

Chapter 30

Summary of Flow Collection Configuration Statements

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

analyzer-address

Syntax	<code>analyzer-address address;</code>
Hierarchy Level	[edit services flow-collector]
Description	Configure an IP address for the packet analyzer that overrides the default value.
Options	<code>address</code> —IP address for packet analyzer.
Usage Guidelines	See “Configuring a Packet Analyzer” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

analyzer-id

Syntax	<code>analyzer-id name;</code>
Hierarchy Level	[edit services flow-collector]
Description	Configure an identifier for the packet analyzer that overrides the default value.
Options	<code>name</code> —Identifier for packet analyzer.
Usage Guidelines	See “Configuring a Packet Analyzer” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

collector

Syntax	<code>collector interface-name;</code>
Hierarchy Level	[edit services flow-collector interface-map]
Description	Configure the default flow collector interface for interface mapping.
Options	<code>collector interface-name</code> —Default flow collector interface.
Usage Guidelines	See “Configuring Interface Mappings” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

data-format

Syntax	<code>data-format format;</code>
Hierarchy Level	[edit services flow-collector file-specification variant <i>variant-number</i>]
Description	Specify the data format for a specific file format variant.
Options	<code>format</code> —Data format. Specify flow-compressed as the data format.
Usage Guidelines	See “Configuring File Formats” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

destinations

See the following sections:

destinations (Server Address) on page 399

destinations (Transfer Log) on page 399

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 “Configuring Flow Collector Destinations” on page 385.
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 “Configuring Transfer Logs” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

filename

Syntax	filename "filename";
Hierarchy Level	[edit services flow-collector transfer-log]
Description	Configure the filename.
Options	filename <i>filename</i> —Filename identifier.
Usage Guidelines	See “Configuring Transfer Logs” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

file-specification

See the following sections:

file-specification (File Format) on page 400

file-specification (Interface Mapping) on page 400

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 “Configuring File Formats” on page 386.

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 “Configuring Interface Mappings” on page 386.

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

flow-collector

```

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;
    }
}

```

Hierarchy Level [edit services]

Description Define the flow collection.

Options The statements are explained separately.

Usage Guidelines See “Service Sets Configuration Guidelines” on page 245.

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 402

ftp (Transfer Log Files) on page 403

ftp (Flow Collector Files)

Syntax ftp:uri;

Hierarchy Level [edit services flow-collector destination]

Description Specify the primary and secondary destination FTP server addresses.

Options uri—FTP server address. The URL can include the following macros, typed in braces:

{%D)—Date

{%T)—Time when the file is created

{%I)—Description string for the logical interface configured using the collector *interface-name* statement at the [edit services flow-collector interface-map] hierarchy

{%N)—Unique, sequential number for each new file created

{am_pm)—AM or PM

{date)—Current date using the {year} {month} {day} macros

{day)—From 01 to 31

{day_abbrev)—Sun through Sat

{day_full)—Sunday through Saturday

{generation number)—Unique, sequential number for each new file created

{hour_12)—From 01 to 12

{hour_24)—From 00 to 23

{ifalias)—Description string for the logical interface configured using the collector *interface-name* statement at the [edit services flow-collector interface-map] hierarchy

{minute)—From 00 to 59

{month)—From 01 to 12

{month_abbrev)—Jan through Dec

{month_full}—January through December

{num_zone}—From -2359 to + 2359; this macro is not supported

{second}—From 00 to 60

{time}—Time the file is created, using the {hour_24} {minute} {second} macros

{time_zone}—Time zone code name of the locale; for example, gmt. This macro is not supported

{year}—In the format YYYY; for example, 1970

{year_abbr}—From 00 to 99

Usage Guidelines See “Configuring Flow Collector Destinations” on page 385.

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 “Configuring Transfer Logs” on page 387.

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

interface-map

Syntax	<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>
Hierarchy Level	[edit services flow-collector]
Description	Match an input interface with a flow collector interface and apply the preset file specifications to the input interface.
Options	The statements are explained separately.
Usage Guidelines	See “Configuring Interface Mappings” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

interval

Syntax	interval <i>minutes</i> ;
Hierarchy Level	[edit services flow-collector transfer-log]
Description	Configure the transfer interval.
Options	interval <i>minutes</i> —Transfer interval, in minutes.
Usage Guidelines	See “Configuring Transfer Logs” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

maximum-size

Syntax	maximum-size <i>number</i> ;
Hierarchy Level	[edit services flow-collector transfer-log]
Description	Configure the flow collection file transfer size.
Options	maximum-size <i>number</i> —Transfer size.
Usage Guidelines	See “Configuring Transfer Logs” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

name-format

Syntax	name-format " <i>format</i> ";
Hierarchy Level	[edit services flow-collector file-specification variant <i>variant-number</i>]
Description	Specify the name format for a specific file format. The files may include supported macros. Use macros to organize files on the external machine to which they are exported from the collector PIC.
Options	<p><i>format</i>—Specify the filename format, within quotation marks. The name format can include the following macros, typed in braces:</p> <ul style="list-style-type: none"> {%D}—Date {%T}—Time when the file is created {%I}—Description string for the logical interface configured using the collector <i>interface-name</i> statement at the [edit services flow-collector interface-map] hierarchy {%N}—Unique, sequential number for each new file created {am_pm}—AM or PM {date}—Current date using the {year} {month} {day} macros {day}—From 01 to 31 {day_abbrev}—Sun through Sat {day_full}—Sunday through Saturday {generation number}—Unique, sequential number for each new file created {hour_12}—From 01 to 12 {hour_24}—From 00 to 23 {ifalias}—Description string for the logical interface configured using the collector <i>interface-name</i> statement at the [edit services flow-collector interface-map] hierarchy {minute}—From 00 to 59 {month}—From 01 to 12 {month_abbrev}—Jan through Dec {month_full}—January through December {num_zone}—From -2359 to + 2359; this macro is not supported {second}—From 00 to 60

{time}—Time the file is created, using the {hour_24} {minute} {second} macros

{time_zone}—Time zone code name of the locale; for example, gmt. This macro is not supported

{year}—In the format YYYY; for example, 1970

{year_abbr}—From 00 to 99

Usage Guidelines See “Configuring File Formats” on page 386.

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

password

See the following sections:

password (Flow Collector File Servers) on page 406

password (Transfer Log File Servers) on page 406

password (Flow Collector File Servers)

Syntax password “password”;

Hierarchy Level [edit services flow-collector destination ftp:uri]

Description Specify the primary and secondary destination FTP server password.

Options password—FTP server password.

Usage Guidelines See “Configuring Flow Collector Destinations” on page 385.

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

password (Transfer Log File Servers)

Syntax password “password”;

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

Description Specify the primary and secondary destination FTP server password.

Options password—FTP server password.

Usage Guidelines See “Configuring Transfer Logs” on page 387.

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

retry

Syntax	<i>retry number</i> ;
Hierarchy Level	[edit services flow-collector]
Description	Configure the maximum number of attempts the flow collector interface will make to transfer log files to the FTP server.
Options	<i>number</i> —Maximum number of transfer retry attempts. Range: 0 through 10
Usage Guidelines	See “Configuring Retry Attempts” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

retry-delay

Syntax	<i>retry-delay seconds</i> ;
Hierarchy Level	[edit services flow-collector]
Description	Configure the amount of time the flow collector interface waits between retry attempts.
Options	<i>seconds</i> —Amount of time between transfer retry attempts. Range: 0 through 60
Usage Guidelines	See “Configuring Retry Attempts” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

transfer

Syntax	transfer { record-level <i>number</i> ; timeout <i>seconds</i> ; }
Hierarchy Level	[edit services flow-collector file-specification variant <i>variant-number</i>]
Description	Specify when to send the flow collection file. The file is sent when either of the two conditions are met.
Options	record-level <i>number</i> —Number of flow collection files collected. timeout <i>seconds</i> —Time, in seconds.
Usage Guidelines	See “Configuring File Formats” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

transfer-log

Syntax	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> ; }
Hierarchy Level	[edit services flow-collector]
Description	Configure the filename, export interval, maximum size, and destination FTP server for log files containing the transfer activity history for a flow collector interface.
Options	The statements are explained separately.
Usage Guidelines	See “Configuring Transfer Logs” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

username

Syntax	<code>username <i>user-name</i>;</code>
Hierarchy Level	[edit services flow-collector transfer-log]
Description	Specify the username for the transfer log server.
Options	<i>username</i> —FTP server username.
Usage Guidelines	See “Configuring Transfer Logs” on page 387.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

variant

Syntax	<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>
Hierarchy Level	[edit services flow-collector file-specification]
Description	Configure a variant of the file format.
Options	The statements are explained separately.
Usage Guidelines	See “Configuring File Formats” on page 386.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

