

Configuring the Routing Engine Profile

The Routing Engine profile collects Routing Engine statistics and logs them to a file. The Routing Engine profile specifies the fields for which statistics are collected.

To configure a Routing Engine profile, include the `routing-engine-profile` statement at the `[edit accounting-options]` hierarchy level:

```
[edit accounting-options]
routing-engine-profile profile-name {
  fields {
    field-name;
  }
  file filename;
  interval minutes;
}
```

To configure a Routing Engine profile, perform the tasks described in the following sections:

- Configuring Fields on page 1
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- Configuring the Interval on page 2
- Example: Configuring a Routing Engine Profile on page 2

Configuring Fields

A Routing Engine profile must specify what statistics are collected. To configure which statistics should be collected for the Routing Engine, include the `fields` statement at the `[edit accounting-options routing-engine-profile profile-name]` hierarchy level:

```
[edit accounting-options routing-engine-profile profile-name]
fields {
  field-name;
}
```

Configuring the File Information

Each accounting profile logs its statistics to a file in the `/var/log` directory.

To configure which file to use, include the `file` statement at the `[edit accounting-options routing-engine-profile profile-name]` hierarchy level:

```
[edit accounting-options routing-engine-profile profile-name]
file filename;
```

You must specify a *filename* for the Routing Engine profile that has already been configured at the `[edit accounting-options]` hierarchy level.

Configuring the Interval

A Routing Engine profile has statistics collected once per interval time specified for the profile. Statistics collection time is scheduled evenly over the configured interval. To configure the interval, include the `interval` statement at the `[edit accounting-options routing-engine-profile profile-name]` hierarchy level:

```
[edit accounting-options routing-engine-profile profile-name]  
interval;
```

The range for interval is 1 through 2880 minutes. The default is 30 minutes.

Example: Configuring a Routing Engine Profile

Configure a Routing Engine profile:

```
[edit accounting-options]  
file my-file {  
    size 300k;  
}  
routing-engine-profile profile-1 {  
    file my-file;  
    fields {  
        host-name;  
        date;  
        time-of-day;  
        uptime;  
        cpu-load-1;  
        cpu-load-5;  
        cpu-load-15;  
    }  
}
```

- Related Topics**
- Understanding Source Class Usage and Destination Class Usage Options
 - Configuring SCU or DCU
 - Configuring SCU on a Virtual Loopback Tunnel Interface
 - Configuring Class Usage Profiles
 - Configuring the MIB Profile

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