

Chapter 6

Summary of Applications Configuration Statements

The following sections explain each of the applications configuration statements. The statements are organized alphabetically.

application

Syntax	<pre>application <i>application-name</i> { application-protocol <i>protocol-name</i>; destination-port <i>port-number</i>; icmp-code <i>value</i>; icmp-type <i>value</i>; inactivity-timeout <i>value</i>; protocol <i>type</i>; rpc-program-number <i>number</i>; snmp-command <i>command</i>; source-port <i>port-number</i>; ttl-threshold <i>number</i>; uuid <i>hex-value</i>; }</pre>
Hierarchy Level	[edit applications], [edit applications application-set <i>application-set-name</i>]
Description	Configure properties of an application and whether to include in an application set.
Options	<i>application-name</i> —Identifier of application. The remaining statements are explained separately.
Usage Guidelines	See “Configure Application Protocol Properties” on page 40.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

application-protocol

Syntax	application-protocol <i>protocol-name</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Identify application protocol name.
Options	<i>protocol-name</i> —Name of protocol. The following protocols are supported: <ul style="list-style-type: none"> dce-rpc dce-rpc-portmap dns exec ftp h323 icmp iiop netbios netshow realaudio rpc rpc-portmap rtsp shell snmp sqlnet tftp traceroute winframe
Usage Guidelines	See “Configure an Application Protocol” on page 40.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

application-set

Syntax	application-set [<i>application-set-names</i>] { [application <i>application-names</i>]; }
Hierarchy Level	[edit applications]
Description	Configure which applications to include in an application set.
Options	<i>application-set-name</i> —Identifier of application set.
Usage Guidelines	See “Configure Application Sets” on page 47.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

applications

Syntax	applications { ... }
Hierarchy Level	[edit]
Description	Define the applications used in services.
Usage Guidelines	See “Configure Applications” on page 39.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

destination-port

Syntax	destination-port <i>port-value</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	TCP or UDP destination port number.
Options	<i>port-value</i> —Identifier for port. For a complete list, see “Configure Source and Destination Ports” on page 44.
Usage Guidelines	See “Configure Source and Destination Ports” on page 44.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

icmp-code

Syntax	icmp-code <i>value</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Internet Control Message Protocol (ICMP) code value.
Options	<i>value</i> —The ICMP code value. For a complete list, see “Configure the ICMP Code and Type” on page 42.
Usage Guidelines	See “Configure the ICMP Code and Type” on page 42.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

icmp-type

Syntax	icmp-type <i>value</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Internet Control Message Protocol (ICMP) packet type value.
Options	<i>value</i> —The ICMP type value, such as echo or echo-reply. For a complete list, see “Configure the ICMP Code and Type” on page 42.
Usage Guidelines	See “Configure the ICMP Code and Type” on page 42.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

inactivity-timeout

Syntax	inactivity-timeout <i>seconds</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Inactivity timeout period, in seconds.
Options	<i>seconds</i> —Length of time application is inactive before it times out. Default: 60 seconds
Usage Guidelines	See “Configure the Inactivity Timeout Period” on page 46.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

protocol

Syntax	protocol <i>type</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Networking protocol type or number.
Options	<i>type</i> —Networking protocol type. The following text values are supported: <ul style="list-style-type: none"> ah egp esp gre icmp igmp ipip ipv6 ospf pim rsvp tcp udp vrrp
Usage Guidelines	See “Configure the Network Protocol” on page 42.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

rpc-program-number

Syntax	rpc-program-number <i>number</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	RPC or DCE value.
Options	<i>number</i> —RPC or DCE program value. Range: 100,000 through 400,000.
Usage Guidelines	See “Configure an RPC Program Number” on page 47.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

snmp-command

Syntax	snmp-command <i>command</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	SNMP command format.
Options	<i>command</i> —Supported commands are SNMP Get, SNMP GetNext, SNMP Set, and SNMP Trap.
Usage Guidelines	See “Configure an SNMP Command” on page 46.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

source-port

Syntax	source-port <i>port-number</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Source port identifier.
Options	<i>port-value</i> —Identifier for port. For a complete list, see “Configure Source and Destination Ports” on page 44.
Usage Guidelines	See “Configure Source and Destination Ports” on page 44.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

ttl-threshold

Syntax	ttl-threshold <i>number</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Specify the traceroute time-to-live (TTL) threshold value. This value sets the acceptable level of network penetration for trace routing.
Options	<i>number</i> —TTL threshold value.
Usage Guidelines	See “Configure the TTL Threshold” on page 47.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

uuid

Syntax	uuid <i>hex-value</i> ;
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Specify UNIX user identifier (UUID) for DCE RPC objects.
Options	<i>hex-value</i> —Hexadecimal value.
Usage Guidelines	See “Configure a UNIX User Identification Number” on page 47.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

uuid