



# Displaying Configuration Information and Statistics for Application Acceleration and Optimization

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This chapter describes the **show** commands available for displaying application acceleration and optimization-related information and statistics for the ACE. The **show** commands display information associated with the context from which you execute the command. Each command described in this chapter also includes an explanation of the command output.

**Note**

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While the **show** commands are Exec mode commands, you can execute a **show** command from any configuration mode by using the **do** command.

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This chapter contains the following major sections:

- [Displaying Running-Configuration File Information](#)
- [Displaying HTTP Optimization Statistics](#)
- [Displaying Action List Configuration Information](#)
- [Displaying Parameter Map Configuration Information](#)
- [Displaying Global Optimize Mode Configuration Information](#)
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## Displaying Running-Configuration File Information

To display the ACE running-configuration file associated with the current context to view application acceleration and optimization information, use the following **show** commands in Exec mode. Configuration entries within each mode in the running-config file appear in chronological order, based on the order in which you configure the ACE. The ACE does not display default configurations in the ACE running-configuration file.

- **show running-config**—Displays all traffic classifications configured in the current context, including optimization configuration information.
- **show running-config parameter-map**—Displays parameter map information configured in the current context, including optimization configuration information.

For example, to display all parameter maps in the current context, enter:

```
host1/C1# show running-config parameter-map
```

## Displaying HTTP Optimization Statistics

To display HTTP optimization statistics, use the **show stats optimization http** command in Exec mode. The syntax of this command is as follows:

```
show stats optimization http
```

For example, enter:

```
host1/Admin# show stats optimization http
```

To clear the HTTP optimization statistics, use the **clear stats optimization** command in Exec mode. The syntax of this command is as follows:

```
clear stats optimization
```

For example, enter:

```
host1/Admin# clear stats optimization
```

Table 6-1 describes the fields in the **show stats optimization http** command output for an HTTP parameter map.

**Table 6-1 Field Descriptions for the show stats loadbalance Command Output**

<b>Field</b>	<b>Description</b>
Total Requests	Total number of client browser requests received
Total Noncondensable Requests	Total number of noncondensable requests that could not be fulfilled
Total Deltas	Total number of dynamically calculated content differences, or deltas, between subsequent content retrievals
Total Delta Abandons	Total number of abandons of delta calculations because of more than x% object size growth, or other criteria
Total Rebases	Total number of times the base file that is used for generating deltas has been updated
Total Basefile Hits	Total number of basefile hits
Total Basefile Misses	Total number of basefile misses
Total Requested Object Size in Bytes	Accumulated size (in bytes) of each request object
Total Final Response Size in Bytes	Accumulated size (in bytes) of each condensable and noncondensable response
Total Successful Transformations	Total number of successful transformations for FlashForward objects.
Total Unsuccessful Transformations	Total number of unsuccessful transformations for FlashForward objects
Total Transformed Object Requests	Total number of HTTP requests (not IMS) for those transformed FlashForward objects

**Table 6-1** *Field Descriptions for the show stats loadbalance Command Output (continued)*

Field	Description
Total Transformed Object IMS Requests	Total number of If-Modified-Since requests for those transformed FlashForward objects
Total Static Object Hits	Total number of cacheable objects served (not including “304” replies)
Total Static Object Hit Size in Bytes	Accumulated size (in bytes) of the cacheable objects served (not including “304” replies)
Total Static Object Misses	Total number of cacheable objects not found
Total Static Object Miss Size in Bytes	Accumulated size (in bytes) of the cacheable objects not found
Total Refresh Hits	Total number of requests for stale objects that have the responses from the origin server as “Not Modified”
Total IMS Hits	Total number of If-Modified-Since requests for valid copies of objects
Total IMS Misses	Total number of If-Modified-Since requests for objects that either do not exist or are stale
Total Direct Requests	Total number of non-cacheable object requests

## Displaying Action List Configuration Information

To display action list configuration information, use the **show action-list** command in Exec mode. The show output displays all optimization action list configurations and default values.

The syntax of this command is as follows:

```
show action-list list_name
```

The *list\_name* argument specifies the name of an existing action list as an unquoted text string with a maximum of 64 alphanumeric characters.

For example, to display configuration information for the ACT\_LIST1 action list, enter:

```
host1/Admin# show action-list ACT_LIST1

Action-list      : ACT_LIST1
Description:     Optimization action list 1
Type :          optimization
  delta                : enabled
  appscope             : disabled
  flashforward        : enabled
  flashforward-object : disabled
  cache dynamic       : disabled
  cache forward       : disabled
  cache forward-with-wait : disabled
  dynamic etag        : disabled
```

## Displaying Parameter Map Configuration Information

To display parameter map configuration information, use the **show parameter-map** command in Exec mode. The show output displays all application acceleration and optimization parameter map settings and default values.

The syntax of this command is as follows:

```
show parameter-map map_name
```

The *map\_name* argument specifies the name of an existing parameter map as an unquoted text string with a maximum of 64 alphanumeric characters.

For example, to display configuration information for the OPTIMIZE\_PARAM\_MAP action list, enter:

```
host1/Admin# show parameter-map OPTIMIZE_PARAM_MAP
Parameter-map : OPTIMIZE_PARAM_MAP
Type :        optimization
  ignore-server-content :
  server-header         :
```

```

appscope optimize-rate-percent      : 10
appscope passthru-rate-percent     : 10
parameter-summary parameter-value-limit: 100
post-content-buffer-limit          : 40
request-grouping-string             :
basefile anonymous-level             : 0
cache key-modifier                  :
cache ttl max                       : 259200
cache ttl min                       : 0
cache ttl percent                   : 20
cache parameter                     :
canonical-url                       :
delta cacheable-content             : disabled
delta firstvisit                    : disabled
clientscript-default                : javascript
delta exclude iframes               : disabled
delta exclude non-ascii             : disabled
delta exclude scripts               : disabled
expires-setting                     : unmodified
extract meta                        : disabled
flashforward refresh-policy         : all
delta page-size max                 : 250000
delta page-size min                 : 1024
delta exclude mime-type             :
rebase delta-percent                : 50
rebase flashforward-percent         : 50
rebase history-size                 : 1000
rebase modification-cooloff-period  : 14400
rebase reset-period                 : 900
cache-policy request                 :
cache-policy response               :
utf8 threshold                      : 5
server-load trigger-percent         : 20
server-load ttl-change-percent      : 20
delta all-user                      : enabled
delta per-user                      : disabled

```

## Displaying Global Optimize Mode Configuration Information

To display global optimize mode configuration information, use the **show optimization-global** command in Exec mode. The show output displays all global optimize mode configurations and default values.

The syntax of this command is as follows:

### **show optimization-global**

For example, to display global optimize mode configuration information, enter:

```
switch/Admin# show optimization-global
  appscope-log           : enabled
  concurrent-connections : 0
  debug-level           : 0
```

## Where to Go Next

If you are using the optional Cisco AVS 3180A Management Station with the ACE, proceed to [Appendix A, Using the Optional Cisco AVS 3180A Management Station for Reporting](#). The Cisco AVS 3180A Management Station runs the Management Console that includes database, management, and reporting features, including AppScope reporting, for the ACE optimization functionality.

