

LAB: Create an AWS CodeCommit Repository

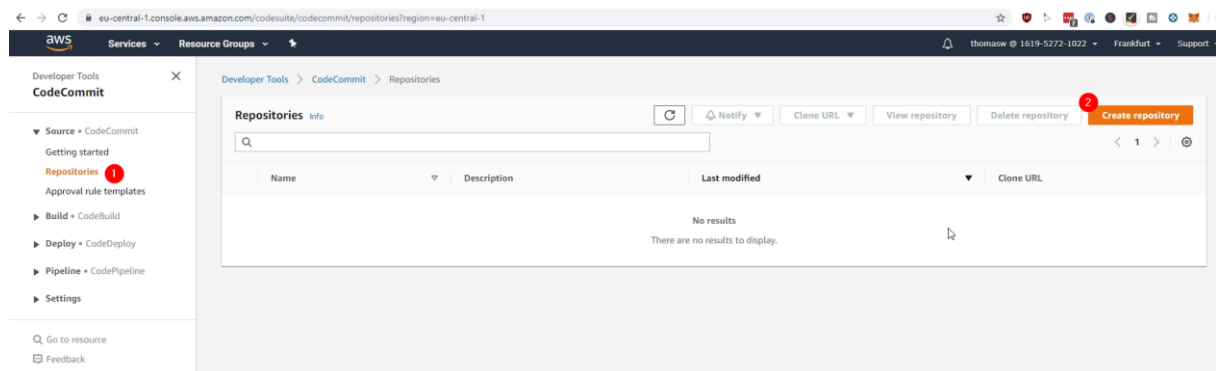
You need:

- An AWS Account

Duration of the Lab: 15 Minutes.

Difficulty: easy

Create a Repository



Enter a name:

Create repository

Create a secure repository to store and share your code. Begin by typing a repository name and a description for your repository. Repository names are included in the URLs for that repository.

Repository settings

Repository name

100 characters maximum. Other limits apply.

Description - optional

1,000 characters maximum

Tags

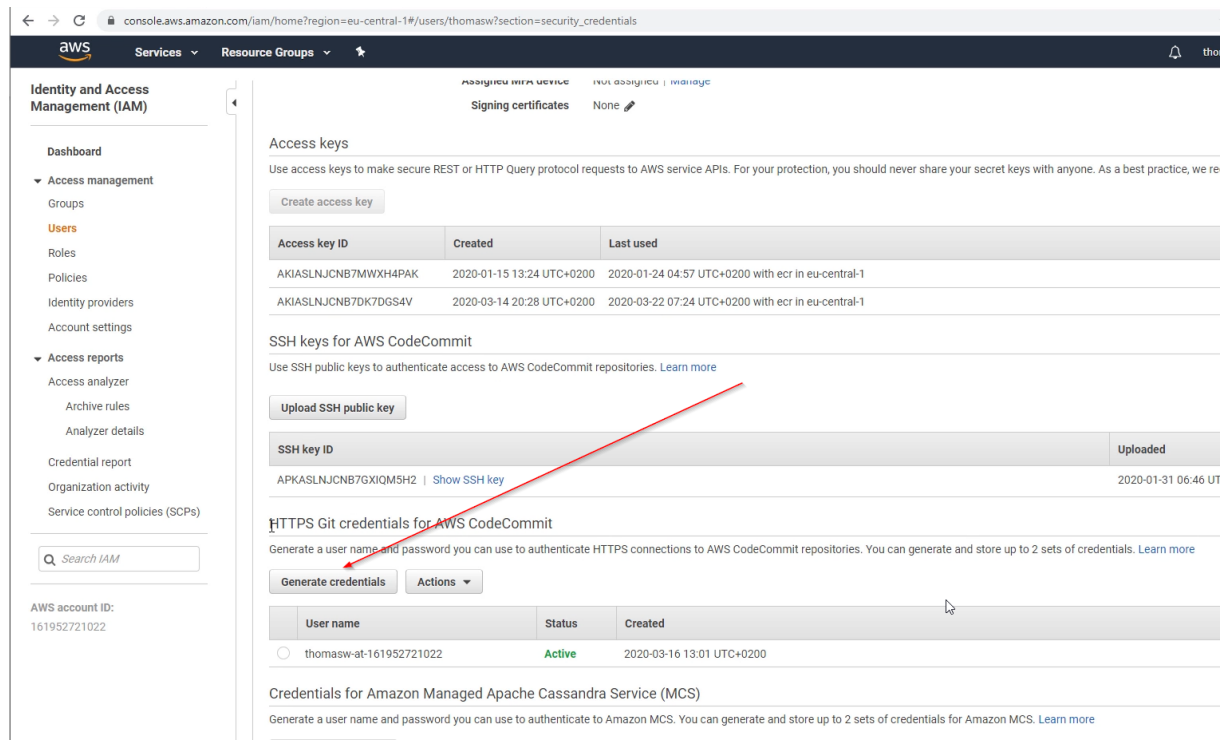
Install Git

Install Git if you have not installed it yet:

<https://git-scm.com/downloads>

Get HTTPS Git Credentials

Go to your IAM Management console, users, select your user-name, Tab “Security Credentials” and create HTTPS Git Credentials:



The screenshot shows the AWS IAM console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Groups, Users, Roles, Policies, Identity providers, Account settings, Access reports, Access analyzer, Credential report, Organization activity, and Service control policies (SCPs). The main content area is titled 'Security Credentials' and includes sections for Access keys, SSH keys for AWS CodeCommit, and HTTPS Git credentials for AWS CodeCommit. A red arrow points to the 'Generate credentials' button in the HTTPS Git credentials section.

Access keys

Use access keys to make secure REST or HTTP Query protocol requests to AWS service APIs. For your protection, you should never share your secret keys with anyone. As a best practice, we re

Create access key

Access key ID	Created	Last used
AKIASLNCNB7MWXH4PAK	2020-01-15 13:24 UTC+0200	2020-01-24 04:57 UTC+0200 with ecr in eu-central-1
AKIASLNCNB7DK7DGS4V	2020-03-14 20:28 UTC+0200	2020-03-22 07:24 UTC+0200 with ecr in eu-central-1

SSH keys for AWS CodeCommit

Use SSH public keys to authenticate access to AWS CodeCommit repositories. [Learn more](#)

Upload SSH public key

SSH key ID	Uploaded
APKASLNCNB7GXIQM5H2 Show SSH key	2020-01-31 06:46 UT

HTTPS Git credentials for AWS CodeCommit

Generate a user name and password you can use to authenticate HTTPS connections to AWS CodeCommit repositories. You can generate and store up to 2 sets of credentials. [Learn more](#)

Generate credentials Actions

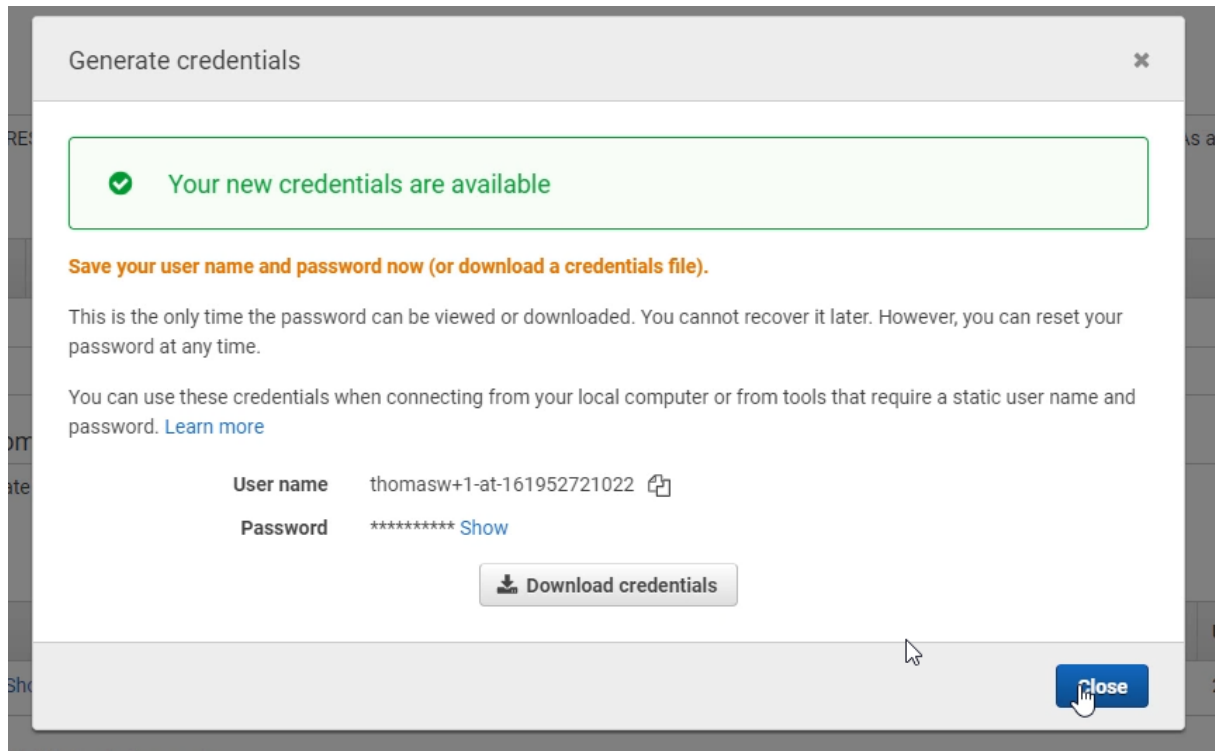
User name	Status	Created
<input type="radio"/> thomasw-at-161952721022	Active	2020-03-16 13:01 UTC+0200

Credentials for Amazon Managed Apache Cassandra Service (MCS)

Generate a user name and password you can use to authenticate to Amazon MCS. You can generate and store up to 2 sets of credentials for Amazon MCS. [Learn more](#)

Copy the Credentials:

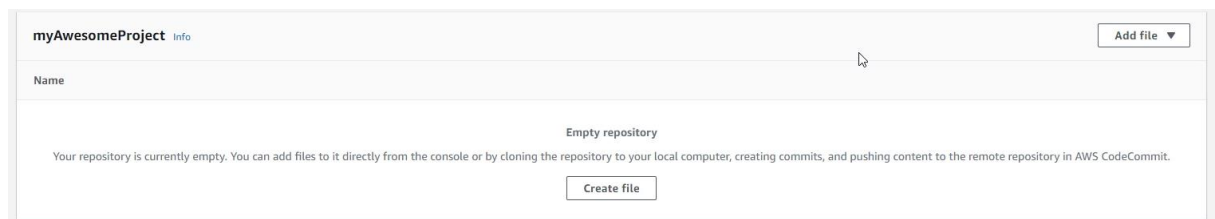
Complete AWS ECS DevOps Masterclass for Beginners



Git will automatically ask later for the username and the password! So keep those at hand.

Create a file in your Repository

Go back to your CodeCommit Repository and create a new file:



Complete AWS ECS DevOps Masterclass for Beginners

myAwesomeProject Info

1 hello world 1

Commit changes to master

File name
For example, file.txt
index.html 2
myAwesomeProject/index.html

Author name
Thomas Wiesner 3

Email address
4

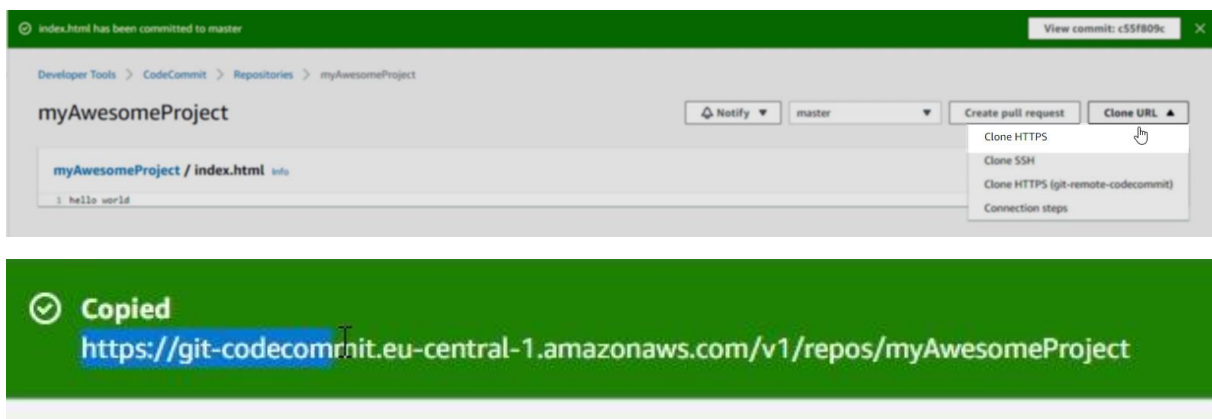
Commit message - optional
A default commit message will be used if you do not provide one.
my first commit 5

Cancel Commit changes 6

1. For file contents enter “hello world”
2. File name: index.html
3. Your name
4. Your email address
5. A commit-message
6. And commit changes

Clone the Repository

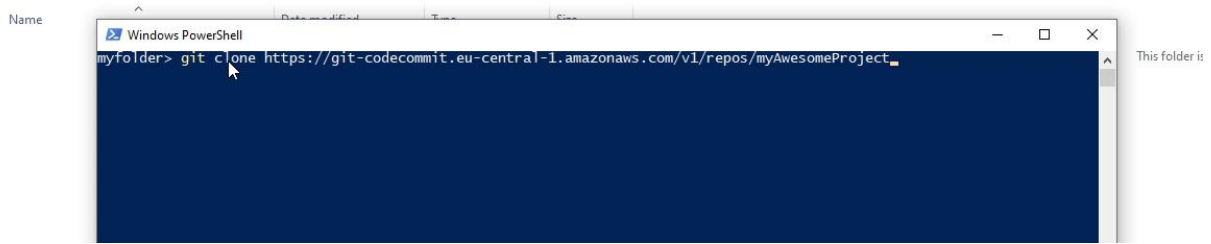
Get the clone URL for HTTPS:



Go to a new, empty directory and open PowerShell (Windows) or Terminal (MacOS, Linux) and clone the repository

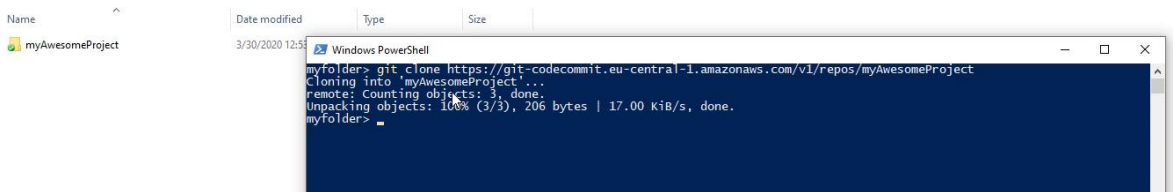
```
git clone [URL_FROM_CODECOMMIT]
```

Complete AWS ECS DevOps Masterclass for Beginners



IF YOU RUN THIS THE FIRST TIME: Git will ask for your credentials. Enter the credentials you downloaded earlier!

Your repository is now cloned locally:



Make changes and push them

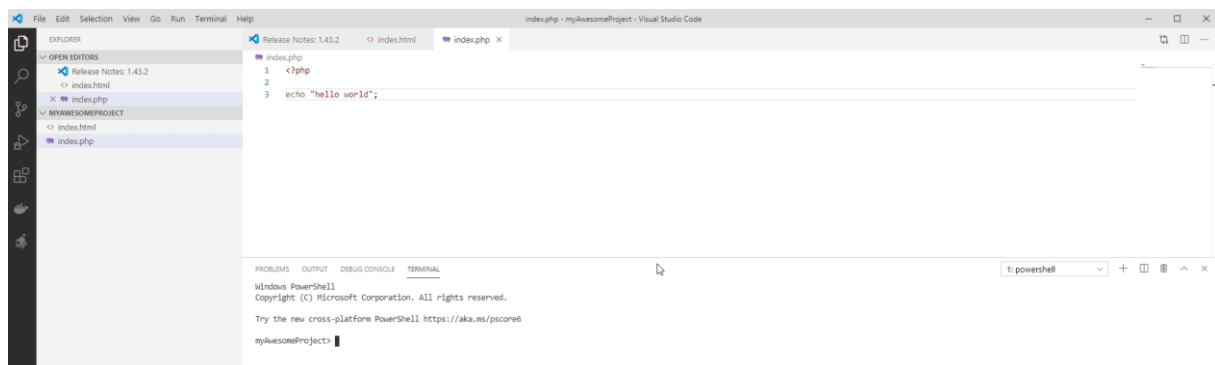
For this example I will use visual studio code to edit the files. If you want to give it a try download it for free here:

<https://code.visualstudio.com/download>

Open the index.html in the folder with visual studio code. Edit it with some custom text. Also create an index.php file:

```
<?php  
echo "hello world";
```

Then open a Terminal:



```
git status
```

will tell you about the current working directory files:

```
myAwesomeProject> git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    index.php

no changes added to commit (use "git add" and/or "git commit -a")
myAwesomeProject> █
```

```
git add .
```

will stage all files

```
git commit -a -m "added an index.php file"
```

will commit all files with a message "added an index.php file"

```
git push origin master
```

will push the files from the local repository to the remote repository