

## Configuring Virtual Routing Instances (CLI Procedure)

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Use virtual routing and forwarding (VRF) to divide an EX-series switch into multiple virtual routing instances. VRF allows you to isolate VLAN traffic without using multiple devices to segment your network.

Before you begin to configure these multiple virtual routing instances, make sure to set up your VLANs. See [Configuring VLANs for EX-series Switches \(CLI Procedure\)](#) or [Configuring VLANs for EX-series Switches \(J-Web Procedure\)](#).

To configure virtual routing instances:

1. Create a routing instance:

```
[edit routing-instances]
user@switch# set routing-instance-name instance-type virtual-router
```

2. Bind each routing instance to the corresponding interfaces:

```
[edit routing-instances]
user@switch# set routing-instance-name interface
ge-chassis/slot/port.logical-unit-number
```

3. Create each of the logical interfaces bound to each routing instance:

```
[edit interfaces]
user@switch# set ge-chassis/slot/port unit logical-unit-number family inet
address ip-address
```

4. Enable VLAN tagging on each interface:

```
[edit interfaces]
user@switch# set ge-chassis/slot/port vlan-tagging
```

- Related Topics**
- [Example: Using Virtual Routing Instances to Route Among VLANs on EX-series Switches](#)
  - [Verifying That Virtual Routing Instances Are Working](#)
  - [Understanding Virtual Routing Instances on EX-series Switches](#)

