

## Chapter 28

# Summary of Flow Collection Configuration Statements

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

### analyzer-address

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<b>Syntax</b>	<code>analyzer-address address;</code>
<b>Hierarchy Level</b>	[edit services flow-collector]
<b>Description</b>	Configure an IP address for the packet analyzer that overrides the default value.
<b>Options</b>	<i>address</i> —IP address for packet analyzer.
<b>Usage Guidelines</b>	See “Configure a Packet Analyzer” on page 335.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

### analyzer-id

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<b>Syntax</b>	<code>analyzer-id name;</code>
<b>Hierarchy Level</b>	[edit services flow-collector]
<b>Description</b>	Configure an identifier for the packet analyzer that overrides the default value.
<b>Options</b>	<i>name</i> —Identifier for packet analyzer.
<b>Usage Guidelines</b>	See “Configure a Packet Analyzer” on page 335.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## collector

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<b>Syntax</b>	<code>collector interface-name;</code>
<b>Hierarchy Level</b>	[edit services flow-collector interface-map]
<b>Description</b>	Configure the default flow collector interface for interface mapping.
<b>Options</b>	<code>collector interface-name</code> —Default flow collector interface.
<b>Usage Guidelines</b>	See “Configure Interface Mappings” on page 336.
<b>Required Privilege Level</b>	<code>interface</code> —To view this statement in the configuration. <code>interface-control</code> —To add this statement to the configuration.

## data-format

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<b>Syntax</b>	<code>data-format format;</code>
<b>Hierarchy Level</b>	[edit services flow-collector file-specification variant <i>variant-number</i> ]
<b>Description</b>	Specify the data format for a specific file format variant.
<b>Options</b>	<code>format</code> —Data format. Specify <code>flow-compressed</code> as the data format.
<b>Usage Guidelines</b>	See “Configure File Formats” on page 336.
<b>Required Privilege Level</b>	<code>interface</code> —To view this statement in the configuration. <code>interface-control</code> —To add this statement to the configuration.

## destinations

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See the following sections:

destinations (Server Address) on page 349

destinations (Transfer Log) on page 349

### ***destinations (Server Address)***

**Syntax** destinations {  
     ftp:url {  
         password "*password*";  
     }  
 }

**Hierarchy Level** [edit services flow-collector]

**Description** Specify the primary and secondary destination FTP servers.

**Options** The statements are explained separately.

**Usage Guidelines** See "Configure Flow Collector Destinations" on page 335.

**Required Privilege Level** interface—To view this statement in the configuration.  
 interface-control—To add this statement to the configuration.

### ***destinations (Transfer Log)***

**Syntax** destinations {  
     ftp:url {  
         password "*password*";  
         username *username*;  
     }  
 }

**Hierarchy Level** [edit services flow-collector transfer-log]

**Description** Specify the destination for transfer logs.

**Options** The statements are explained separately.

**Usage Guidelines** See "Configure Transfer Logs" on page 337.

**Required Privilege Level** interface—To view this statement in the configuration.  
 interface-control—To add this statement to the configuration.

## filename

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<b>Syntax</b>	filename " <i>filename</i> ";
<b>Hierarchy Level</b>	[edit services flow-collector transfer-log]
<b>Description</b>	Configure the filename.
<b>Options</b>	filename <i>filename</i> —Filename identifier.
<b>Usage Guidelines</b>	See “Configure Transfer Logs” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## file-specification

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See the following sections:

file-specification (File Format) on page 350

file-specification (Interface Mapping) on page 350

### ***file-specification (File Format)***

**Syntax** file-specification {  
     variant *variant-number* {  
         data-format *format*;  
         name-format *format*;  
         transfer {  
             record-level *number*;  
             timeout *seconds*;  
         }  
     }  
 }

**Hierarchy Level** [edit services flow-collector]

**Description** Configure the file format for the flow collection files.

**Options** The statements are explained separately.

**Usage Guidelines** See “Configure File Formats” on page 336.

**Required Privilege Level** interface—To view this statement in the configuration.  
 interface-control—To add this statement to the configuration.

### ***file-specification (Interface Mapping)***

**Syntax** file-specification {  
     variant *variant-number*;  
 }

**Hierarchy Level** [edit services flow-collector interface-map]

**Description** Configure the default file specification for interface mapping.

**Options** variant *variant-number*—Default file format variant.

**Usage Guidelines** See “Configure Interface Mappings” on page 336.

**Required Privilege Level** interface—To view this statement in the configuration.  
 interface-control—To add this statement to the configuration.

## flow-collector

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Syntax flow-collector {
    analyzer-address address;
    analyzer-id name;
    destinations {
        ftp:url {
            password "password";
        }
    }
    file-specification {
        variant variant-number {
            data-format format;
            name-format format;
            transfer {
                record-level number;
                timeout seconds;
            }
        }
    }
    interface-map {
        collector interface-name;
        file-specification variant-number;
        interface-name {
            collector interface-name;
            file-specification variant-number;
        }
    }
    retry number;
    retry-delay seconds;
    transfer-log {
        destinations {
            ftp:url {
                password "password";
                username username;
            }
        }
        filename "file-name";
        interval minutes;
        maximum-size number;
    }
}

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**Hierarchy Level** [edit services]

**Description** Define the flow collection.

**Options** The statements are explained separately.

**Usage Guidelines** See “Configure Service Sets” on page 193.

**Required Privilege Level** interface—To view this statement in the configuration.  
 interface-control—To add this statement to the configuration.

## ftp

See the following sections:

ftp (Flow Collector Files) on page 352

ftp (Transfer Log Files) on page 352

**ftp (Flow Collector Files)**

**Syntax** ftp:url;

**Hierarchy Level** [edit services flow-collector destination]

**Description** Specify the primary and secondary destination FTP server addresses.

**Options** url—FTP server address.

**Usage Guidelines** See “Configure Flow Collector Destinations” on page 335.

**Required Privilege Level** interface—To view this statement in the configuration.  
interface-control—To add this statement to the configuration.

**ftp (Transfer Log Files)**

**Syntax** ftp:url;

**Hierarchy Level** [edit services flow-collector transfer-log]

**Description** Specify the primary and secondary destination FTP server addresses.

**Options** url—FTP server address.

**Usage Guidelines** See “Configure Transfer Logs” on page 337.

**Required Privilege Level** interface—To view this statement in the configuration.  
interface-control—To add this statement to the configuration.

## interface-map

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<b>Syntax</b>	<pre>interface-map {   collector <i>interface-name</i>;   file-specification <i>variant-number</i>;   <i>interface-name</i> {     collector <i>interface-name</i>;     file-specification <i>variant-number</i>;   } }</pre>
<b>Hierarchy Level</b>	[edit services flow-collector]
<b>Description</b>	Match an input interface with a flow collector interface and apply the preset file specifications to the input interface.
<b>Options</b>	The statements are explained separately.
<b>Usage Guidelines</b>	See “Configure Interface Mappings” on page 336.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## interval

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<b>Syntax</b>	interval <i>minutes</i> ;
<b>Hierarchy Level</b>	[edit services flow-collector transfer-log]
<b>Description</b>	Configure the transfer interval.
<b>Options</b>	interval <i>minutes</i> —Transfer interval, in minutes.
<b>Usage Guidelines</b>	See “Configure Transfer Logs” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## maximum-size

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<b>Syntax</b>	maximum-size <i>number</i> ;
<b>Hierarchy Level</b>	[edit services flow-collector transfer-log]
<b>Description</b>	Configure the flow collection file transfer size.
<b>Options</b>	maximum-size <i>number</i> —Transfer size.
<b>Usage Guidelines</b>	See “Configure Transfer Logs” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## name-format

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<b>Syntax</b>	name-format " <i>format</i> ";
<b>Hierarchy Level</b>	[edit services flow-collector file-specification variant <i>variant-number</i> ]
<b>Description</b>	Specify the name format for a specific file format variant.
<b>Options</b>	<i>format</i> —Name format. Specify FORMAT_STRING as the data format.
<b>Usage Guidelines</b>	See “Configure File Formats” on page 336.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## password

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See the following sections:

password (Flow Collector File Servers) on page 354

password (Transfer Log File Servers) on page 354

### ***password (Flow Collector File Servers)***

<b>Syntax</b>	password " <i>password</i> ";
<b>Hierarchy Level</b>	[edit services flow-collector destination ftp: <i>url</i> ]
<b>Description</b>	Specify the primary and secondary destination FTP server password.
<b>Options</b>	<i>password</i> —FTP server password.
<b>Usage Guidelines</b>	See “Configure Flow Collector Destinations” on page 335.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

### ***password (Transfer Log File Servers)***

<b>Syntax</b>	password " <i>password</i> ";
<b>Hierarchy Level</b>	[edit services flow-collector transfer-log]
<b>Description</b>	Specify the primary and secondary destination FTP server password.
<b>Options</b>	<i>password</i> —FTP server password.
<b>Usage Guidelines</b>	See “Configure Transfer Logs” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## retry

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<b>Syntax</b>	<i>retry number</i> ;
<b>Hierarchy Level</b>	[edit services flow-collector]
<b>Description</b>	Configure the maximum number of attempts the flow collector interface will make to transfer log files to the FTP server.
<b>Options</b>	<i>number</i> —Maximum number of transfer retry attempts. <b>Range:</b> 0 through 10
<b>Usage Guidelines</b>	See “Configure Retry Attempts” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## retry-delay

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<b>Syntax</b>	<i>retry-delay seconds</i> ;
<b>Hierarchy Level</b>	[edit services flow-collector]
<b>Description</b>	Configure the amount of time the flow collector interface waits between retry attempts.
<b>Options</b>	<i>seconds</i> —Amount of time between transfer retry attempts. <b>Range:</b> 0 through 60
<b>Usage Guidelines</b>	See “Configure Retry Attempts” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## transfer

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<b>Syntax</b>	transfer { record-level <i>number</i> ; timeout <i>seconds</i> ; }
<b>Hierarchy Level</b>	[edit services flow-collector file-specification variant <i>variant-number</i> ]
<b>Description</b>	Specify when to send the flow collection file. The file is sent when either of the two conditions are met.
<b>Options</b>	record-level <i>number</i> —Number of flow collection files collected.  timeout <i>seconds</i> —Time, in seconds.
<b>Usage Guidelines</b>	See “Configure File Formats” on page 336.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## transfer-log

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<b>Syntax</b>	transfer-log { destinations { ftp:url { password " <i>password</i> "; username <i>username</i> ; } } filename " <i>file-name</i> "; interval <i>minutes</i> ; maximum-size <i>number</i> ; }
<b>Hierarchy Level</b>	[edit services flow-collector]
<b>Description</b>	Configure the filename, export interval, maximum size, and destination FTP server for log files containing the transfer activity history for a flow collector interface.
<b>Options</b>	The statements are explained separately.
<b>Usage Guidelines</b>	See “Configure Transfer Logs” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## username

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<b>Syntax</b>	<code>username <i>user-name</i>;</code>
<b>Hierarchy Level</b>	[edit services flow-collector transfer-log]
<b>Description</b>	Specify the username for the transfer log server.
<b>Options</b>	<i>username</i> —FTP server username.
<b>Usage Guidelines</b>	See “Configure Transfer Logs” on page 337.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

## variant

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<b>Syntax</b>	<code>variant <i>variant-number</i> {     data-format <i>format</i>;     name-format <i>format</i>;     transfer {         record-level <i>number</i>;         timeout <i>seconds</i>;     } }</code>
<b>Hierarchy Level</b>	[edit services flow-collector file-specification]
<b>Description</b>	Configure a variant of the file format.
<b>Options</b>	The statements are explained separately.
<b>Usage Guidelines</b>	See “Configure File Formats” on page 336.
<b>Required Privilege Level</b>	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.