LAB: Use CodeCommit Repositories in EC2 Instances

You need:

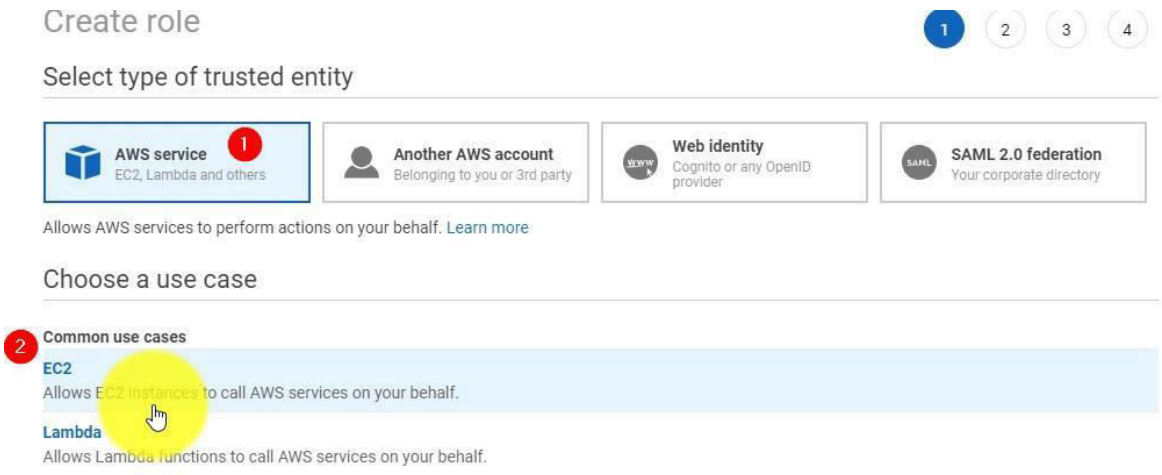
- An AWS Account

Duration of the Lab: 15 Minutes.

Difficulty: easy

Create a new IAM Role

To let EC2 Access the CodeCommit Repository create a new role:



With AWSCodeCommitReadOnly Policy attached

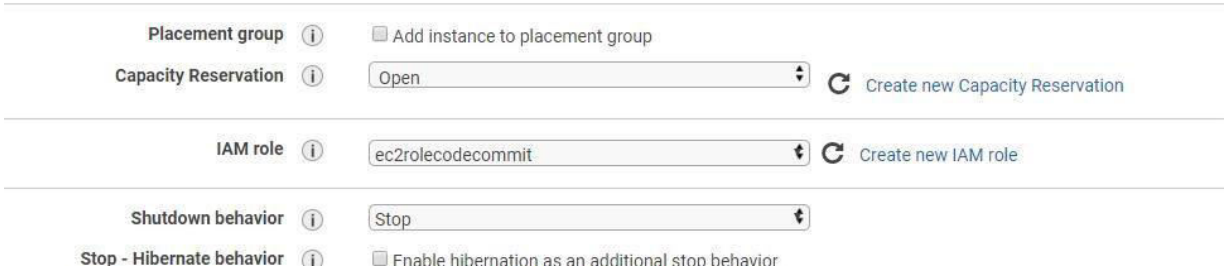
Save this.

Create a new EC2 instance:

Amazon Linux 2 AMI

t2.micro

Select the role you created



And enter the following user-data:

```
#!/bin/bash
yum update -y
amazon-linux-extras install -y lamp-mariadb10.2-php7.2 php7.2
yum install -y httpd mariadb-server git
systemctl start httpd
systemctl enable httpd
usermod -a -G apache ec2-user

git config --system credential.https://git-codecommit.eu-central-
1.amazonaws.com.helper '!aws --profile default codecommit credential-
helper $@'
git config --system credential.https://git-codecommit.eu-central-
1.amazonaws.com.UseHttpPath true
aws configure set region eu-central-1
git clone https://git-codecommit.eu-central-
1.amazonaws.com/v1/repos/myAwesomeProject /var/www/html

chown -R ec2-user:apache /var/www
chmod 2775 /var/www
find /var/www -type d -exec chmod 2775 {} \;
find /var/www -type f -exec chmod 0664 {} \;
```

Be careful about the highlighted fields!

Security Group: Allow traffic for HTTP from everywhere!

Check instance response

Now wait until the instance comes up.

Copy the DNS Hostname and open a new tab.

Make sure the response is there.

Clean up

Terminate the instance again to save free-tier volume.