

Chapter 8

Routing Policy Monitoring and Troubleshooting

Table 29 summarizes the command-line interface (CLI) commands you can use to monitor the routing policy filters. In the table, the commands are grouped by functionality. In the remainder of this chapter, they are explained alphabetically.

Table 29: Commands for Monitoring and Managing Routing Policy

Task or Information to Monitor	Command
Test import and export policies.	test policy on page 344
Configured routing policies.	show policy on page 343
Configured BGP damping parameters that can be used in policy filters.	show policy damping on page 344
Display routes that have been damped.	show route inactive on page 372

show policy

Syntax show policy <policy-name>

Description Display information about the configured routing policies.

Options none—List the names of all configured routing policies.
policy-name—(Optional) Show the contents of the specified policy.

Required Privilege Level view

Sample Output

```
user@host> show policy
Configured policies:
test-statics
> show policy test-statics
Policy test-statics:
  from
    3.0.0.0/8  accept
    3.1.0.0/16  accept
  then reject
```

show policy damping

Syntax show policy damping

Description Display information about the BGP damping parameters.

Required Privilege Level view

Sample Output

```
user@host> show policy damping
Default damping information:
  Halflife: 15 minutes
  Reuse merit: 750 Suppress/cutoff merit: 3000
  Maximum suppress time: 60 minutes
Computed values:
  Merit ceiling: 12110
  Maximum decay: 6193
```

test policy

Syntax test policy *policy-name prefix*

Description Test a policy configuration to determine which prefixes match routes in the routing table.

All prefixes in the inet.0 routing table (the default unicast routing table) that match the specified prefix (that is, prefixes that are the same or are longer matches) are processed by the from clause in the specified policy. All prefixes accepted by the policy are displayed.

Options *policy-name*—Name of a policy. To test all policies, specify *policy-name* as a hyphen (-).

prefix—Destination prefix to match.

Required Privilege Level view

Sample Output

```
user@host> test policy test-statics 3.0.0.1/8
inet.0: 44 destinations, 44 routes (44 active, 0 holddown, 0 hidden)
Prefixes passing policy:

3.0.0.0/8          *[BGP/170] 16:22:46, localpref 100, from 10.255.255.41
                  AS Path: 50888 I
                  > to 10.11.4.32 via en0.2, label-switched-path l2
3.3.3.1/32        *[IS-IS/18] 2d 00:21:46, metric 0, tag 2
                  > to 10.0.4.7 via fxp0.0
3.3.3.2/32        *[IS-IS/18] 2d 00:21:46, metric 0, tag 2
                  > to 10.0.4.7 via fxp0.0
3.3.3.3/32        *[IS-IS/18] 2d 00:21:46, metric 0, tag 2
                  > to 10.0.4.7 via fxp0.0
3.3.3.4/32        *[IS-IS/18] 2d 00:21:46, metric 0, tag 2
                  > to 10.0.4.7 via fxp0.0
Policy test-statics: 5 prefixes accepted, 0 prefixes rejected
```