

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:

Create role

Select type of trusted entity

1

2

3

4

AWS service
EC2, Lambda and others

Another AWS account
Belonging to you or 3rd party

Web identity
Cognito or any OpenID provider

SAML 2.0 federation
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose a use case

2

Common use cases

EC2
Allows EC2 instances to call AWS services on your behalf.

Lambda
Allows Lambda functions to call AWS services on your behalf.

With AWSCodeCommitReadOnly Policy attached

Attach permissions policies

Choose one or more policies to attach to your new role.

Create policy

Filter policies

codeco

Showing 3 results

	Policy name	Used as
<input type="checkbox"/>	AWSCodeCommitFullAccess	None
<input type="checkbox"/>	AWSCodeCommitPowerUser	None
<input checked="" type="checkbox"/>	AWSCodeCommitReadOnly	None

Save this.

Create a new EC2 instance:

Amazon Linux 2 AMI

t2.micro

Select the role you created

Complete AWS ECS DevOps Masterclass for Beginners

The screenshot shows the configuration options for an AWS EC2 instance. The options are arranged in a grid-like fashion with labels and input fields. The labels are: Placement group, Capacity Reservation, IAM role, Shutdown behavior, and Stop - Hibernate behavior. The input fields are: Add instance to placement group (checkbox), Open (dropdown), ec2rolecodecommit (dropdown), Stop (dropdown), and Enable hibernation as an additional stop behavior (checkbox). There are also links to 'Create new Capacity Reservation' and 'Create new IAM role'.

Placement group	<input type="checkbox"/> Add instance to placement group
Capacity Reservation	Open Create new Capacity Reservation
IAM role	ec2rolecodecommit Create new IAM role
Shutdown behavior	Stop
Stop - Hibernate behavior	<input type="checkbox"/> Enable 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.



Make sure the response is there.

Clean up

Terminate the instance again to save free-tier volume.