

Summary of BSCN Router Commands

NOTE

This document is an addendum to Appendix D, “Summary of BSCN Router Commands,” in the *Building Scalable Cisco Networks* book from Cisco Press. This material supplements the online chapter, “Configuring IS-IS Protocol,” which has been made available to you on the Cisco Press website in accordance with the latest Building Scalable Cisco Internetworks (BSCI) objectives.

Table D-9 covers IS-IS IP configuration commands.

Table D-9 *IP Configuration Commands*

Command	Meaning
router isis	Defines Integrated IS-IS as an IP routing protocol and enters configuration mode for that protocol.
net	Assigns a NET to the router to identify it for IS-IS.
ip router isis	Enables interfaces that are to use IS-IS to distribute their IP information.
is-type	Defines which IS-IS level (level-1 level-1-2 level-2-only) a router will operate as.
isis priority	Changes the IS-IS router priority on the interface to influence the DR election.
isis circuit-type	Defines which level of IS-IS adjacency (level-1 level-1-2 level-2-only) will be established over an interface.
isis metric	Defines the IS-IS metric to be used on an interface. The default is 10.

Table D-10 covers CLNS configuration commands.

Table D-10 *CLNS Configuration Commands*

Command	Meaning
clns routing	Enables routing of CLNS packets
clns host	Defines a static host name to CLNS address mapping

Table D-11 covers general IS-IS and CLNS commands.

Table D-11 *General IS-IS and CLNS Commands*

Command	Meaning
show clns route	Displays all the CLNS destinations to which this router knows how to route packets.
show isis topology	Displays a list of the paths to all connected IS-IS routers.
show isis route	Displays the IS-IS Level 1 forwarding table for IS-IS-learned routes.
which-route	Displays which next-hop IS-IS router will be used to get to a destination.
show clns neighbors	Displays the neighbor ISs—that is, the routers with which this router has IS-IS adjacencies. ES neighbors, if there are any, are also displayed.
show clns	Displays general information about the CLNS network.
show clns protocol	Displays information for the specific IS-IS processes in the router.
show clns interface	Displays CLNS-specific information about interfaces running IS-IS.
show clns is-neighbors	Displays IS-IS-related information for IS-IS router adjacencies.
show isis database	Displays the contents of the IS-IS link-state database.
clear isis	Forces IS-IS to refresh its link-state database and recalculate all routes.
show isis spf-log	Displays how often and why the router has run a full SPF calculation.
debug isis adj-packets	Displays IS-IS adjacency-related packets.
debug isis update-packets	Displays IS-IS update-related packets.