

LAB: Create an AWS CodeCommit Repository

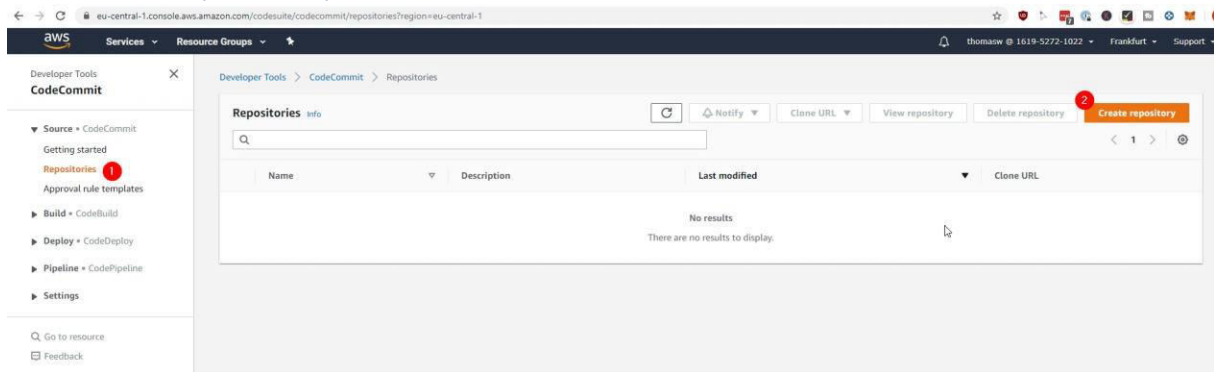
You need:

- 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

Add tag

CancelCreate

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:

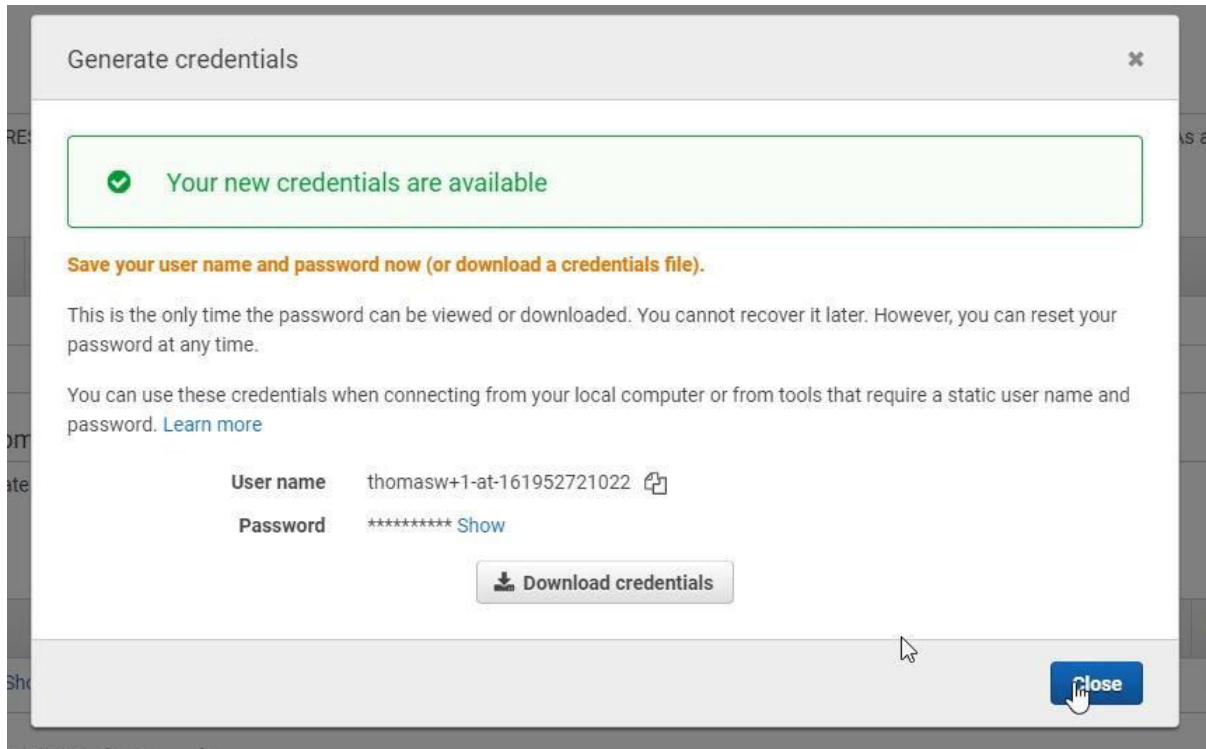
The screenshot shows the AWS IAM console for a user named 'thomasw'. The 'Security Credentials' tab is selected. The 'Access keys' section shows two keys. The 'SSH keys for AWS CodeCommit' section shows one key. The 'HTTPS Git credentials for AWS CodeCommit' section shows a table with one entry, 'thomasw-at-161952721022', which is 'Active' and was created on '2020-03-16 13:01 UTC+0200'. A red arrow points to the 'Generate credentials' button and the table entry.

Access key ID	Created	Last used
AKIASLNCNB7MXXH4PAK	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 key ID	Uploaded
APKASLNCNB7GXIQM5H2	2020-01-31 06:46 UT

User name	Status	Created
thomasw-at-161952721022	Active	2020-03-16 13:01 UTC+0200

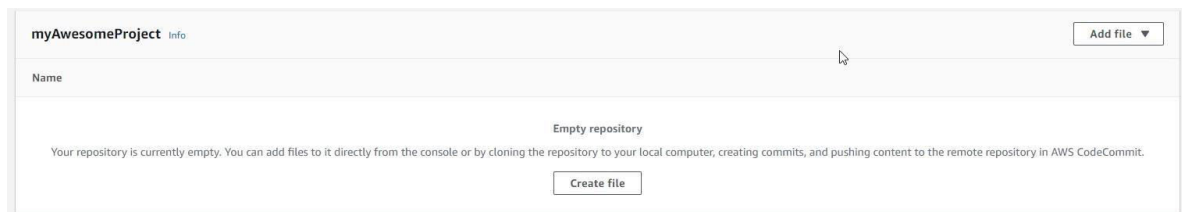
Copy the Credentials:



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:



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myAwesomeProject info

1 hello world

Commit changes to master

File name
For example, file.txt
index.html

myAwesomeProject/index.html

Author name
Thomas Wiesner

Email address

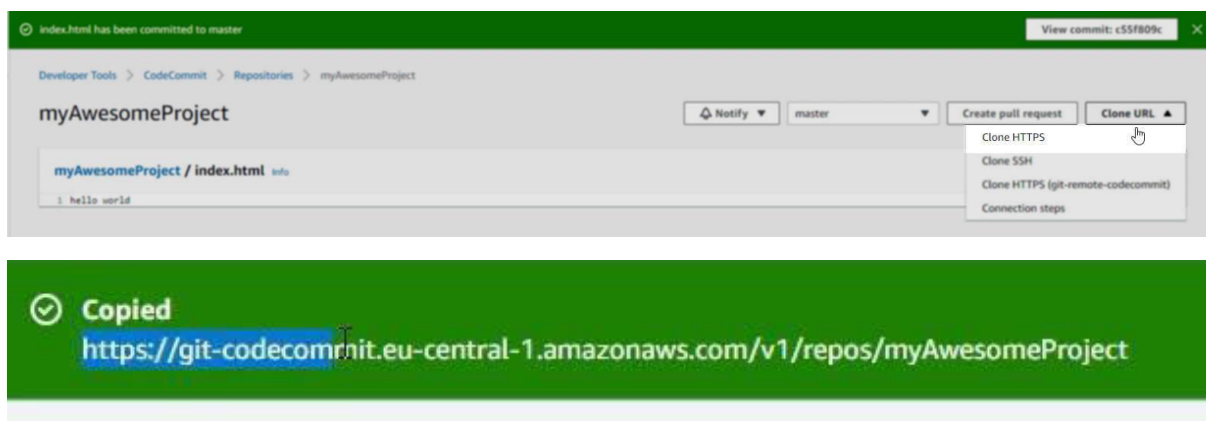
Commit message - optional
A default commit message will be used if you do not provide one.
my first commit

Cancel Commit changes

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

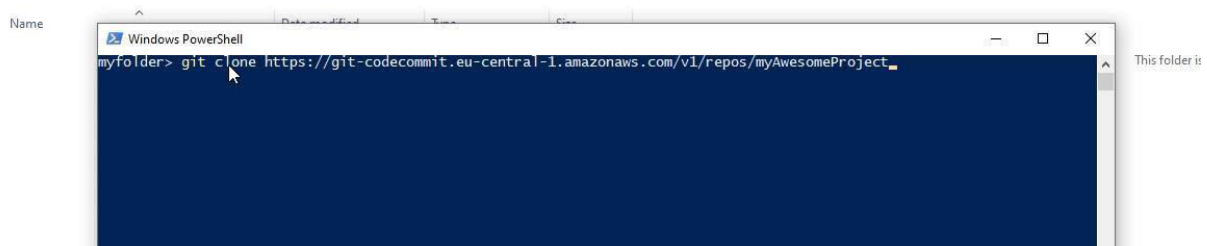
Get the clone URL for HTTPS:



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

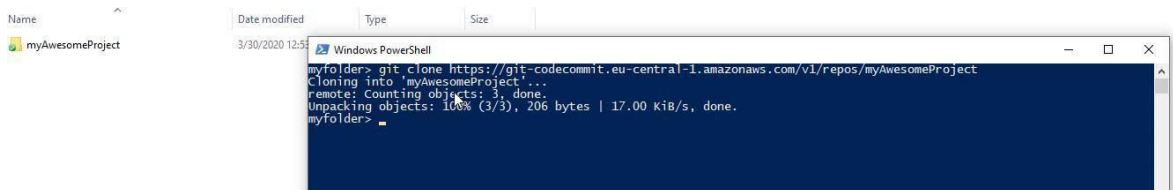
```
git clone [URL_FROM_CODECOMMIT]
```

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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

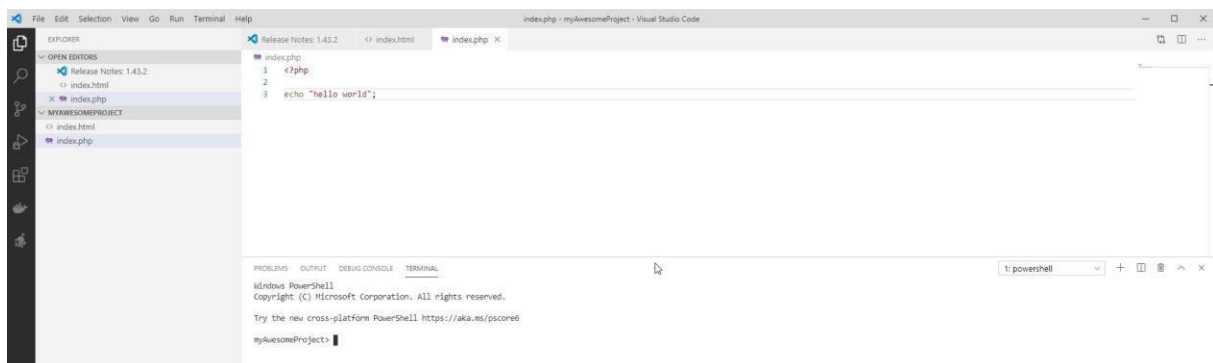
For this example I will use visual studio code to edit the files. If you want to give it a try download it for free here:

<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