

# 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/postgresql/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
```