

## 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/holdown/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
0.0.0.0/32       perm  0
103.1.1.0/24     ifdn  0
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
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
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 (CLI Procedure)

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