

Example: Sampling a Single SONET/SDH Interface

The following configuration gathers statistical sampling information from a small percentage of all traffic on a single SONET/SDH interface and collects it in a file named `sonet-samples.txt`.

Create the filter:

```
[edit firewall family inet]
filter {
  sample-sonet {
    then {
      sample;
      accept;
    }
  }
}
```

Apply the filter to the SONET/SDH interface:

```
[edit interfaces]
so-0/0/1 {
  unit 0 {
    family inet {
      filter {
        input sample-sonet;
      }
      address 10.127.68.254/32 {
        destination 10.127.74.7;
      }
    }
  }
}
```

Finally, configure traffic sampling:

```
[edit forwarding-options]
sampling {
  input {
    rate 100;
    run-length 2;
  }
  family inet {
    output {
      file {
        filename sonet-samples.txt;
        files 40;
        size 5m;
      }
    }
  }
}
```