

## Configuring Graceful Routing Engine Switchover in a Virtual Chassis Configuration (CLI Procedure)

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In a Virtual Chassis configuration, one member switch is assigned the master role and has the master Routing Engine. Another member switch is assigned the backup role and has the backup Routing Engine. Graceful Routing Engine switchover (GRES) enables the master and backup Routing Engines in a Virtual Chassis configuration to switch from the master to backup without interruption to packet forwarding. When you configure graceful Routing Engine switchover, the backup Routing Engine automatically synchronizes with the master Routing Engine to preserve kernel state information and forwarding state.

To set up a Virtual Chassis configuration to use graceful Routing Engine switchover (GRES):

1. Set up a minimum of two EX 4200 switches in a Virtual Chassis configuration with mastership priority of 255:

```
[edit]
user@switch# set virtual-chassis member 0 mastership-priority 255
```

```
[edit]
user@switch# set virtual-chassis member 1 mastership-priority 255
```

2. Set up graceful Routing Engine switchover:

```
[edit]
user@switch# set chassis redundancy graceful-switchover
```

Commit the configuration.

- Related Topics**
- Example: Configuring a Virtual Chassis with a Master and Backup in a Single Wiring Closet
  - Configuring a Virtual Chassis (CLI Procedure)
  - Configuring a Virtual Chassis (J-Web Procedure)
  - High Availability Features for EX-series Switches Overview
  - Understanding Virtual Chassis Configuration
  - For more information in graceful Routing Engine switchover, see the *JUNOS Software High Availability Configuration Guide* at <http://www.juniper.net/techpubs/software/junos/junos94/index.html>.

