

## Configuring Accounting for the Logical Interface

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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 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 Logical Interface

To enable accounting on a logical interface, include the `accounting-profile` statement:

```
accounting-profile name;
```

You can include this statement at the following hierarchy levels:

- `[edit interfaces interface-name unit logical-unit-number]`

You can also reference profiles for the physical interface; for more information, see *Configuring Accounting for the Physical Interface*.

### Example: Applying an Accounting Profile to the Logical Interface

Configure an accounting profile for an interface and apply it to a logical 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 unit 1]
accounting-profile if_profile;

```

To reference profiles by physical interface, see *Configuring Accounting for the Physical Interface*. For information about configuring a firewall filter accounting profile, see the *JUNOS Policy Framework Configuration Guide*.