

Example: Configuration for a Database Community

A community of Juniper Networks databases lets you set up redundancy for client applications that connect to these databases.

This sample configuration describes the tasks for configuring Juniper Networks databases on C-series Controllers:

- Requirements on page 1
- Overview and Sample Topology on page 1
- Configuration on page 2

Requirements

Software

Minimum SRC Release 1.0.0

Hardware

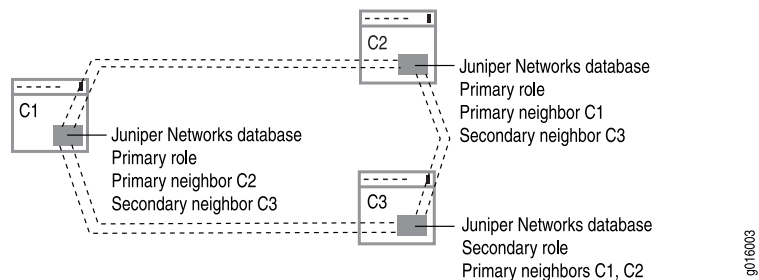
C2000 or C4000

Overview and Sample Topology

You configure a number of Juniper Networks databases as members of a community to protect data by replicating data from one database to another, and by specifying relationships between databases to support failover if a database that has the primary role for a set of applications becomes inoperable. This example uses C1 and C2 as databases that have a primary role, and C3 as a database that has a secondary role.

Figure 1 on page 1 shows the sample configuration.

Figure 1: Sample Community of Juniper Network Databases



The following configuration shows the configuration statements for databases shown in Figure 1 on page 1.

Configuration

Configuring C1

CLI Quick Configuration To quickly configure a Juniper Networks database, copy the following commands into a text editor, and modify them; then load the configuration from the file.

```
[edit]
set system ldap server community role primary
set system ldap server community primary-neighbors C2
set system ldap server community secondary-neighbors C3
```

Step-by-Step Procedure To configure the C1 system:

1. From configuration mode, access the configuration statement that configures the Juniper Networks database in community mode.

```
[edit]
user@C1# edit system ldap server community
```

2. Specify the database role as primary.

```
[edit system ldap server community]
user@C1# set role primary
```

3. Specify primary neighbors.

```
[edit system ldap server community]
user@C1# set primary-neighbors C2
```

4. Specify secondary neighbors.

```
[edit system ldap server community]
user@C1# set secondary-neighbors C3
```

Configuring C2

CLI Quick Configuration To customize the configuration example for your needs, copy the following commands into a text editor, and modify them; then load the configuration from the file.

```
[edit]
set system ldap server community role primary
set system ldap server community primary-neighbors C1
set system ldap server community secondary-neighbors C3
```

Step-by-Step Procedure To configure the C2 system:

1. From configuration mode, access the configuration statement that configures the Juniper Networks database in community mode.

```
[edit]
```

```
user@C2# edit system ldap server community
```

2. Specify the database role as primary.

```
[edit system ldap server community]  
user@C2# set role primary
```

3. Specify primary neighbors.

```
[edit system ldap server community]  
user@C2# set primary-neighbors C1
```

4. Specify secondary neighbors.

```
[edit system ldap server community]  
user@C2# set secondary-neighbors C3
```

Configuring C3

CLI Quick Configuration To customize the configuration example for your needs, copy the following commands into a text editor, and modify them; then load the configuration from the file.

```
[edit]  
set system ldap server community role secondary  
set system ldap server community primary-neighbors C1 C2
```

Step-by-Step Procedure To configure the C3 system:

1. From configuration mode, access the configuration statement that configures the Juniper Networks database in community mode.

```
[edit]  
user@C3# edit system ldap server community
```

2. Specify the database role as primary.

```
[edit system ldap server community]  
user@C3# set role secondary
```

3. Specify primary neighbors.

```
[edit system ldap server community]  
user@C3# set primary-neighbors C1 C2
```

- Related Topics**
- Overview of the Juniper Networks Database
 - Configuration Statements for the Juniper Networks Database (SRC CLI)
 - Enabling the Juniper Networks Database to Run in Community Mode (SRC CLI)

