**Container Testing Steps**

Link for the tool <https://github.com/GoogleContainerTools/container-structure-test>

In Ubuntu instance we will install Go Programming Language ( <https://go.dev/> ) we will install go and get a docker container for golang. In the Config YAML file we will write test cases for testing Metadata, File structure, permissions, version, and whether the docker container is working.

1. Create an Ubuntu instance with t2.micro.
2. Connect to the instance using putty.
3. Run the following commands.

git clone <https://github.com/SmithaVerity/Container-Testing.git>

cd Container-Testing/

sh deploy.sh (When a pink/purple screen pops up, click tab and select ok and enter)

The following command will test the docker container “golang” with the config YAML file test cases.

sh runTest.sh

1. Check the test results. (There will be 2 defects)
2. Run command.

sudo nano golang-config.yaml

1. Remove extra o from “Helloo World” and update the version number.
2. To save the nano editor – ctrl+x , y and enter.
3. Test again with the command.

sh runTest.sh

1. Terminate the instance.