

Documentation

User Story 1: Setup development environment

Description:

This guide is for a Macbook user from Neue Fische.

Condition: brew is installed. You can install it when you open your Terminal and execute:

```
/bin/bash -c "$(curl -fsSL
```

```
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

Task 1: Setup Github a/c to have a centralized repository

- create Github Account and Login:
 - create Account: <https://github.com/signup>
 - Login in Github: <https://github.com/login>

Task 2: Setup Terraform OSS and enable tracing & capture the logs

- Download Terraform:
 - open Terminal and execute: `brew tap hashicorp/tap`
 - next command: `brew install hashicorp/tap/terraform`
- enable tracing & capture the logs
 - open Terminal and execute: `export TF_LOG=DEBUG`
 - next command: `export TF_LOG_PATH="terraform.log"`
 - open `terraform.log` to see your Logs

Task 3: Setup AWS CLI v 2.0 + [Source](#)

- Install AWS
 - open Link to download: <https://awscli.amazonaws.com/AWSCLIV2.pkg>
 - open Terminal and go to Downloads: `cd Downloads`
 - install AWS with this command: `sudo installer -pkg AWSCLIV2.pkg -target`
- Verify the AWS CLI Installation
 - type in Terminal: `aws --version`
 - expected Output: `aws-cli/2.10.0 Python/3.11.2 Darwin/18.7.0 botocore/2.4.5`

Task 4: Configure AWS sandbox a/c & verify IAM access

- Open and start Sandbox

- open Link and click Button 'Load 1-[CF]-Lab - Sandbox Environment in a new window':
<https://awsrestart.instructure.com/courses/1938/modules/items/1266764>
- Click Button 'Start Lab' and wait 5 minutes
- Follow the instructions from the Lab
- Verify IAM Access
 - click Services & select the services you want to use
 - If you have the correct permissions you can use the service

Task 5: Install Visual Studio Code & plugins like Intellisense to speed up the development [Source](#)

- Install Visual Studio Code
 - open Terminal and execute: `brew install --cask visual-studio-code`
 - execute this command to open the app: `open /Applications/Visual\ Studio\ Code.app`
- Install PlugIns
 - click on the Extensions icon in the Activity Bar.
 - In the Extensions view, search for 'Intellisense' and install the extension.

Task 6: Setup Git to create a local repository [Source](#)

- Install git
 - open Terminal and execute: `brew install git`
- Configure Git
 - open Terminal and execute - replace "Name" with your Github-Name : `git config --global user.name "Name"`
 - execute in Terminal - replace "Mail" with your Mail in GitHub: `git config --global user.email "mail"`
- Create a New Directory for Repo
 - open Terminal and execute: `cd ..`
 - open Terminal and execute: `mkdir github`
 - open Terminal and execute: `cd github`
- Create a Repository
 - create a new Repo: <https://github.com/new>
 - give a name - depending on your preference
 - Set public or private - depending on your preference
 - Add a ReadMe file
 - Add .gitignore: Terraform

Task 7: Integrate GIT with GITHUB a/c along with security token

- Create a Personal Access Token on GitHub:
 - Open Personal access tokens: <https://github.com/settings/tokens?type=beta>
 - Click 'Generate new token'.
 - Give your token a descriptive name.
 - Under 'Select scopes', select the options that apply to the tasks you want to perform using this token. For full repository access, check 'repo'.
 - Click Button 'Generate token'.
 - Copy the token to your clipboard. For security reasons, GitHub will not show the token again.

- Clone Repo
 - open Github: <https://github.com/>
 - open Repo: open profile Picture and the Your Repository
 - Select Repo
 - Click green Button: '<> Code'
 - copy HTTPS-Link
 - open Terminal and go to repo-Folder: `cd github`
 - execute in Terminal -replace "Link" with opioid HTTPS-Link: `git clone "Link"`
 - When git asks you for the username and password, use the personal access token from the previous step

- Store credentials with Git Credential Manager
 - open Terminal and execute: `git config --global credential.helper osxkeychain`