LAB: Use CodeCommit Repositories in EC2 Instances

You need:

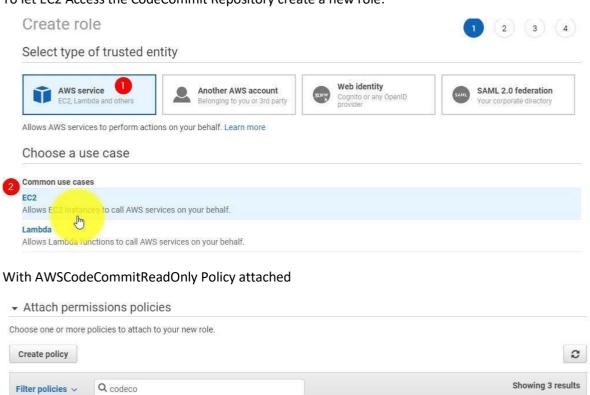
An AWS Account

Duration of the Lab: 15 Minutes.

Difficulty: easy

Create a new IAM Role

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



1

Used as

None

None

Save this.

Create a new EC2 instance:

Policy name -

▶ ■ AWSCodeCommitFullAccess

AWSCodeCommitPowerUser

Amazon Linux 2 AMI

t2.micro

Select the role you created

Placement group	(j)	Add instance to placement group			
Capacity Reservation	\bigcirc	Open	•	C	Create new Capacity Reservation
IAM role	(i)	ec2rolecodecommit	t	C	Create new IAM role
Shutdown behavior	(j)	Stop	ŧ		
Stop - Hibernate behavior	(i)	☐ Fnable hibernation as an additional stop behavior			

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.

```
← → C ① Not secure ec273-125-40-109.eu-central-1.compute.amazonaws.com
```

Make sure the response is there.

Clean up

Terminate the instance again to save free-tier volume.