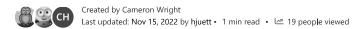


Dojo Task 2022-11-3 [Nov 3, 2022]



Our first exercise is an opportunity to get exposure to many DevSecOps tools. If you ever have any questions, please always feel free to ask on ~DSO Dojo on Mattermost.

Useful Resources:

WSL2: DSO's live in Linux and *nix environments. A good tool for exposure is WSL2.

Install WSL - Installation instructions for Windows. A recommended distro is Ubuntu 22.04

https://aws.amazon.com/getting-started/

AWS | Terraform | HashiCorp Developer

CDK for Terraform | Terraform | HashiCorp Developer

Get Started

Terraform

GitHub - nektos/act: Run your GitHub Actions locally

The Task

Deploy this Go app on an EC2 Server

Your goal is compile and deploy this application on an EC2 Server so that you can go to <your url>/ping and get {"message": "pong"} as the response.

```
package main

import (
    "net/http"

    "github.com/gin-gonic/gin"

}

func main() {
    r := gin.Default()
    r.GET("/ping", func(c *gin.Context) {
    c.JSON(http.StatusOK, gin.H{
```

```
13          "message": "pong",
14           })
15      })
16      r.Run() // listen and serve on 0.0.0.0:8080 (for windows "localhost:8080")
17  }
```

Suggested Path

- 1. Create an AWS Account with your personal account
- Install AWS CLIv2 in your Linux/WSL2/Mac Environment
- 2. Create a VPC (default)
- 3. Put an EC2 instance in the public subnet
- 4. Put NGINX on the instance (or a different server)
- 5. Put the compiled server binary on the EC2 instance.
- + Add label

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