



# **i want to create an instance in aws using red hat and i want to install postgresql 17 in it so tell me the steps to do it clearly**

Here are the clear steps to create an AWS EC2 instance with Red Hat and then install PostgreSQL 17 on it:

## **Step 1: Create a Red Hat EC2 Instance on AWS**

### **1. Login to AWS Console**

- Open your browser, go to AWS Management Console, and log in.

### **2. Navigate to EC2 Dashboard**

- Search EC2 in the service search box.
- Go to the EC2 Dashboard → Instances → Launch Instances.

### **3. Choose an AMI (Amazon Machine Image)**

- Search for "Red Hat" and select the desired Red Hat Enterprise Linux version (e.g., RHEL 8 or 9).

### **4. Select Instance Type**

- Choose the instance type depending on your needs. For testing, t2.micro is a free-tier option.

### **5. Configure Key Pair**

- Create a new key pair or use an existing one to SSH into your EC2 instance.
- Download and save the key pair (.pem file) securely.

### **6. Configure Instance Details and Security Group**

- Set network, storage, and other settings as per your requirement.
- In the security group, allow inbound SSH (port 22).
- Also allow port 5432 for PostgreSQL if you plan to access it remotely.

### **7. Launch the Instance**

- Review and launch the instance.
- Once running, get the public IP address for SSH connection.

### **8. Connect to the Instance**

- Use SSH from your terminal:

```
ssh -i "your-key.pem" ec2-user@your-instance-public-ip
```

## Step 2: Install PostgreSQL 17 on Red Hat EC2 Instance

### 1. Add PostgreSQL Repository

```
sudo dnf install -y https://download.postgresql.org/pub/repos/yum/reposrpm/EL-9-x86_64
```

### 2. Disable the Default PostgreSQL Module

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

### 3. Install PostgreSQL 17 Server

```
sudo dnf install -y postgresql17-server
```

### 4. Initialize the PostgreSQL Database

```
sudo /usr/pgsql-17/bin/postgresql-17-setup initdb
```

### 5. Enable and Start PostgreSQL Service

```
sudo systemctl enable postgresql-17  
sudo systemctl start postgresql-17
```

### 6. Verify PostgreSQL is Running

```
sudo systemctl status postgresql-17
```

### 7. Optional: Allow Remote Access

- Edit `postgresql.conf` and `pg_hba.conf` to allow remote connections if needed, then restart PostgreSQL.

These steps will create a Red Hat instance on AWS and install PostgreSQL 17 on it securely and correctly. [\[1\]](#) [\[2\]](#) [\[3\]](#)

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1. <https://www.geeksforgeeks.org/cloud-computing/how-to-create-redhat-ec2-instance-in-aws/>

2. <https://www.tigerdata.com/learn/how-to-install-postgresql-on-linux>

3. <https://cloudspinx.com/install-postgresql-17-on-rocky-almalinux-centos/>

4. [https://docs.redhat.com/en/documentation/red\\_hat\\_enterprise\\_linux/8/html-single/deploying\\_rhel\\_8\\_on\\_amazon\\_web\\_services/index](https://docs.redhat.com/en/documentation/red_hat_enterprise_linux/8/html-single/deploying_rhel_8_on_amazon_web_services/index)

5. <https://byte-way.com/2024/12/11/compiling-and-installing-postgresql-from-source-on-red-hat/>

6. <https://docs.aws.amazon.com/codedeploy/latest/userguide/tutorials-wordpress-launch-instance.html>

7. <https://aws.amazon.com/partners/redhat/faqs/>

8. [https://docs.redhat.com/en/documentation/red\\_hat\\_enterprise\\_linux/9/html/deploying\\_rhel\\_9\\_on\\_amazon\\_web\\_services/assembly\\_deploying-a-virtual-machine-on-aws\\_cloud-content-aws](https://docs.redhat.com/en/documentation/red_hat_enterprise_linux/9/html/deploying_rhel_9_on_amazon_web_services/assembly_deploying-a-virtual-machine-on-aws_cloud-content-aws)
9. <https://aws.plainenglish.io/installing-an-ec2-instance-with-red-hat-from-the-aws-console-cli-5fde475d65d4>
10. <https://www.youtube.com/watch?v=AXxmOvM6Tig>
11. <https://stormatics.tech/blogs/offline-postgresql-installation-on-rhel-9-solving-the-no-internet-challenge>