

Assignment: Anatomy of a CircleCI Config

Objective: The goal of this assignment is to familiarize yourself with CircleCI and create simple configuration files using YAML for various scenarios.

Instructions:

Part 1: CircleCI Basics 1. Create a new repo with a CircleCI config file. That CircleCI file must contain the following: - A single workflow that invokes a single job - The job must use the Docker executor. The image can be the image of your choice but you may just want to stick with an Ubuntu based image - Have steps that accomplish the following: - checkout the repo - A step that prints "Hello, world" - A step that lists all files in the current directory. Be sure to display all files including hidden ones AND make sure it's long form (the flags for this are `-la`) - Create a file called `example.txt` - Write text to that file. If you are unsure how to do this look up how to write text to a file without opening it in a shell script - Cat the newly created file - Install Zip and Unzip - Create a Zip archive of your `example.txt` file and call it `artifact.zip` - Store build artifacts (newly created zip file) - Unzip and list components in your archive (`unzip -l <<filename>>`) - Clean up. Remove all created files

Requirements: - A specific step for each of the above steps should be created - Job must run and complete in CircleCI

Submission Guidelines: - Submit the document through [GitHub Classroom](#).

Grading Criteria: - Correct and complete YAML syntax implementation in the chosen scenario. Be sure to validate your YAML. - Inclusion of all required elements - Adherence to submission guidelines and deadlines.