Privaclave AWS Deployment Manual

Pre-requisites:

Create an EC2 instance of at least t3.medium configuration with Red Hat Enterprise Linux.

Step 1: Prepare the Setup

• Gain root access:

```
bash
sudo -i
```

• Update and install wget

```
sudo yum update -y
sudo yum install -y wget
```

• Install unzip (if not already installed)

```
sudo yum install -y unzip
```

- Download the <u>privaclave_setup_0.0.1</u> zip file
 wget https://github.com/privaclave-internal/privaclave-setup/raw/main/privaclave_setup_0.0.1.zip -O
 privaclave_setup_0.0.1.zip
- Unzip the setup file

```
unzip privaclave_setup_0.0.1.zip
```

• Apply (Read , Write and execute) permission \rightarrow chmod 777 privaclave_setup_0.0.1

Step 2: Configure AWS Credentials

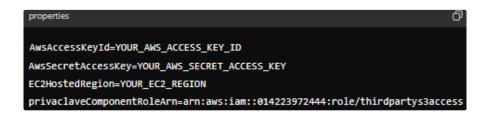
Navigate to the unzipped privaclave_setup_0.0.1 directory

```
cd privaclave_setup_0.0.1
```

· Open AwsConfig.properties file for editing

Type: vi AwsConfig.properties

Press Insert button -> Update the file with your AWS credentials



- * privaclaveComponentRoleArn role is fixed from Privaclave technical team so no need to change that.
- * Press Escape -> :wq (Write and Quit) and save the changes.

Step 3: Obtain AWS Access Key and Secret Access Key

Sign in to the AWS Management Console:

- Open AWS Management Console.
- Sign in with your AWS account credentials.

Navigate to the IAM Console:

In the AWS Management Console, type IAM in the search bar and select IAM.

Select the User:

- In the IAM console, click on Users in the navigation pane.
- Click on the name of the user for whom you want to create access keys.

Create Access Keys:

- · Click on the Security credentials tab.
- Scroll down to the Access keys section.
- · Click on Create access key.
- · A dialog box will appear showing the Access key ID and Secret access key.
- Important: Copy the Secret access key immediately as you will not be able to retrieve it later. Store it securely.

Step 4: Run the Setup Script

· Navigate to the setup directory

cd /home/user/privaclave_setup_0.0.1/

· Run the setup script



This will install the followings

- JDK 1.8.341 : verify installation using 'java -version' command.
- Tomcat Web Server 8.5.100 : It will be installed at lopt/tomcat folder.

Step 5: Install MariaDB

· Run the MariaDB installation script



Step 6: Deploy Privaclave Components

· Run the deployment command



- This will perform the following operations
- Create Lambda functions as per the defined configuration.
- Pull AutoPilot<VERSION_ID>.jar from PRIVACLAVE COMPONENTS BUCKET and upload it to the Lambda function.
- Pull CockpitEngine.war and CockpitAgent.war from <u>PRIVACLAVE COMPONENTS BUCKET</u> and deploy them to the /opt/tomcat/webapps directory.
- Configure Cockpit Engine DB and related DB Configuration.