

## Chapter 5

# Summary of Applications Configuration Statements

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

## application

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<b>Syntax</b>	<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>
<b>Hierarchy Level</b>	[edit applications], [edit applications application-set <i>application-set-name</i> ]
<b>Description</b>	Configure properties of an application and whether to include it in an application set.
<b>Options</b>	<i>application-name</i> —Identifier of the application.  The remaining statements are explained separately.
<b>Usage Guidelines</b>	See “Configure Application Protocol Properties” on page 40.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## application-protocol

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

## application-set

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

## applications

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

## destination-port

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

## icmp-code

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

## icmp-type

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

## inactivity-timeout

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

## protocol

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

## rpc-program-number

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<b>Syntax</b>	rpc-program-number <i>number</i> ;
<b>Hierarchy Level</b>	[edit applications application <i>application-name</i> ]
<b>Description</b>	RPC or DCE value.
<b>Options</b>	<i>number</i> —RPC or DCE program value. <b>Range:</b> 100,000 through 400,000
<b>Usage Guidelines</b>	See “Configure an RPC Program Number” on page 46.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## snmp-command

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

## source-port

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

## ttl-threshold

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

## uuid

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

