



# Configuring the TIBCO Routing Daemon (rvrd) to Communicate Between Two Networks

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The TIBCO routing daemon (**rvrd**) can be used to route through different subnets. For additional information, refer to the TIBCO Administration Guide, Routing Daemon.

## Sample Configuration

The following procedure explains how to configure the TIBCO routing daemon between an NT host (JVR) and a UNIX host (Cisco PerfE).

The following sample IP addresses are used:

- JVR host IP address: 128.1.13.105
- Cisco PerfE host IP address: 172.1.15.110.

## Windows NT Installation

On a Windows NT system, do the following:

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- Step 1** Uninstall all services registered for TIBCO.
  - Step 2** Run **rvntscfg.exe** to uninstall **rvd**, **rva**, etc.
  - Step 3** Install **rvrd**:
    - permanent -store c:\rvrd.db -logfile c:\rvrd.log
  - Step 4** Start the **rvrd** service.

By default, the service uses port 7500 and the http port 7580.
  - Step 5** Open the **rvrd** web interface:

<http://128.107.133.105:7580>
  - Step 6** Add a routing entry as follows:
    - a. Click **Routers**.
    - b. Enter the router name, **JVRHOST**, then click **Add**.

- c. For the **JVRHOST** route, add a local network as follows:
  - Click **Local Networks**, then add the network information:
 

**Network Name:** JVRNetwork

**Service:** 7500

**Network Specification:** 128.107.133.105
  - Click **Add Local Network**.
  - Double-click the newly added local network to specify the subject filtering, enter as appropriate or enter ">" to accept every subject.
  - Click **Add** for import and export.

**Step 7** For the **JVRHOST** route, add **PERFEHOST** as a neighbor:

- a. Click **Neighbors**, then add the network information:

**Neighbor Name:** PERFEHOST

**Host IP Address:** 172.29.146.110

**Remote Port:** 7510

**Local Port:** 7510

- b. Click **Add Active [all]**.

Alternatively, you can listen for messages from all Cisco PerfEs by selecting the top option and specifying the local port number as **7510**.

This completes the **rvrd** configuration under Windows NT.

## UNIX Installation

On a UNIX system, do the following:

**Step 1** Ensure Cisco PerfE is stopped by using the **stop.sh all** command.

**Step 2** Ensure all the processes (**rvd**, **rva**) are shut down.

**Step 3** Ensure the **DAS\_HOME** environment variable is set:

```
$> sh
$> . $DAS_HOME/bin/env.sh
$> rvrd -listen tcp:7500 -store $DAS_HOME/config/rvrd.cfg
```

From the Web browser, go to <http://172.29.146.110:7580> and administer **rvrd** on the Cisco PerfE host.

**Step 4** First, add a routing entry:

**Router name:** PERFEHOST

**Step 5** For the **PERFEHOST** TIBCO router, enter the local network information as follows:

**Network Name:** PERFENetwork

**Service:** 7500

**Network Specification:** 172.29.146.110

Specify the subject appropriately or as >.

**Step 6** For the **PERFEHOST** route, add **JVRHOST** as a neighbor:

a. Click on **Neighbors** and add the network information:

**Neighbor Name:** JVRHOST

**Host IP Address:** 128.107.133.105

**Remote port:** 7510

**Local Port:** 7510

b. Click **Add Active [all]**.

This completes the UNIX/Cisco PerfE **rvrd** configuration.

Both daemons are now configured appropriately to talk to the networks and they establish TCP connections on port 7510.

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■ Sample Configuration