

Configuring Accounting for the Physical Interface

Juniper Networks routing platforms can collect various kinds of data about traffic passing through the routing platform. You can set up one or more *accounting profiles* that specify some common characteristics of this data, including the following:

- The fields used in the accounting records
- The number of files that the routing platform retains before discarding, and the number of bytes per file
- The polling period that the system uses to record the data

You configure the profiles and define a unique name for each profile using statements at the [edit accounting-options] hierarchy level. There are two types of accounting profiles: interface profiles and filter profiles. You configure interface profiles by including the *interface-profile* statement at the [edit accounting-options] hierarchy level. You configure filter profiles by including the *filter-profile* statement at the [edit accounting-options] hierarchy level. For more information, see the *JUNOS Network Management Configuration Guide*.

You apply filter profiles by including the *accounting-profile* statement at the [edit firewall filter *filter-name*] and [edit firewall family *family* filter *filter-name*] hierarchy levels. For more information, see the *JUNOS Policy Framework Configuration Guide*.

Applying an Accounting Profile to the Physical Interface

To enable accounting on an interface, include the *accounting-profile* statement at the [edit interfaces *interface-name*] hierarchy level:

```
[edit interfaces interface-name]  
  accounting-profile name;
```

You can also reference profiles by logical unit; for more information, see *Configuring Accounting for the Logical Interface*.

Example: Applying an Accounting Profile to the Physical Interface

Configure an accounting profile for an interface and apply it to a physical interface:

```
[edit]  
accounting-options {  
  file if_stats {  
    size 4m files 10 transfer-interval 15;  
    archive-sites {  
      "ftp://login:password@host/path";  
    }  
  }  
  interface-profile if_profile {  
    interval 15;  
    file if_stats {  
      fields {
```

```
        input-bytes;  
        output-bytes;  
        input-packets;  
        output-packets;  
        input-errors;  
        output-errors;  
    }  
}  
}  
[edit interfaces ge-1/0/1]  
accounting-profile if_profile;
```