Using CodeDeploy with EC2

Joshua Edwards

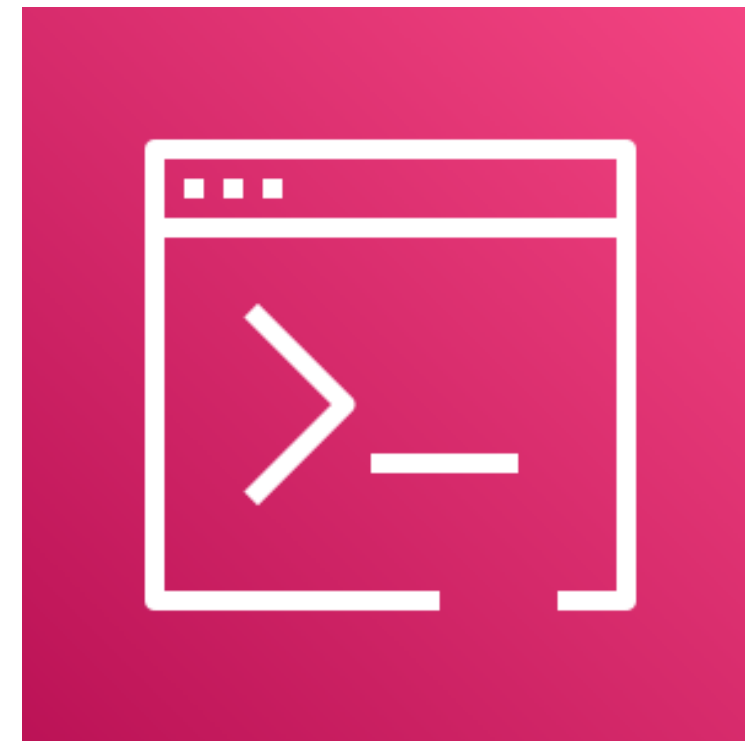VICE PRESIDENT OF ENGINEERING

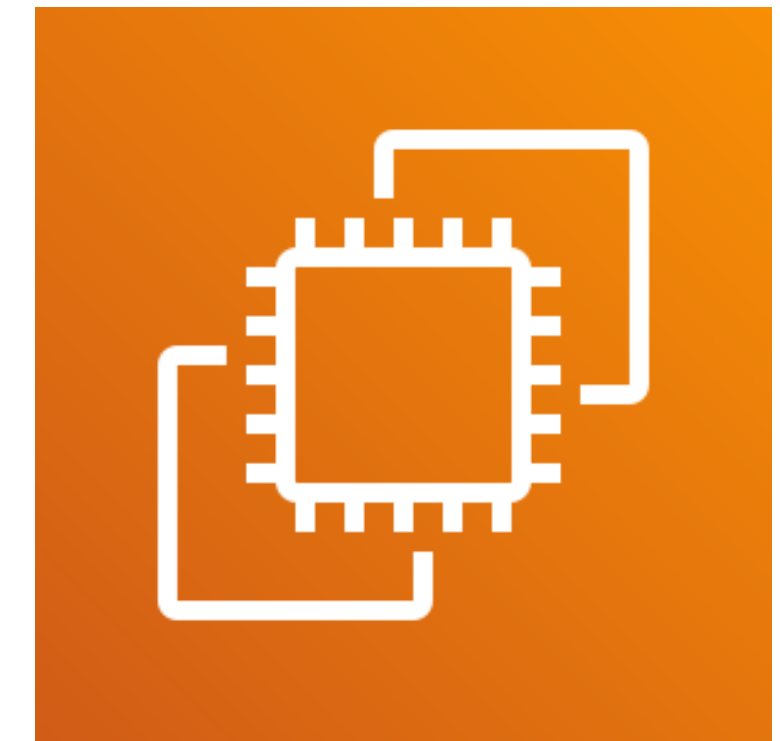@JoshuaGEdwards

Prerequisites

CodeDeploy Prerequisites

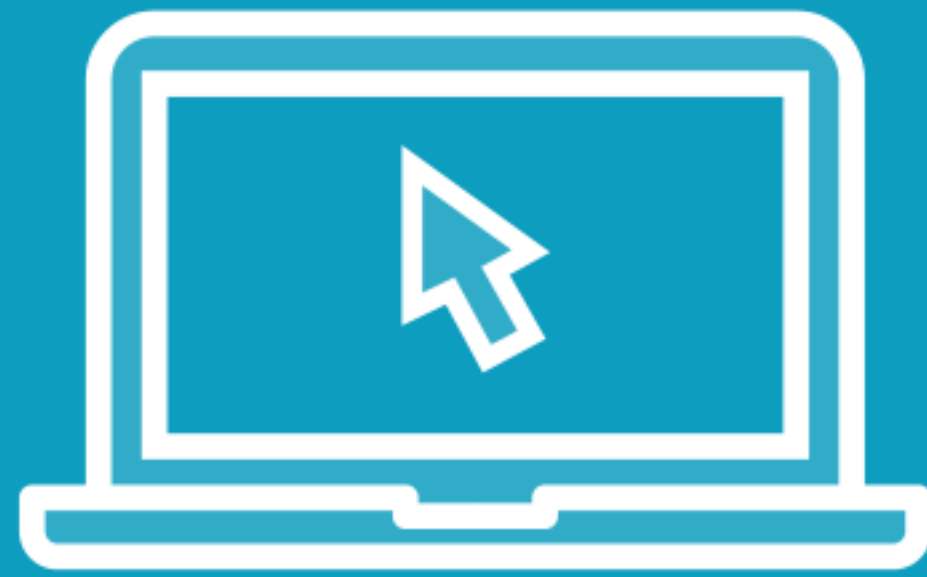**AWS Identity and Access Management**

AWS Command Line Interface

Service Role

IAM Instance Profile

Demo

AWS CodeDeploy Prerequisites

– EC2 Instance Profile

Place Holder for Instance Profile

Managing the CodeDeploy Agent

Demo

Managing the AWS CodeDeploy Agent

- Installing the agent

- Verify the agent is running
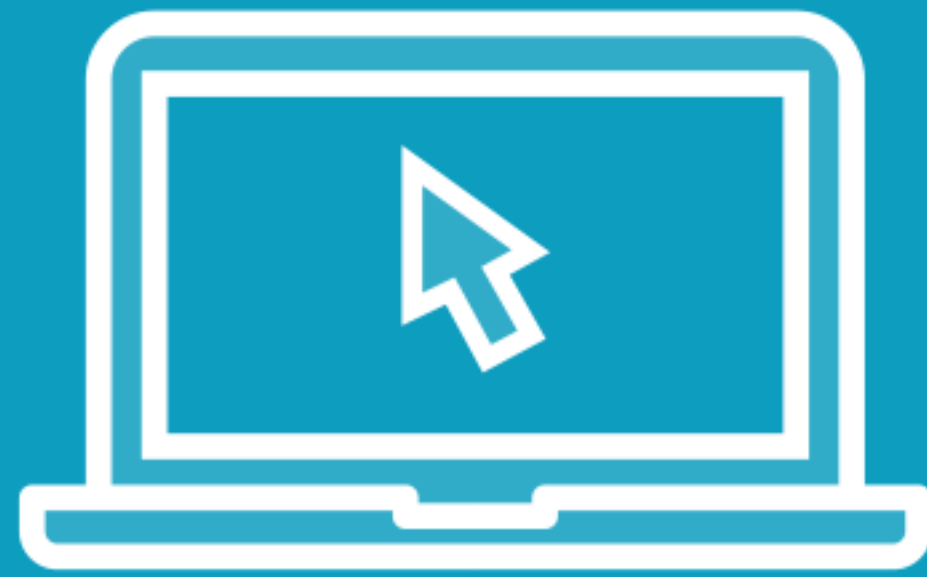
- Determine the version

- Updating the agent

Place Holder for Managing CodeDeploy Agent

Tagging and Working with CodeDeploy Deployment Configurations

Demo

Working with Deployment Configurations

- Create a Hello World application
- Create an EC2 Autoscaling group
- Create a launch configuration
- Create a load balancer
- Create a CodeDeploy Application
- Create a CodeDeploy deployment group
- Deploy an application to EC2 using CodeDeploy
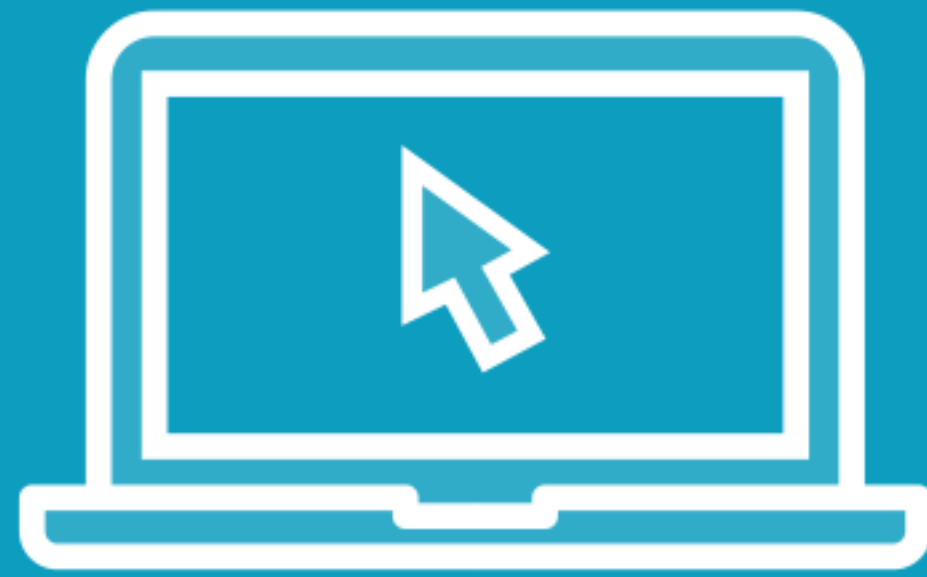- Update an application on EC2 using CodeDeploy

Place Holder for deployments

Monitoring and Troubleshooting AWS CodeDeploy Deployments

Demo

Monitoring & Troubleshooting

- How to view log data for CodeDeploy

- How to use CloudWatch Events

Place Holder for monitoring

Summary

CodeDeploy and EC2:

- Prerequisites

- Deploying to EC2

- Monitoring and Debugging