

Install PostgreSQL 16.9 on CentOS 8

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1. Disable Built-in PostgreSQL Module

```
sudo dnf -qy module disable postgresql
```

2. Add Official PostgreSQL (PGDG) Repo

```
sudo dnf install -y https://download.postgresql.org/pub/repos/yum/reporpms/EL-8-x86_64/pgdg-redhat-repo-latest.noarch.rpm
```

3. Install PostgreSQL 16

```
sudo dnf install -y postgresql16 postgresql16-server
```

4. Initialize PostgreSQL Database

```
sudo /usr/pgsql-16/bin/postgresql-16-setup initdb
```

5. Start & Enable PostgreSQL Service

```
sudo systemctl enable --now postgresql-16
```

6. Verify Version

```
psql --version
```

7. Enable Remote Access (Optional)

Edit `postgresql.conf`:

```
sudo nano /var/lib/pgsql/16/data/postgresql.conf
```

Change:

```
listen_addresses = '*'
```

Edit `pg_hba.conf`:

```
sudo nano /var/lib/pgsql/16/data/pg_hba.conf
```

Add:

```
host    all    all    0.0.0.0/0    md5
```

or

host	all	postgres	0.0.0.0/0	md5
host	replication	debezium	0.0.0.0/0	md5
host	all	debezium	0.0.0.0/0	md5

Restart:

```
sudo systemctl restart postgresql-16
```

8. Open Firewall Port (Optional)

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

9. Create User & Database

```
sudo -i -u postgres  
createuser debezium -P  
createdb mydb -O debezium  
exit
```

PostgreSQL 16.9 is now installed successfully.