Verifying That Virtual Routing Instances Are Working

Purpose After creating a virtual routing instance, make sure it is set up properly.

Action 1. Use the show route instance command to list all of the routing instances and their properties:

```
user@switch> show route instance

Instance             Type
        Primary RIB
Active/holddown/hidden
master               forwarding
        inet.0                                          3/0/0

__juniper_private1__ forwarding
        __juniper_private1__.inet.0                     1/0/3

__juniper_private2__ forwarding

instance1            forwarding

r1                   virtual-router
        r1.inet.0                                       1/0/0

r2                   virtual-router
        r2.inet.0                                       1/0/0
```

2. Use the show route forwarding-table command to view the forwarding table information for each routing instance:

```
user@switch> show route forwarding-table

Routing table: r1.inet
Internet:
Destination        Type RtRef Next hop           Type Index NhRef Netif
default            perm     0                    rjct   539     2
0.0.0.0/32         perm     0                    dscd   537     1
103.1.1.0/24       ifdn     0                    rslv   579     1
ge-0/0/3.0
103.1.1.0/32       iddn     0 103.1.1.0          recv   577     1
ge-0/0/3.0
103.1.1.1/32       user     0                    rjct   539     2
103.1.1.1/32       intf     0 103.1.1.1          locl   578     2
103.1.1.1/32       iddn     0 103.1.1.1          locl   578     2
103.1.1.255/32     iddn     0 103.1.1.255        bcst   576     1
ge-0/0/3.0
224.0.0.0/4        perm     0                    mdsc   538     1
224.0.0.1/32       perm     0 224.0.0.1          mcst   534     1
255.255.255.255/32 perm     0                    bcst   535     1
```

Meaning The output confirms that the virtual routing instances are created and the links are up and displays the routing table information.

Related Topics

- Configuring Virtual Routing Instances Using VRF (CLI Procedure)

- Example: Using Virtual Routing Instances to Route Among VLANs on EX-series Switches