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

Created by Cameron Wright
Last updated: Nov 15, 2022 by hjuett • 1 min read • 19 people viewed

> 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 🚀

Overview

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.

```
1  package main
2
3  import (
4    "net/http"
5
6    "github.com/gin-gonic/gin"
7  )
8
9  func main() {
10   r := gin.Default()
11   r.GET("/ping", func(c *gin.Context) {
12     c.JSON(http.StatusOK, gin.H{
```

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

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

Be the first to add a reaction