Demo on EKS

**Pre-requesites**

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1. aws cli

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https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html

1. Download and run the AWS CLI MSI installer for Windows (64-bit):

https://awscli.amazonaws.com/AWSCLIV2.msi

2.Installing kubectl

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windows

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curl.exe -LO "https://dl.k8s.io/release/v1.31.0/bin/windows/amd64/kubectl.exe"

Linux

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curl -LO "https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

# If you do not have root access on the target system, you can still install kubectl to the ~/.local/bin directory

chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl

kubectl version --client

3. Installing eskctl

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# for ARM systems, set ARCH to: `arm64`, `armv6` or `armv7`

ARCH=amd64

PLATFORM=$(uname -s)\_$ARCH

curl -sLO "https://github.com/eksctl-io/eksctl/releases/latest/download/eksctl\_$PLATFORM.tar.gz"

# (Optional) Verify checksum

curl -sL "https://github.com/eksctl-io/eksctl/releases/latest/download/eksctl\_checksums.txt" | grep $PLATFORM | sha256sum --check

tar -xzf eksctl\_$PLATFORM.tar.gz -C /tmp && rm eksctl\_$PLATFORM.tar.gz

sudo mv /tmp/eksctl /usr/local/bin

eksctl version

# esk cluster setup

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# create cluster

eksctl create cluster --name DemoApp-cluster --region us-east-1 --fargate

# Click on the "Config" button and follow the instructions to update your kubeconfig file. Alternatively, you can use the AWS CLI to update the kubeconfig file:

aws eks update-kubeconfig --name DemoApp-cluster --region us-east-1

# Verify the configuration by running a kubectl command against your EKS cluster:

kubectl get nodes

# Create Fargate profile

eksctl create fargateprofile \

--cluster DemoApp-cluster \

--region us-east-1 \

--name alb-DEMO-app \

--namespace game-2048

# Delete cluster

eksctl delete cluster --name DemoApp-cluster --region us-east-1