

Chapter 5

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 it in an application set.
Options	<i>application-name</i> —Identifier of the application. The remaining statements are explained separately.
Usage Guidelines	See “Configuring Application Protocol Properties” on page 44.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

application-protocol

Syntax	<code>application-protocol <i>protocol-name</i>;</code>
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Identify the application protocol name.
Options	<p><i>protocol-name</i>—Name of the protocol. The following protocols are supported:</p> <ul style="list-style-type: none"> bootp 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 “Configuring an Application Protocol” on page 44.
Required Privilege Level	<p>interface—To view this statement in the configuration.</p> <p>interface-control—To add this statement to the configuration.</p>

application-set

Syntax	<pre>application-set [<i>application-set-names</i>] { [application <i>application-names</i>]; }</pre>
Hierarchy Level	[edit applications]
Description	Configure which applications to include in an application set.
Options	<i>application-set-name</i> —Identifier of an application set.
Usage Guidelines	See “Configuring Application Sets” on page 51.
Required Privilege Level	<p>interface—To view this statement in the configuration.</p> <p>interface-control—To add this statement to the configuration.</p>

applications

Syntax	applications { ... }
Hierarchy Level	[edit]
Description	Define the applications used in services.
Usage Guidelines	See “Applications Configuration Guidelines” on page 43.
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 the port. For a complete list, see “Configuring Source and Destination Ports” on page 48.
Usage Guidelines	See “Configuring Source and Destination Ports” on page 48.
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 “Configuring the ICMP Code and Type” on page 46.
Usage Guidelines	See “Configuring the ICMP Code and Type” on page 46.
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 “Configuring the ICMP Code and Type” on page 46.
Usage Guidelines	See “Configuring the ICMP Code and Type” on page 46.
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 the application is inactive before it times out. Default: 60 seconds
Usage Guidelines	See “Configuring the Inactivity Timeout Period” on page 50.
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: ah egp esp gre icmp igmp ipip ipv6 ospf pim rsvp tcp udp vrrp
Usage Guidelines	See “Configuring the Network Protocol” on page 46.
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	Remote Procedure Call (RPC) or Distributed Computing Environment (DCE) value.
Options	<i>number</i> —RPC or DCE program value. Range: 100,000 through 400,000
Usage Guidelines	See “Configuring an RPC Program Number” on page 50.
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	Simple Network Management Protocol (SNMP) command format.
Options	<i>command</i> —Supported commands are SNMP Get, GetNext, Set, and Trap.
Usage Guidelines	See “Configuring an SNMP Command” on page 50.
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 the port. For a complete list, see “Configuring Source and Destination Ports” on page 48.
Usage Guidelines	See “Configuring Source and Destination Ports” on page 48.
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 “Configuring the TTL Threshold” on page 50.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

uuid

Syntax	<code>uuid <i>hex-value</i>;</code>
Hierarchy Level	[edit applications application <i>application-name</i>]
Description	Specify the Universal Unique Identifier (UUID) for DCE RPC objects.
Options	<i>hex-value</i> —Hexadecimal value.
Usage Guidelines	See “Configuring a Universal Unique Identifier” on page 51.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

