

## ip policy

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**Syntax** For standard policy lists in Interface Configuration mode:

```
ip policy { input | output | secondary-input } policyName  
[ statistics { enabled [ baseline { enabled | disabled } ] [ preserve | merge ] |  
disabled [ merge ] } | merge ]
```

```
no ip policy { input | output | secondary-input } [ policyName ]
```

For secure policy lists in Interface Configuration mode:

```
ip policy { secure-input | secure-output } policyName  
[ statistics { enabled [ baseline baselineValue ] [ preserve ] | disabled } ]
```

```
no ip policy { secure-input | secure-output }
```

For policy lists in Profile Configuration mode:

```
ip policy { input | output | secondary-input } policyName  
[ statistics { enabled | disabled } ] [ merge ]
```

```
no ip policy { input | output | secondary-input } [ policyName ]
```

**Release Information** Command introduced before JUNOS Release 7.1.0.  
**merge** keyword added in JUNOS Release 7.2.0.  
Profile Configuration mode added in JUNOS Release 7.2.0.

**Description** Assigns a policy list to the ingress or egress of an interface.

For standard policy lists, specify the **input** or **output** keyword to assign the policy list to the ingress or egress of the interface. If you enter the **ip policy** command and the policy list does not exist, the router inserts a default filter rule. Attaching this policy list to an interface filters all packets on that interface.

For secure policy lists, which are used for packet mirroring, use the **secure-input** or **secure-output** keyword to assign the packet mirroring policy list to the ingress or egress side of the interface. If you use the **ip policy** command and the secure policy list does not exist, the router creates a secure policy list with a default mirror rule that disables mirroring. Attaching this policy list to an interface results in no packet mirroring.

In Profile Configuration mode, assigns the policy list to a profile, which then assigns the policy to an interface.

In Interface Configuration mode, the **no** version removes the association between a policy list and an interface. In Profile Configuration mode, the **no** version removes policy reference from the profile.

- Options**
- input—Applies policy to data arriving at this interface before a route lookup
  - output—Applies policy to data leaving this interface

- **secondary-input**—Applies policy to data that arrives at this interface after a route lookup
- **secure-input**—Applies secure policy to data arriving at this interface
- **secure-output**—Applies secure policy to data leaving this interface



**NOTE:** The **ip policy** command used with the **secure-input** and **secure-output** keywords provides packet mirroring support. These keywords are available in Interface Configuration mode and do not support the statistics-related keywords. The **ip policy** command used with these keywords replaces the **ip mirror** command, which has been deprecated.

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- *policyName*—Name of the policy; a maximum of 40 characters
  - **statistics**—Enables or disables collection of policy routing statistics
    - **enabled**—Enables collection of policy routing statistics
    - **baseline enabled**—Enables baselining of policy routing statistics (Interface Configuration mode only)
    - **baseline disabled**—Disables baselining of policy routing statistics (Interface Configuration mode only)
    - **preserve**—Preserves existing statistics for any classifier list that is the same for both the new and old policy attachments when you attach a new policy to an interface
    - **disabled**—Disable collection of policy routing statistics
  - **merge**—Enables merging of multiple policies to form a single policy
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**NOTE:** The **local-input** keyword for the **ip policy** command is deprecated, and might be completely removed in a future release. We recommend that you remove the keyword from scripts.

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**Mode** Interface Configuration, Profile Configuration

- Related Topics**
- Setting a Statistics Baseline for Policies
  - Configuring CLI-Based Mirroring