

Instructions for AWSVPCB-STUDENT-SETUP

Background

The AWSVPCB scripts were developed for FIU to allow for the automated creation of AWS environments for students to review and diagnose problems. This document describes how to run and what to expect when running the *awsvpcb-student-setup* script, which is intended for use by students that are NOT using AWS Academy. This script simply installs the AWSCLI on the students machine.

Pre-requisites

This script was designed and tested using WSL (Windows Subsystem for Linux), however, since it is written completely in BASH, it should be able to be run on any Linux or MAC device, but the user requires root privileges to install the AWS CLI. This is why it's likely best to run this on a personal device rather than a server.

The following are the actions that are needed prior to running the script:

- *Create a “paid” (not free) AWS account.* This script will not create anything in AWS and thus will not incur any costs. However, the AWSVPCB scripts used for the course will incur some costs and these are explained in other documents.
- *Optionally, create an IAM “Admin” account to avoid logging in as the root user.* This script defers how you login to you, so it's up to you as to what type of AWS account to use.
- *Log into a Linux system as root.* In Windows, simply type “wsl -u root” on the command line, but as stated earlier, this script should work on any Linux system as long as you are logged in as root.

Steps

It's important to note that this script is fully idempotent – you can run it as often as you like regardless of where it left off.

- 1) Create a directory from which to run the script and cd to it
- 2) Download the awsvpcb-student-setup script -> wget
<https://github.com/clouducate/awsvpcb/raw/refs/heads/main/awsvpcb-student-setup>
- 3) chmod 755 awsvpcb-student-setup to make it executable.

- 4) Feel free to review the script. Since it's BASH, the code is easily reviewed.
- 5) Execute the script and expect the following to occur:
 - a. Install the AWS CLI, if it's not installed. This can take a few minutes.
 - b. If you are not logged into AWS, it will provide a URL for you to use to login.
Please copy this URL to a browser and log into your AWS account with an Admin account.

That's it! Please feel free to query your professor if you have any questions or concerns.