

## 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		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	loc1	578	2	
103.1.1.1/32	iddn	0	103.1.1.1	loc1	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 (CLI Procedure)

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

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