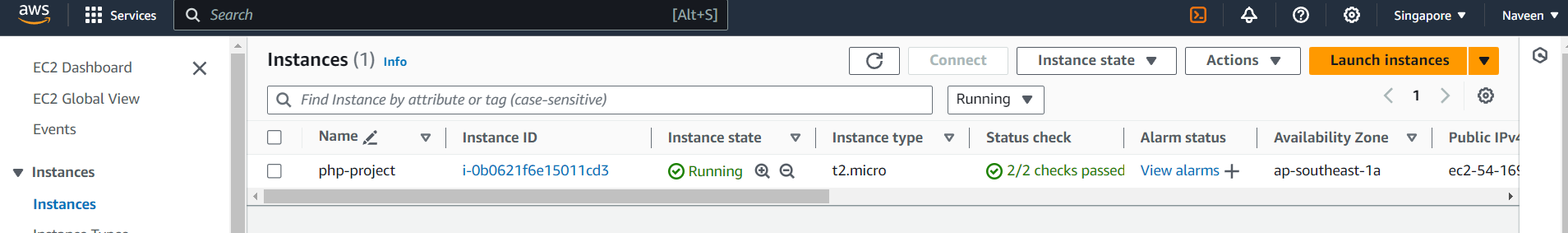
**Dockerize a simple PHP application and deploy it on an AWS EC2 instance. This application will interact with a MySQL database hosted on AWS RDS:**

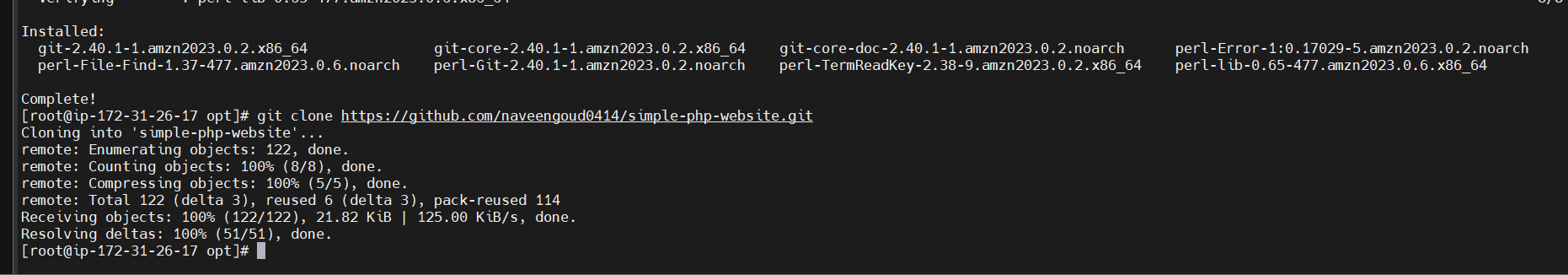
### **1. Create a PHP Web Application:**

1. Creating Ec2 Instance



**Clone a Simple PHP Application from GitHub**:

**git clone** [**https://github.com/naveengoud0414/simple-php-website.git**](https://github.com/naveengoud0414/simple-php-website.git)

****

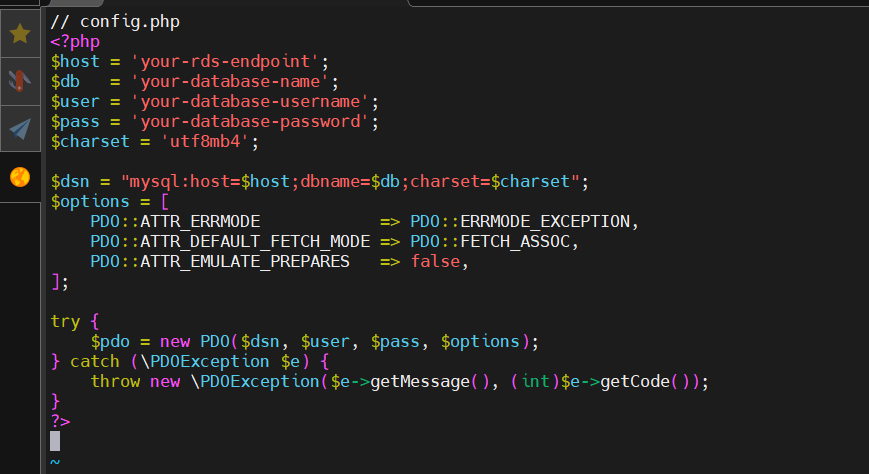
1. **Set Up Project Structure:**

**mkdir simple-php-app**

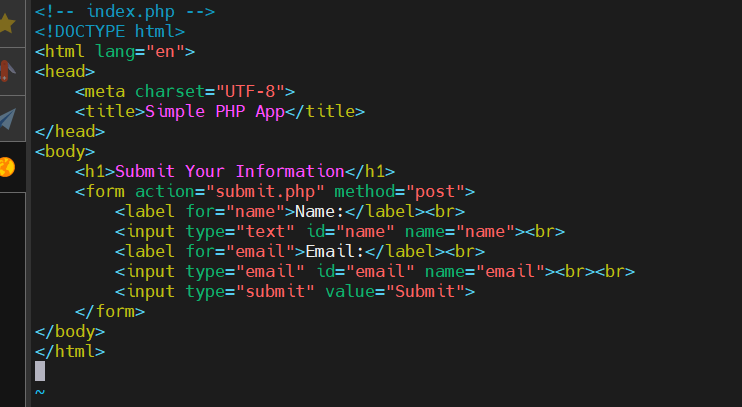
**cd simple-php-app**

**touch index.php submit.php config.php**

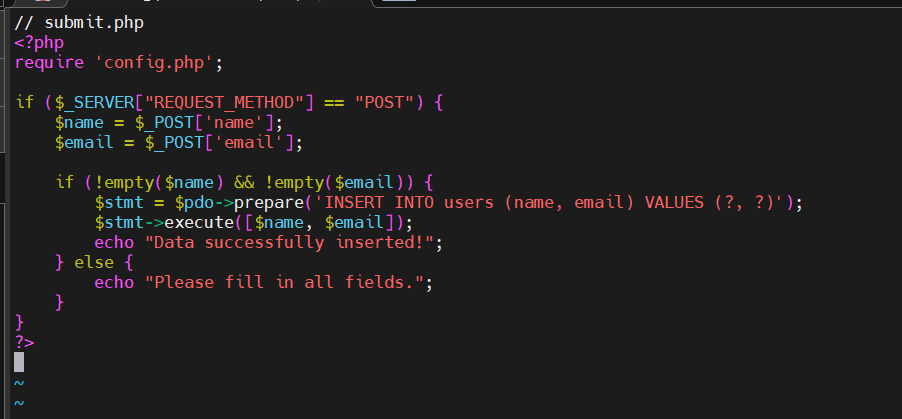
**config.php**

****

**index.php:**

****

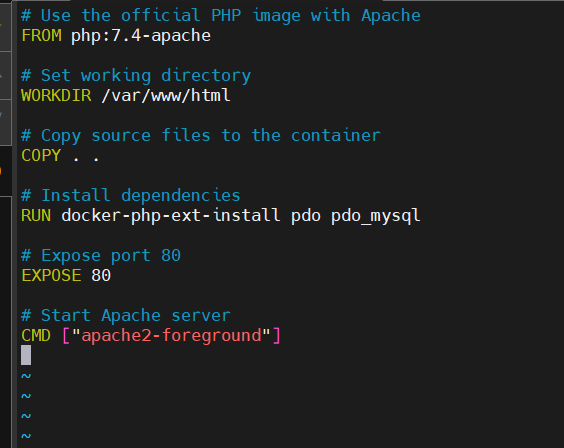
**Submit.php:**

****

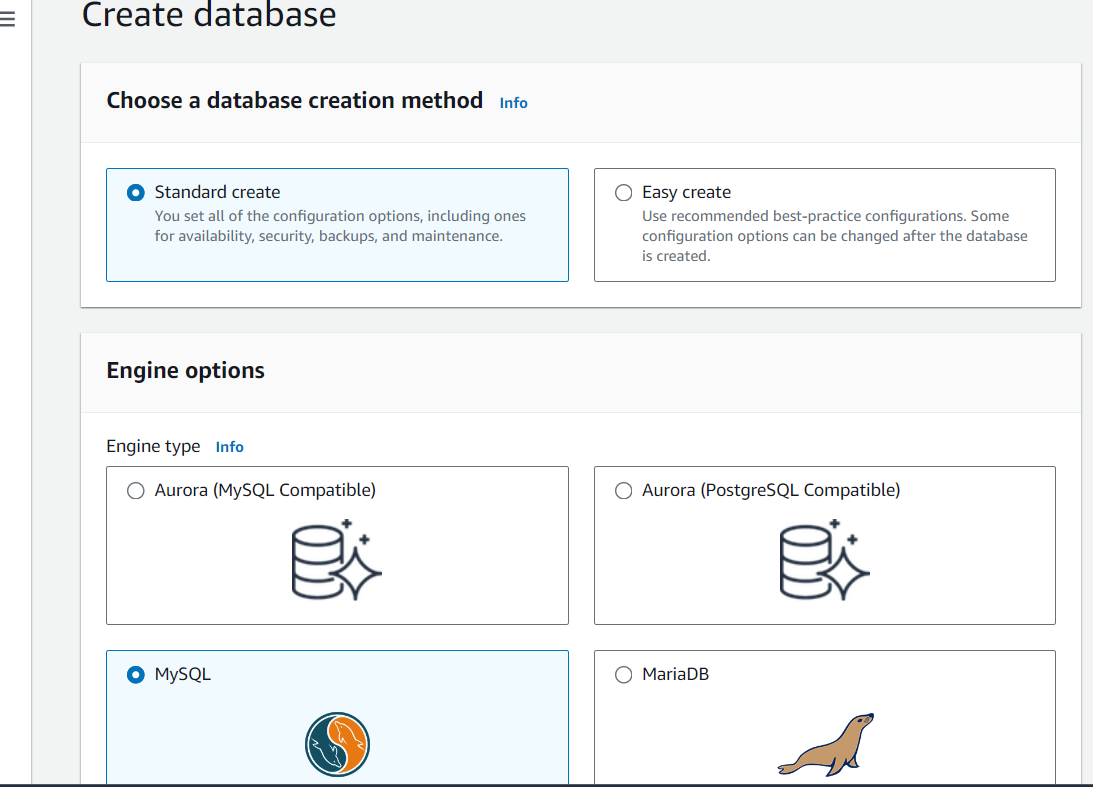
### **4. Dockerize the Application**

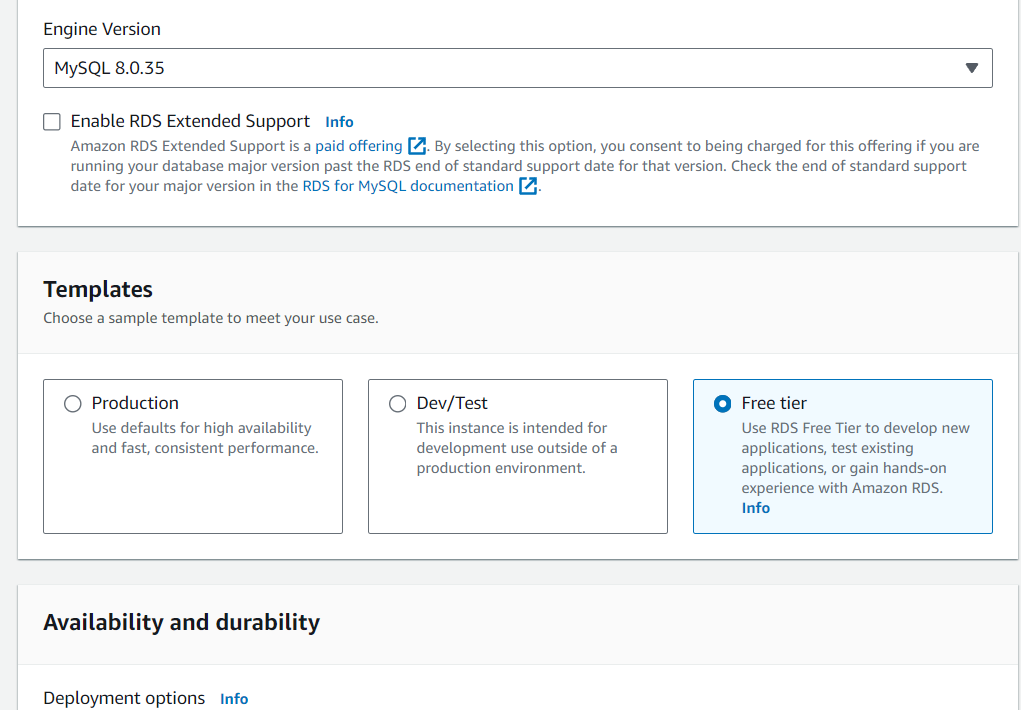
1. Create a Dockerfile:

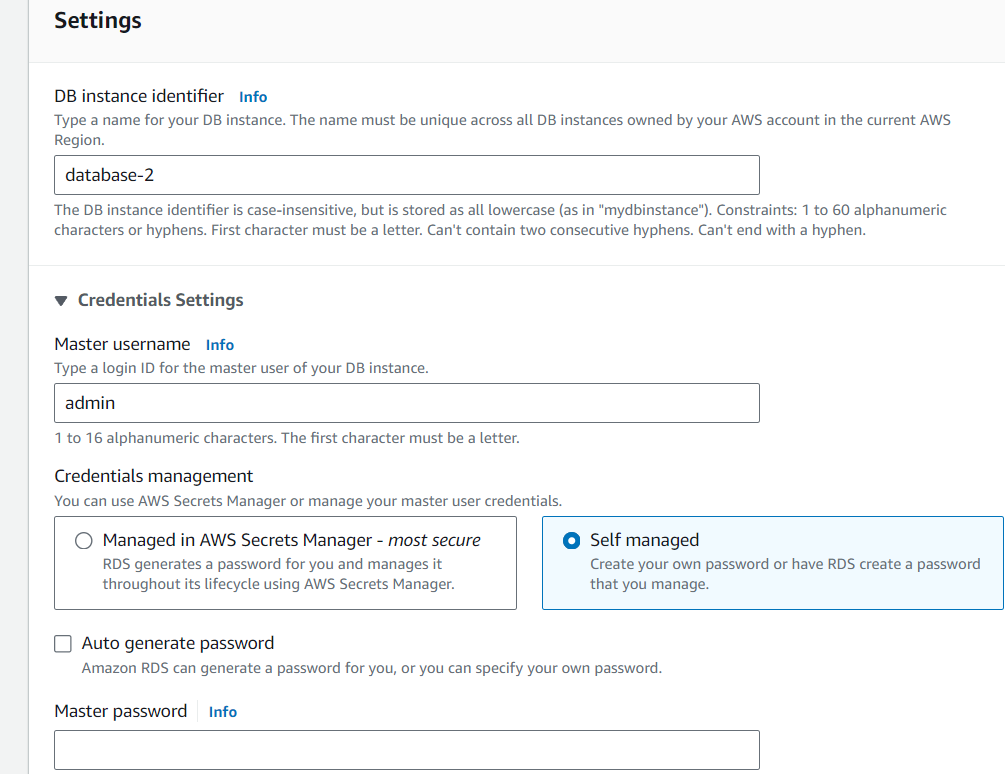
Creating the docker file using official PHP Docker image

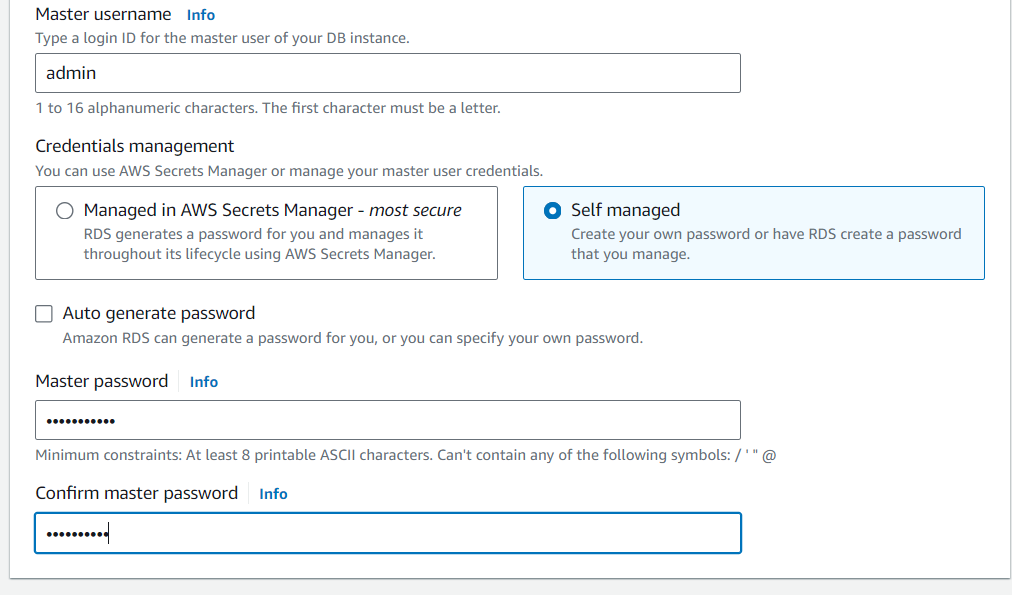


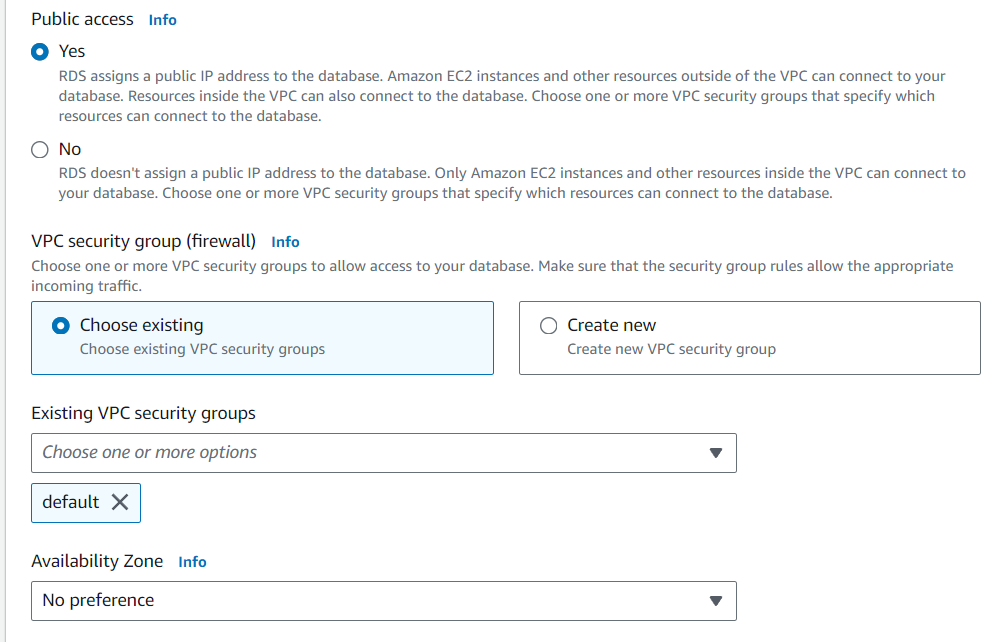
**Set Up MySQL Database on AWS RDS:**

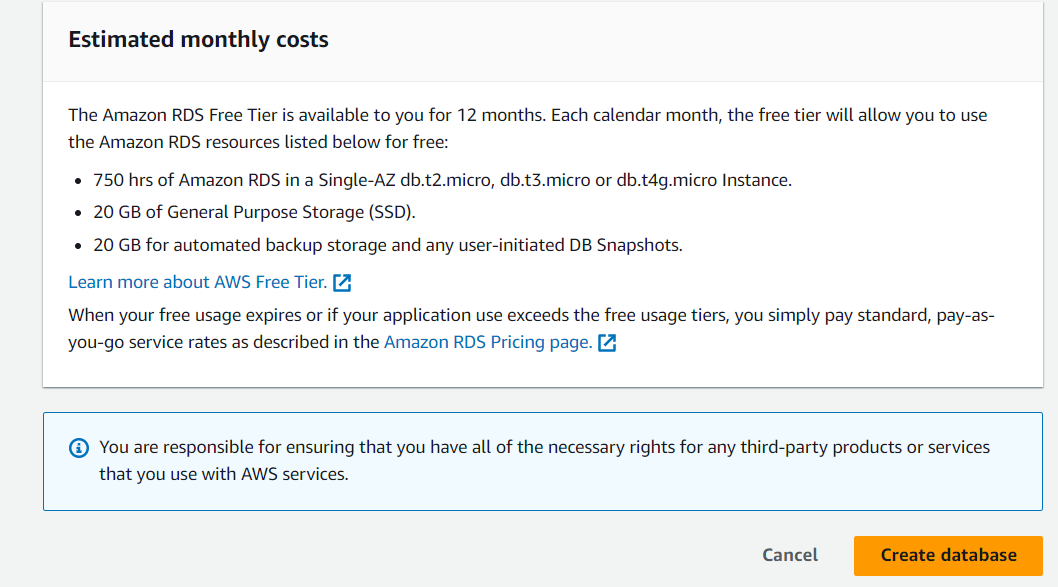
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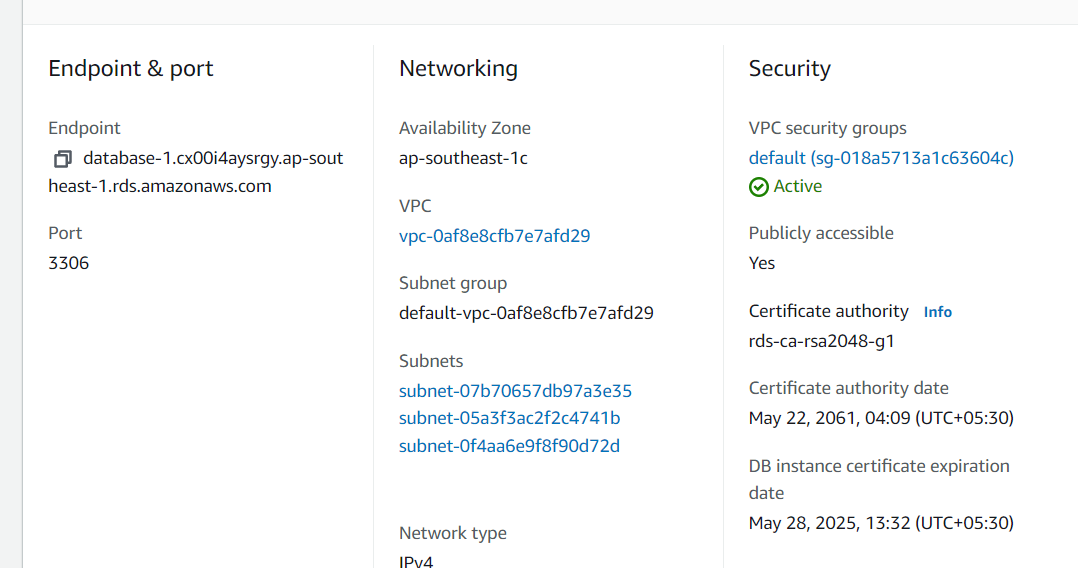
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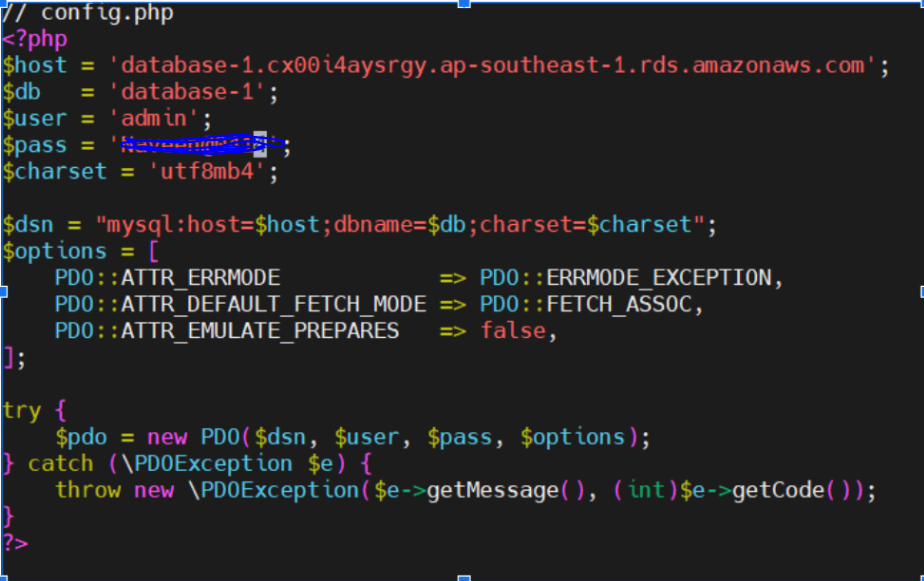
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**After create the Data Base:**

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**Configure the Rds details in to created configurations:**

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**Push to git hub:**

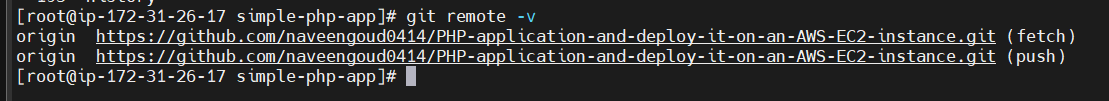
**git init  
 git add .**

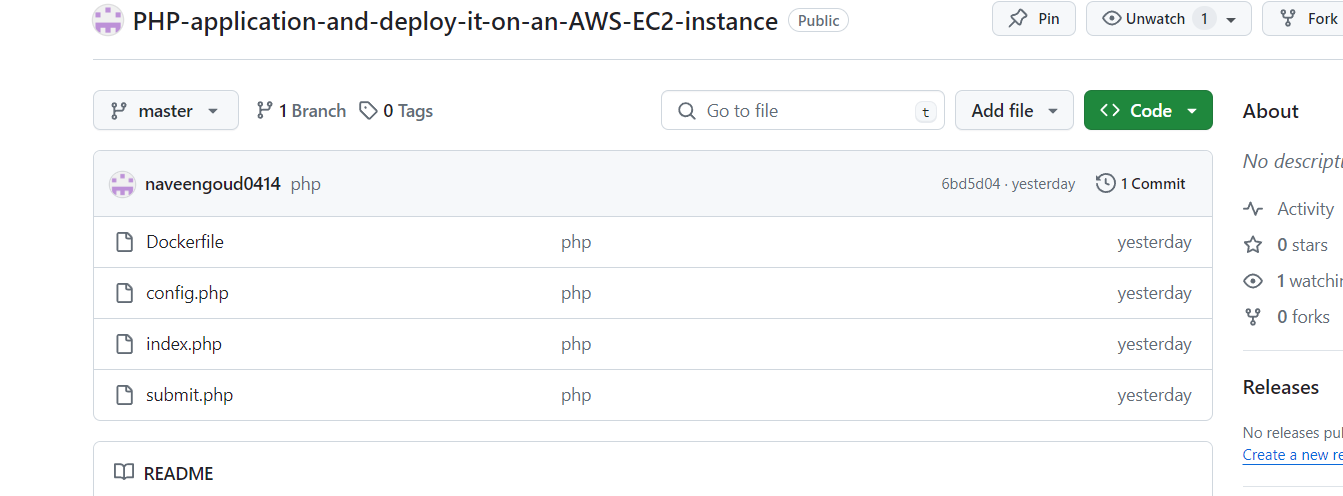
**git commit -m “php”**

**git config - - global user.name “naveen…0414”**

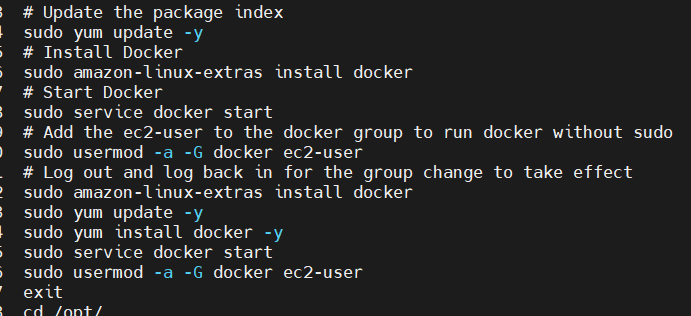
**git config --global user.gmail “**[**naveenarvapalli0414@gmail.com**](mailto:naveenarvapalli0414@gmail.com)**”**

**git remote add origin** [**https://github.com/naveengoud0414/PHP-application-and-deploy-it-on-an-AWS-EC2-instance.git**](https://github.com/naveengoud0414/PHP-application-and-deploy-it-on-an-AWS-EC2-instance.git)

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**git push origin master  
**

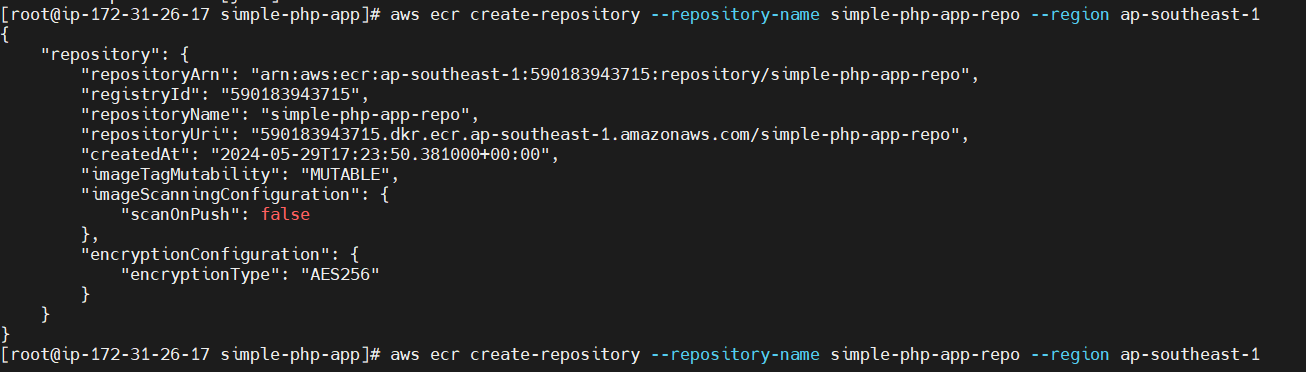
**docker installation:**

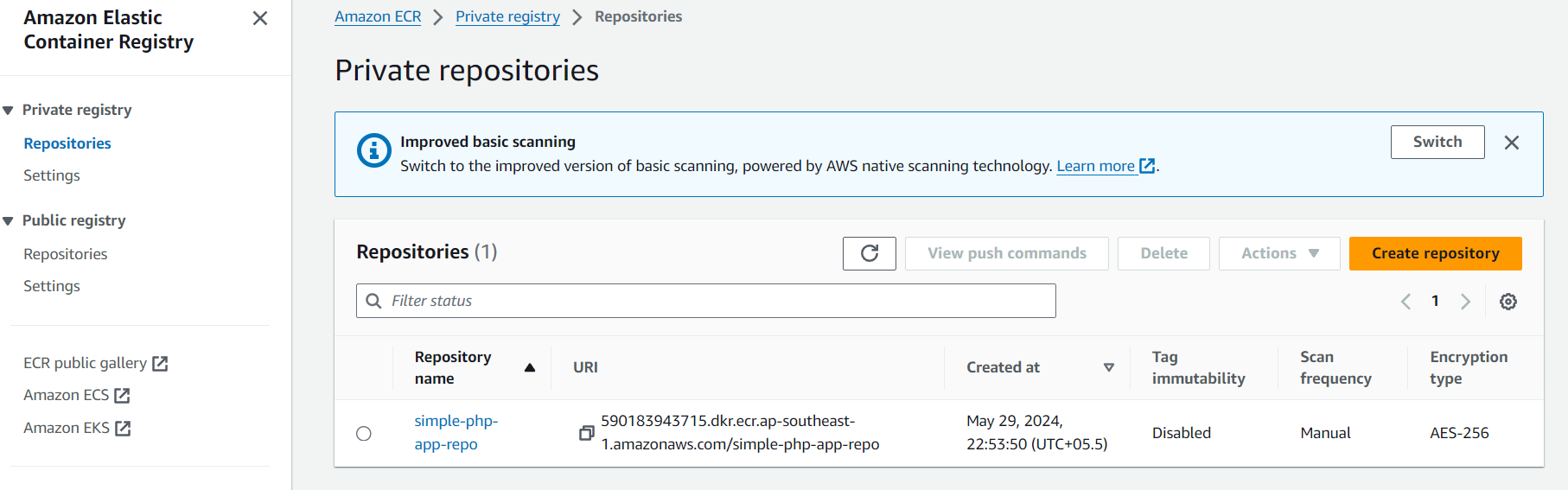
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**Docker compose file:**

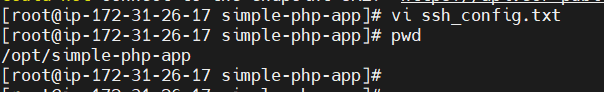
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**Creating ECR by using AWS CLI:**

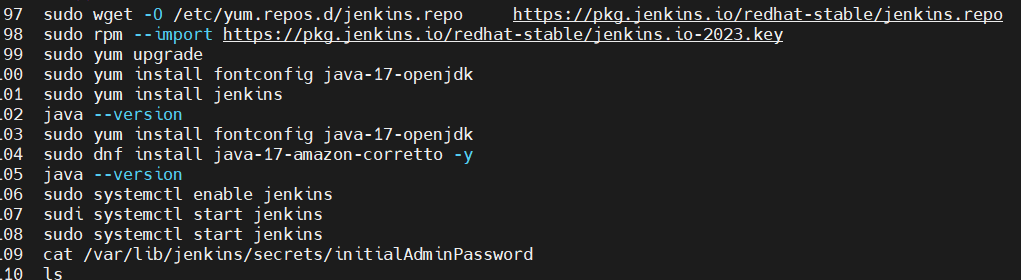
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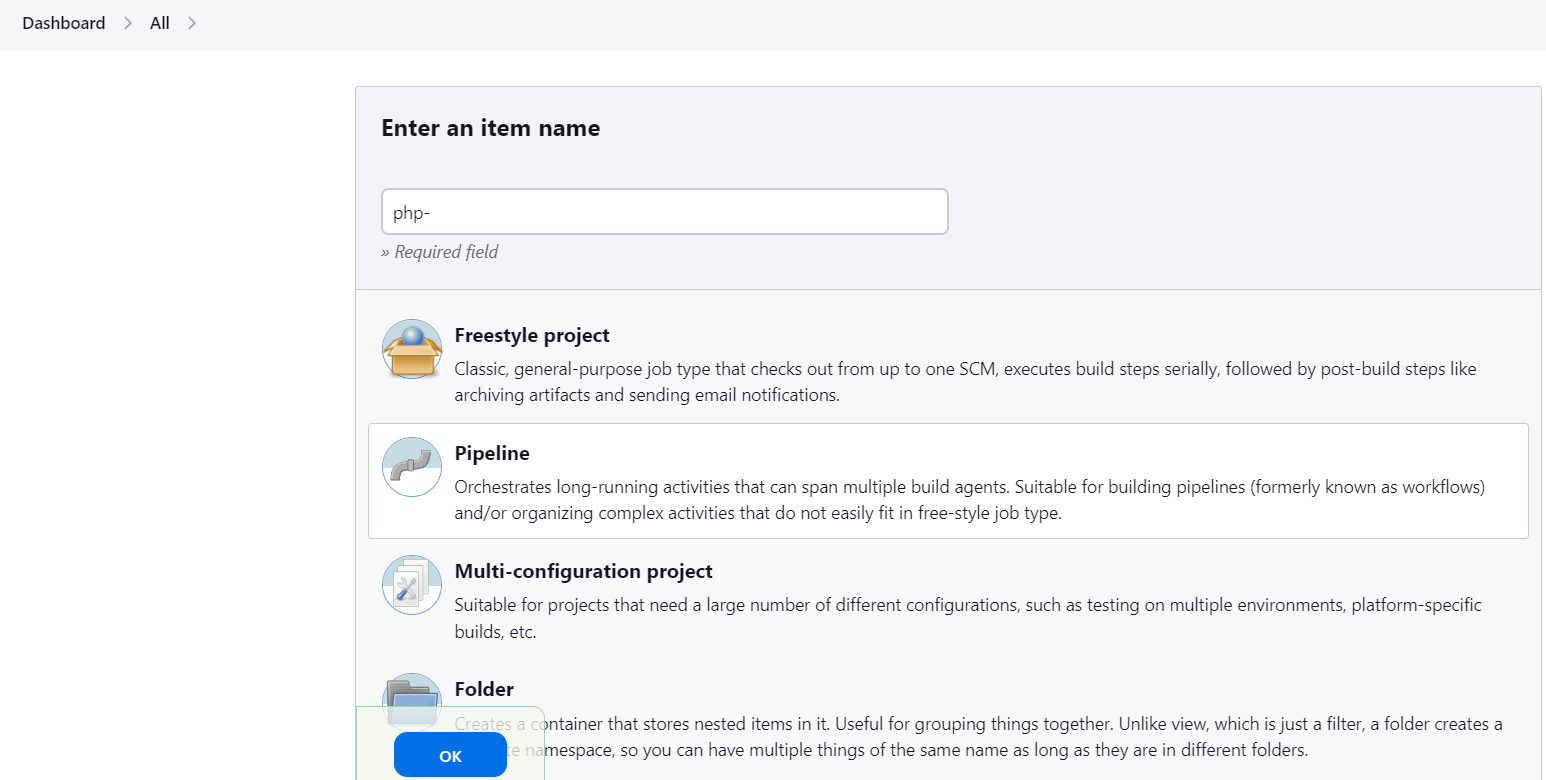
**Configuring the SSH Pem.file:**

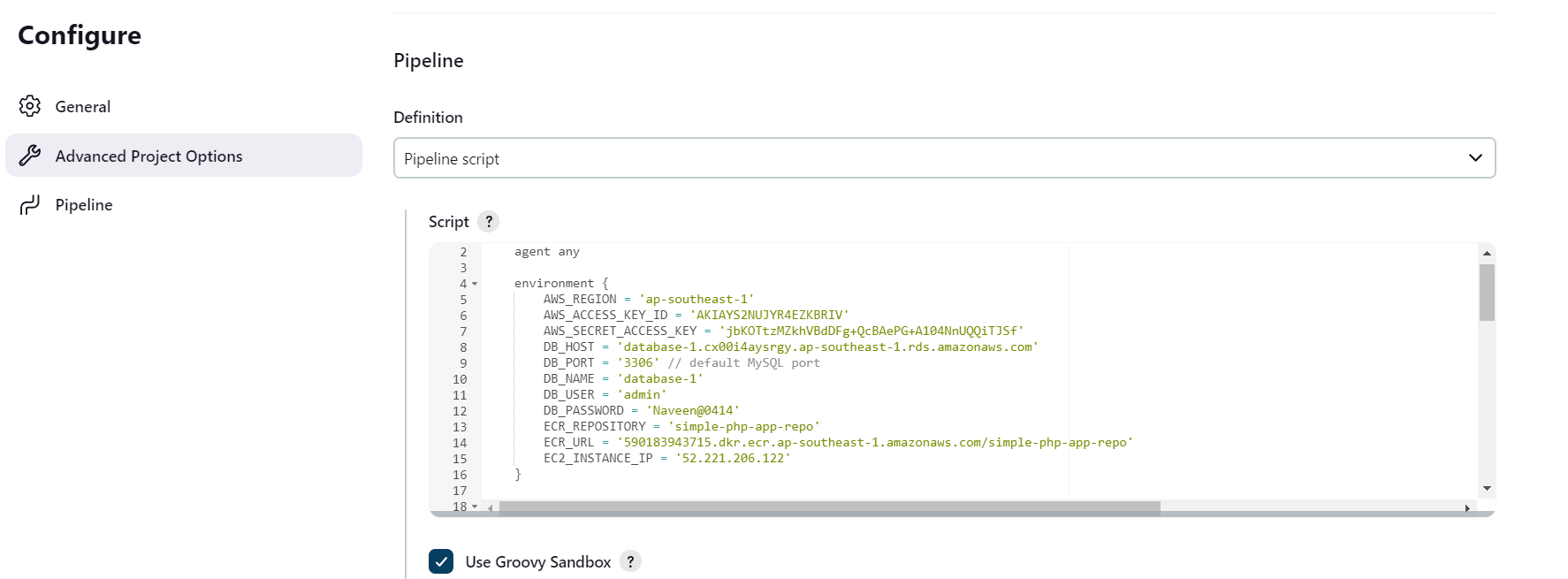
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**Jenkins installation:**

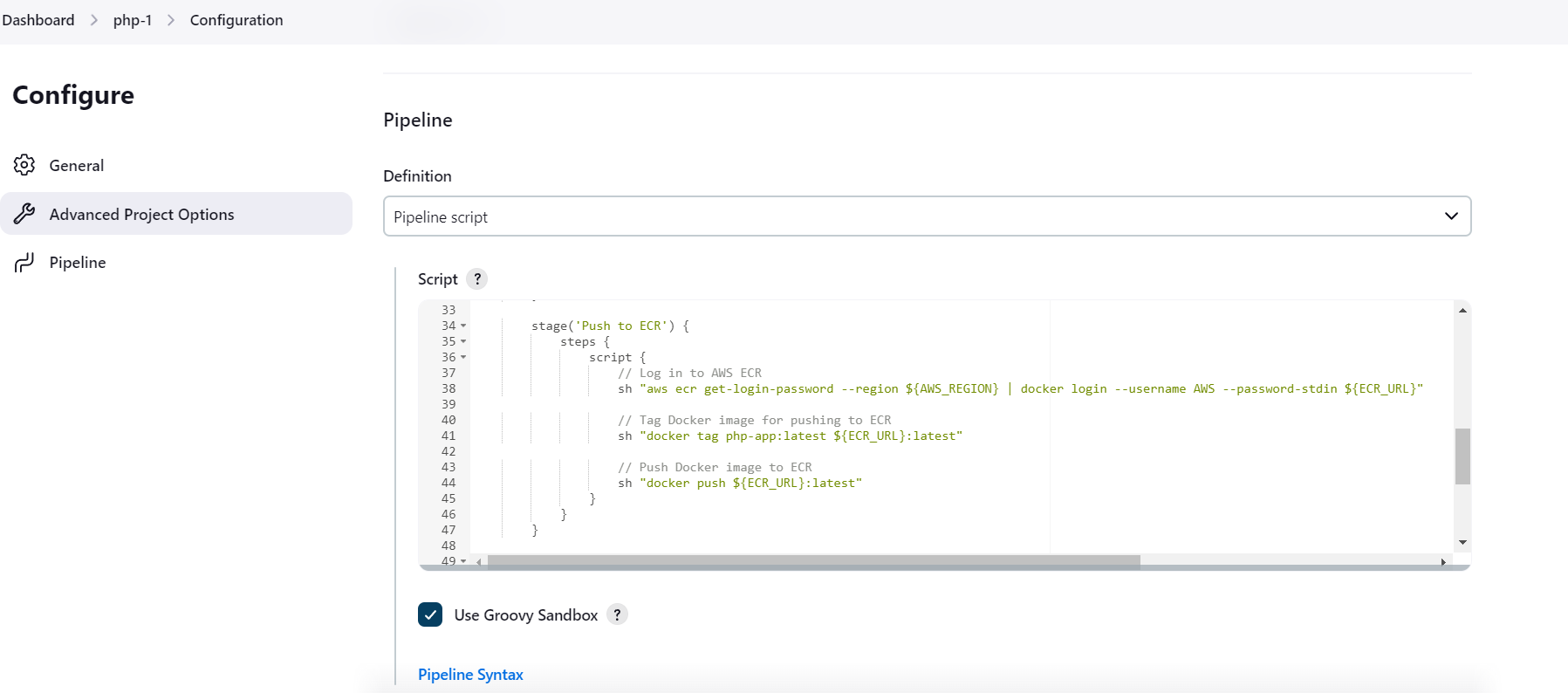
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**Creating Jenkins pipeline and deploy ec2 and ECR:**

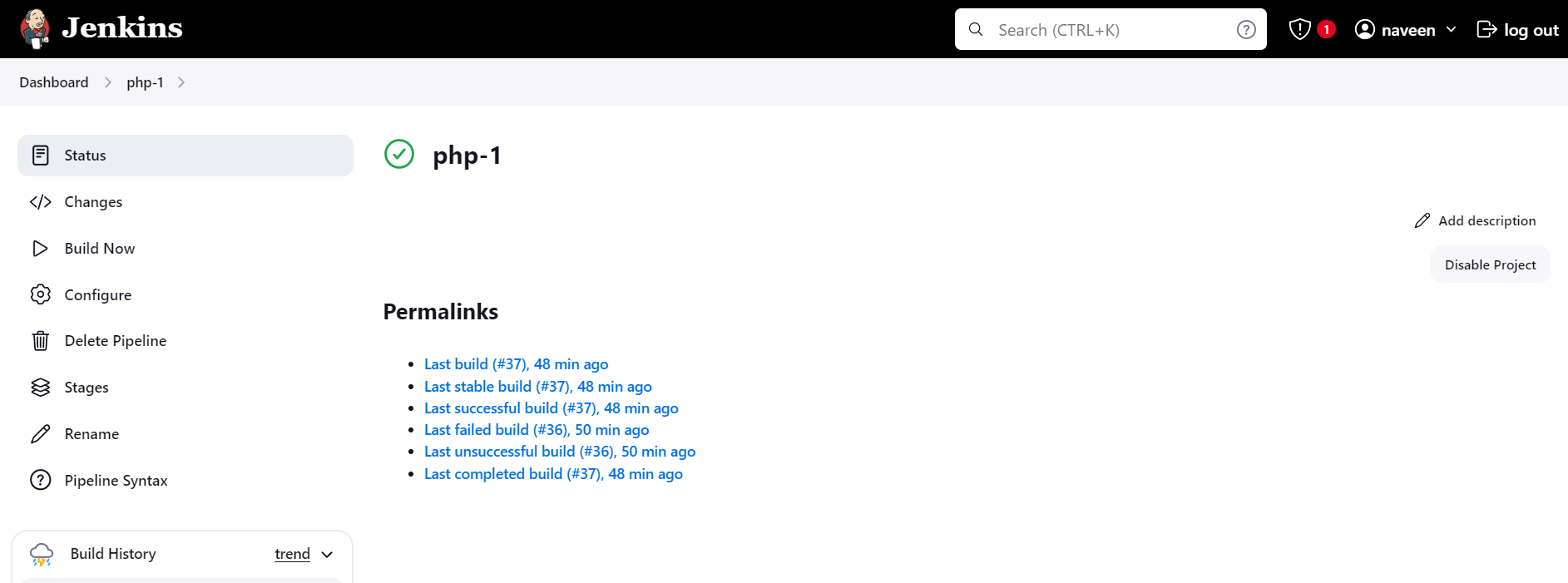
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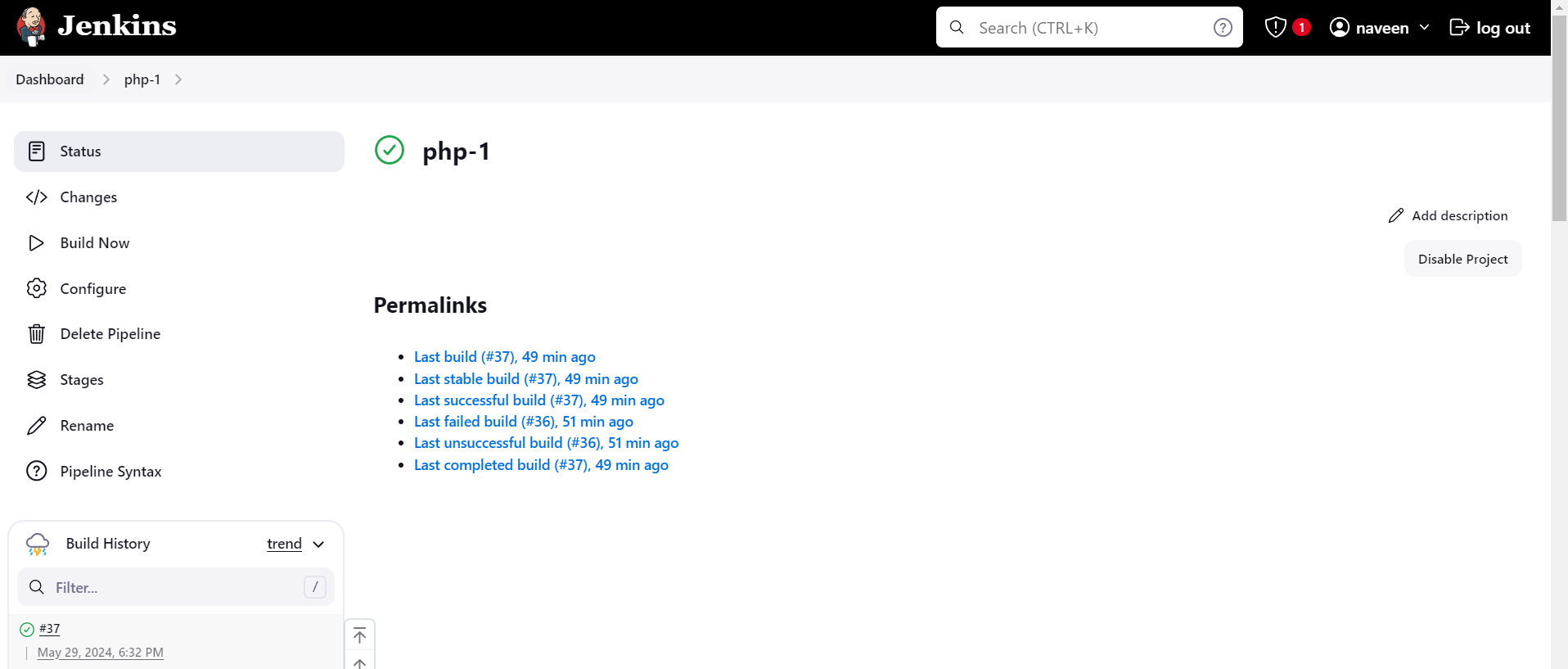
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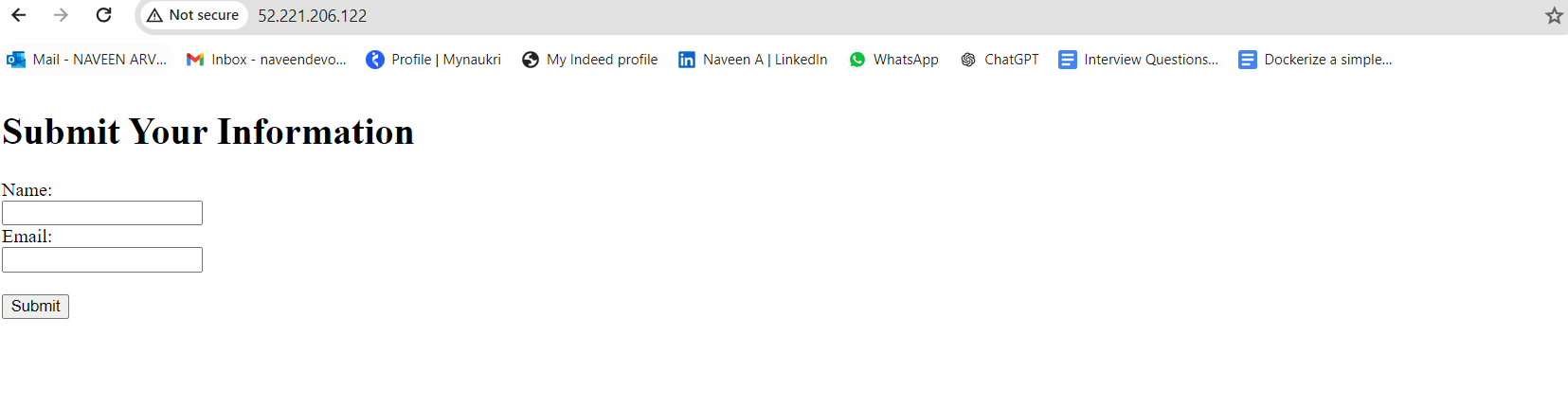
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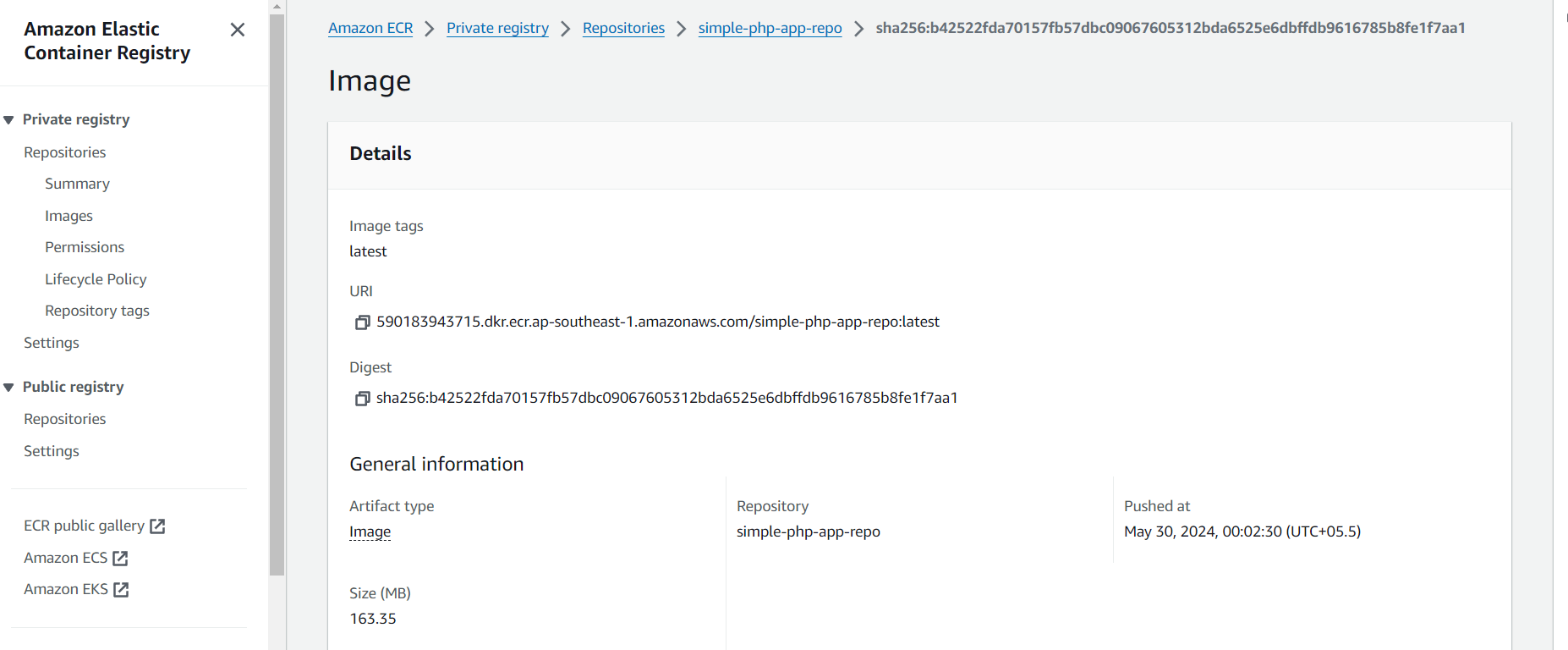
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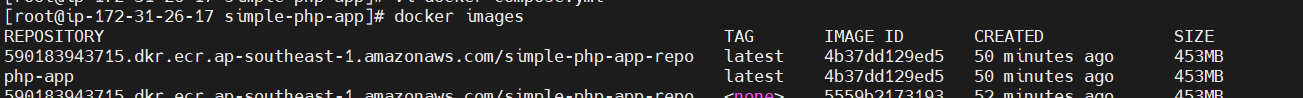
**Successfully deployed ec2:**

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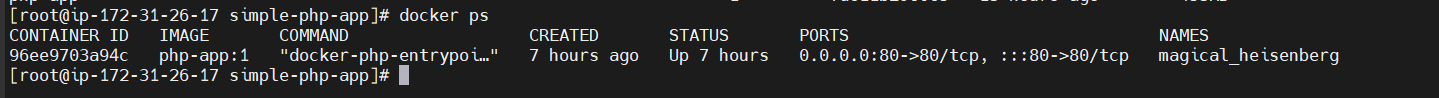
**ECR:**

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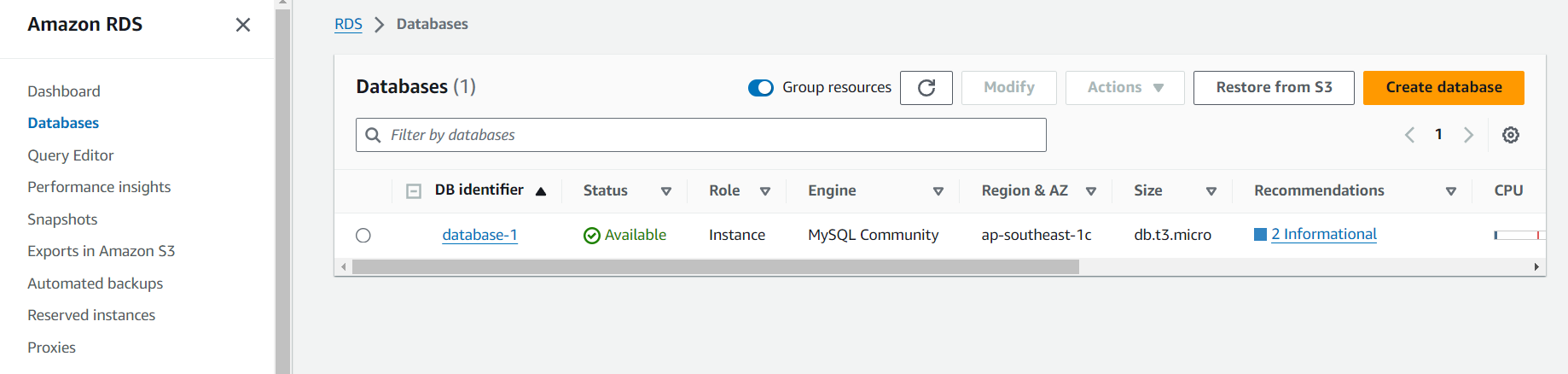
**docker images locally:**

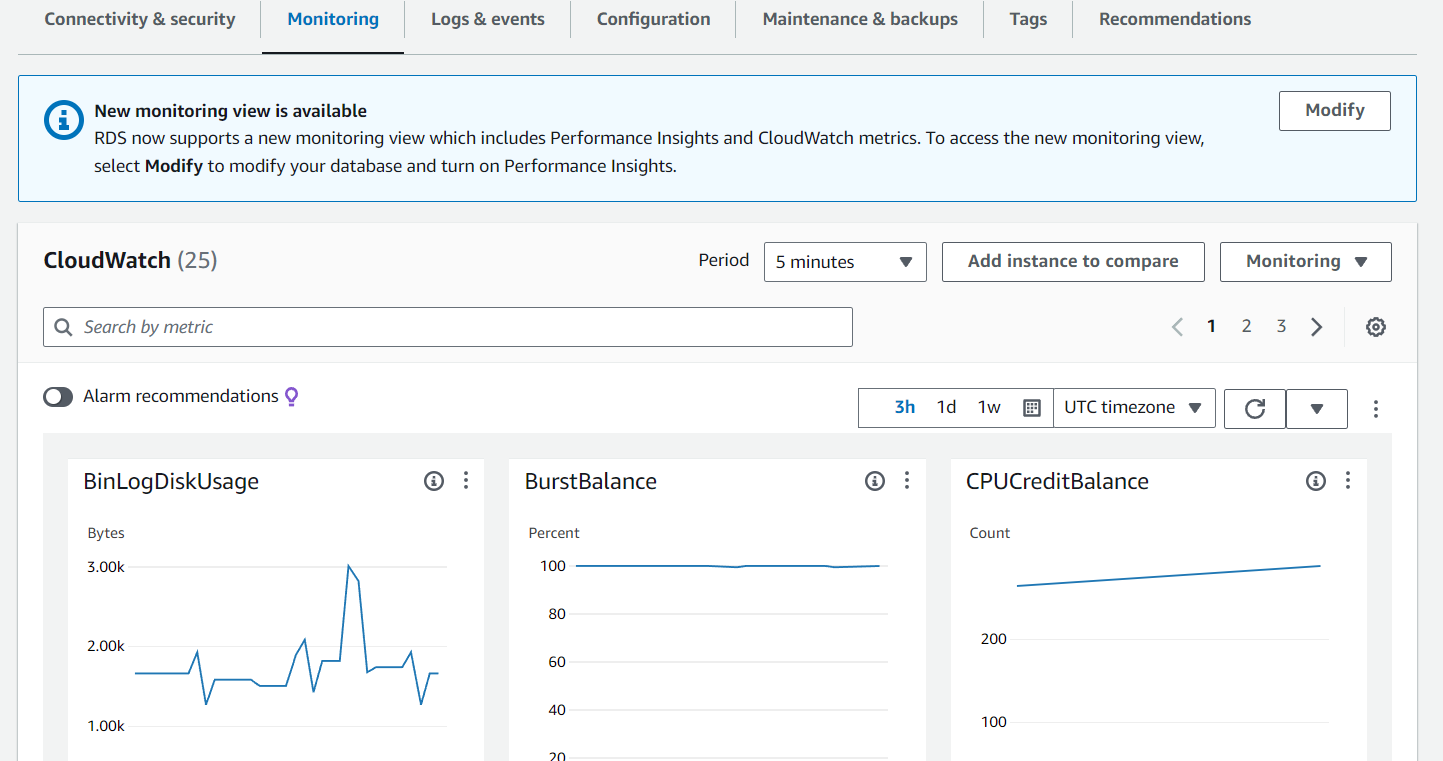
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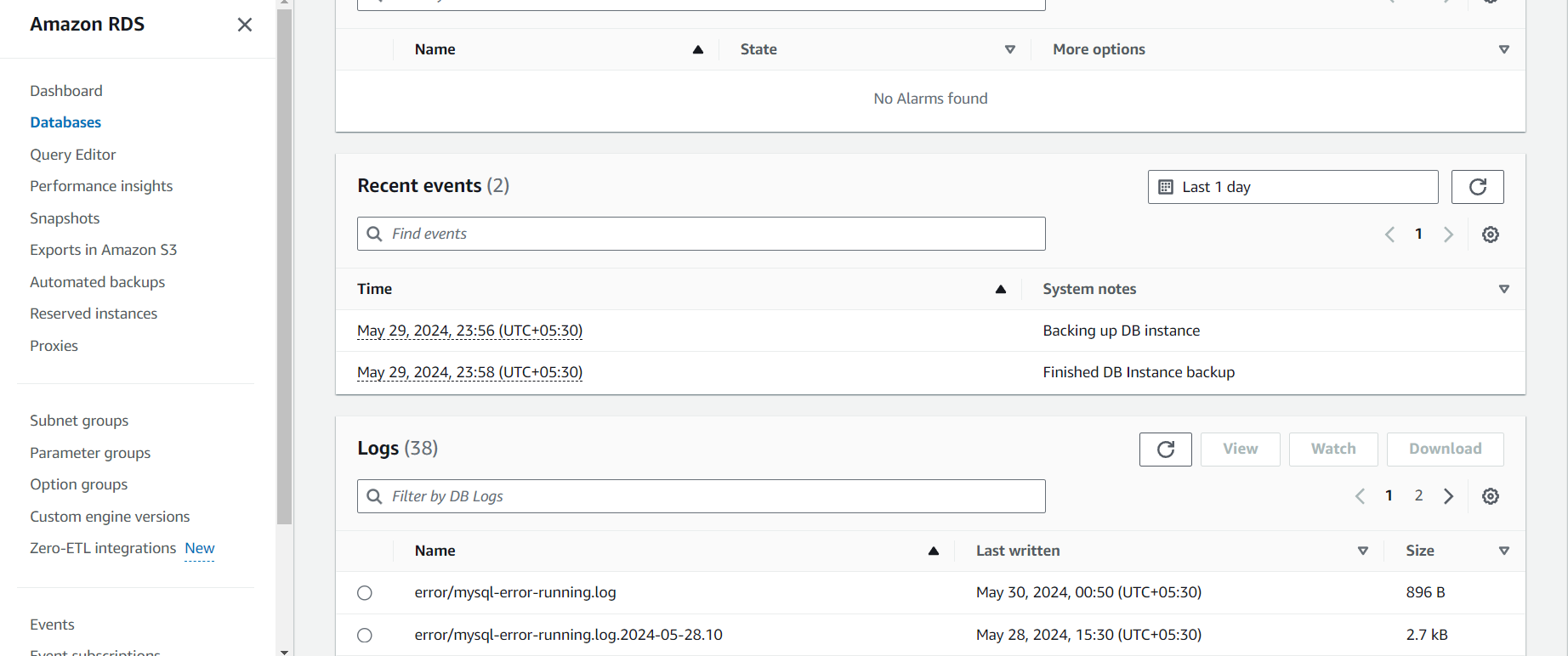
**Docker containers:**

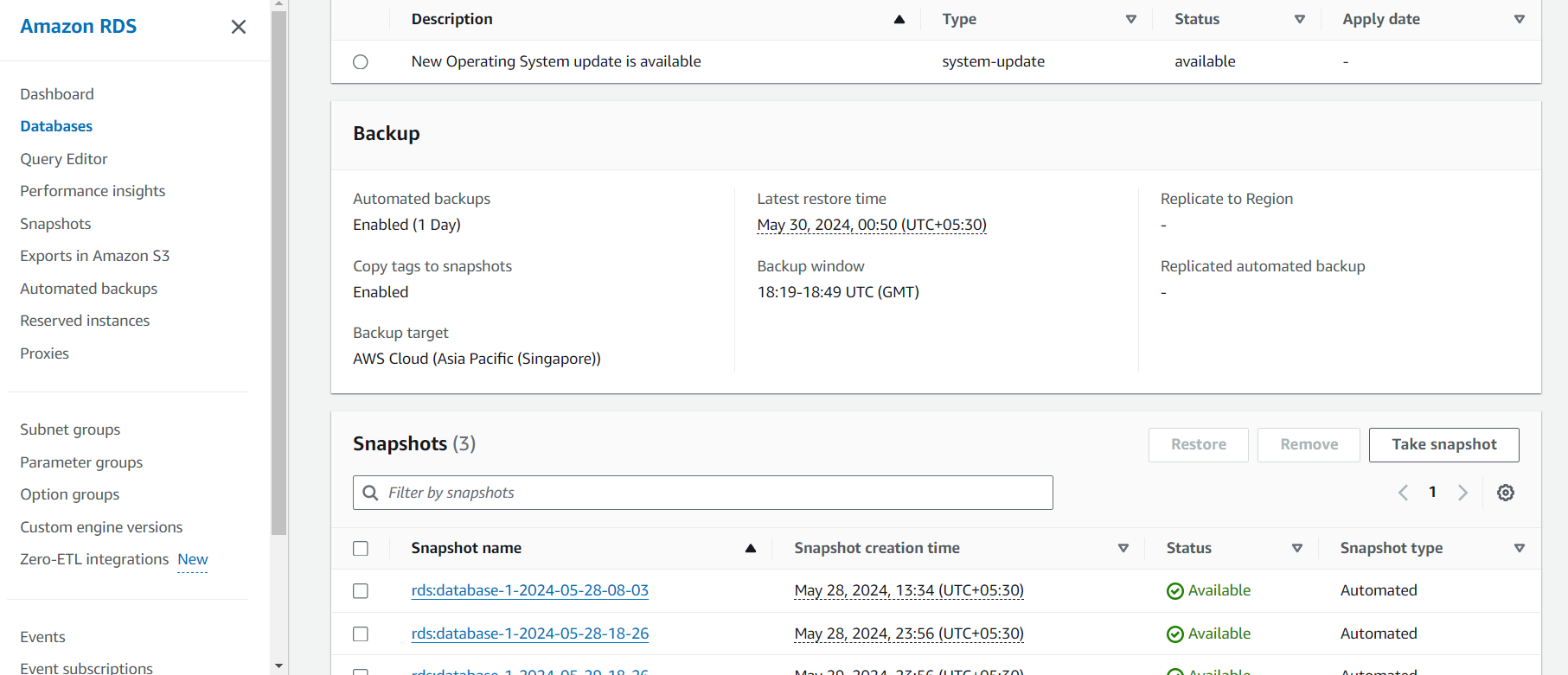
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**AWS RDS:**

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