

Install repmgr

```
sudo yum install -y repmgr
```

Configure PostgreSQL

Edit the **postgresql.conf** file on both nodes (usually located in /var/lib/pgsql/data/ or /var/lib/pgsql/<version>/data/):

At First create archive folder inside data folder

```
# postgresql.conf

listen_addresses = '*'

wal_level = replica

archive_mode = on

archive_command = 'cp %p /var/lib/pgsql/14/data/archive/%f'

max_wal_senders = 10

wal_keep_segments = 32

hot_standby = on
```

Edit the **pg_hba.conf** file on all nodes to allow replication:

#	TYPE	DATABASE	USER	ADDRESS	METHOD
# "local" is for Unix domain socket connections only					
	local	all	all		trust
# IPv4 local connections:					
	host	repmgr	repmgr	<primary ip>/32	trust
	host	repmgr	repmgr	<standby ip>/32	trust
	host	all	all	127.0.0.1/32	trust
# IPv6 local connections:					

```
host all all ::1/128 trust  
  
# Allow replication connections from localhost, by a user with the  
# replication privilege.  
  
local replication all trust  
  
host replication all 127.0.0.1/32 trust  
  
host replication all ::1/128 trust  
  
host replication repmgr <primary ip>/32 trust  
  
host replication repmgr <standby ip>/32 trust
```

Create repmgr User

Create the **repmgr** user and database on the **primary node**:

```
CREATE USER repmgr WITH SUPERUSER PASSWORD 'your_password';  
  
CREATE DATABASE repmgr;  
  
GRANT ALL PRIVILEGES ON DATABASE repmgr TO repmgr;  
  
\q
```

Configure repmgr

Edit the **repmgr** configuration file (repmgr.conf) on all nodes. The location is usually /etc/repmgr/<version>/:

Primary Node

```
node_id=1  
  
node_name=node1  
  
conninfo='host=primary-IP user=repmgr dbname=repmgr  
password=your_password'  
  
data_directory='/var/lib/pgsql/14/data'  
  
log_level=INFO
```

Standby Node

```
node_id=2  
  
node_name=node2  
  
conninfo='host=standby-IP user=repmgr dbname=repmgr  
password=your_password'  
  
data_directory='/var/lib/pgsql/data'  
  
log_level=INFO
```

Shut down firewall on both servers

```
sudo firewall-cmd --add-service=postgresql --permanent  
  
sudo firewall-cmd --reload
```

```
sudo firewall-cmd --add-port=5432/tcp --permanent  
  
sudo firewall-cmd --reload
```

Register Primary Node

On the primary node, register the primary server (Make sure you've set bash profile on both servers):

```
repmgr -f /etc/repmgr/14/repmgr.conf primary register
```

Clone and Register Standby Node

On the standby node, clone the primary and register the standby server:

```
repmgr -h primary-IP -U repmgr -d repmgr -D /var/lib/pgsql/14/data standby clone  
  
pg_ctl start -D /var/lib/pgsql/14/data/  
  
repmgr -f /etc/repmgr/14/repmgr.conf standby register
```