.

Table 1 *Commands and Features Not Supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(33)SXH*

Command or Feature	Comment
Border Gateway Protocol (BGP) nonstop forwarding (NSF) feature without the BGP graceful restart capability enabled.	If you are using the BGP NSF feature, you must enable the BGP graceful restart capability using the bgp graceful-restart command on all neighboring routers and switches.
debug ip tcp transactions	—
Frame-Relay local switching	No Frame Relay local switching support.
ip tcp	The async-mobility , chunk-size , queuemax , and selective-ack keywords of the ip tcp command are not applicable to Software Modularity because the software uses techniques such as the use of larger send and receive buffer sizes and modifying the queue size where required to improve performance.
IP Version 6 (IPv6) NSF	IPv6 protocols do not support NSF.
Novell Internet Packet Exchange (IPX)-NetWare Link Services Protocol (NLSP)	No IPX-NLSP support.
Routing for Resource Reservation (RRR) feature	No RRR CLI commands are supported.
scripting tcl	—
Some DECnet keywords	No support for the advertise and conversion keywords.
Some IP Multicast commands	No support for the ip multicast rpf backoff and ip multicast rpf interval commands due to Reverse Path Forwarding (RPF) changes.
tcp debug	—

Table 1 *Commands and Features Not Supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(33)SXH (continued)*

Command or Feature	Comment
test platform debugger	—
vrf selection	—
XRemote	No support for the debug xremote and xremote commands.

Table 2 shows features or Cisco IOS CLI commands that are not supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(18)SXF6, 12.2(18)SXF7 and 12.2(18)SXF8.

Table 2 *Commands and Features Not Supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(18)SXF6, 12.2(18)SXF7, and 12.2(18)SXF8*

Command or Feature	Comment
BGP NSF feature without the BGP graceful restart capability enabled.	If you are using the BGP NSF feature, you must enable the BGP graceful restart capability using the bgp graceful-restart command on all neighboring routers and switches.
debug ip tcp transactions	—
Frame-Relay local switching	No Frame Relay local switching support.
IP SLA features	No IP SLA support.
ip tcp	The async-mobility , chunk-size , queuemax , and selective-ack keywords of the ip tcp command are not applicable to Software Modularity because the software uses techniques such as the use of larger send and receive buffer sizes and modifying the queue size where required to improve performance.
IP Version 6 (IPv6)	No IPv6 support.
IPX-NLSP	No IPX-NLSP support.
Multiprotocol Label Switching Protocol (MPLS)	No MPLS support.
RRR feature	No RRR CLI commands are supported.
scripting tcl	—
Some DECnet keywords	No support for the advertise and conversion keywords.
Some IP Multicast commands	No support for the ip multicast rpf backoff and ip multicast rpf interval commands due to RPF changes.
tcp debug	—
test platform debugger	—
vrf selection	—
XRemote	No support for the debug xremote and xremote commands.

Table 3 shows features or Cisco IOS CLI commands that are not supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(18)SXF5.

Table 3 *Commands and Features Not Supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(18)SXF5*

Command or Feature	Comment
BGP NSF feature without the BGP graceful restart capability enabled.	If you are using the BGP NSF feature, you must enable the BGP graceful restart capability using the bgp graceful-restart command on all neighboring routers and switches.
debug ip tcp transactions	—
Frame-Relay local switching	No Frame Relay local switching support.
IP SLA features	No IP SLA support.
ip tcp	The async-mobility , chunk-size , queuemax , and selective-ack keywords of the ip tcp command are not applicable to Software Modularity because the software uses techniques such as the use of larger send and receive buffer sizes and modifying the queue size where required to improve performance.
IP Version 6 (IPv6)	No IPv6 support.
IPX-NLSP	No IPX-NLSP support.
MPLS	No MPLS support.
RRR feature	No RRR CLI commands are supported.
scripting tcl	—
Some DECnet keywords	No support for the advertise and conversion keywords.
Some IP Multicast commands	No support for the ip multicast rpf backoff and ip multicast rpf interval commands due to RPF changes.
tcp debug	—
test platform debugger	—
vrf selection	—
XRemote	No support for the debug xremote and xremote commands.

Table 4 shows features or Cisco IOS CLI commands that are not supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(18)SXF4.

Table 4 *Commands and Features Not Supported by Cisco IOS Software Modularity in Cisco IOS Release 12.2(18)SXF4*

Command or Feature	Comment
BGP NSF feature without the BGP graceful restart capability enabled.	If you are using the BGP NSF feature, you must enable the BGP graceful restart capability using the bgp graceful-restart command on all neighboring routers and switches.
debug ip tcp transactions	—
Frame-Relay Local Switching	No Frame Relay local switching support.
Interior Gateway Routing Protocol (IGRP)	No IGRP support; upgrade path is Enhanced Interior Gateway Routing Protocol (EIGRP).
IPsec	No IPsec support.
IP SLA features	No IP SLA support.
ip tcp	The async-mobility , chunk-size , queuemax , and selective-ack keywords of the ip tcp command are not applicable to Software Modularity because the software uses techniques such as the use of larger send and receive buffer sizes and modifying the queue size where required to improve performance.
IP Version 6 (IPv6)	No IPv6 support.
IPX-NLSP	No IPX-NLSP support.
Multiprotocol Label Switching Protocol (MPLS)	No MPLS support.
RRR feature	No RRR CLI commands are supported.
scripting tcl	—
Some DECnet keywords	No support for the advertise and conversion keywords.
Some IP Multicast commands	No support for the ip multicast rpf backoff and ip multicast rpf interval commands due to RPF changes.
tcp debug	—
test platform debugger	—
vrf selection	—
XRemote	No support for the debug xremote and xremote commands.