Step1:

Check the Project running locally or not .

Create a docker file and run with docker Desktop.

Install aws cli , Powershell.

Step2:

Create a role in aws with the access of ec2 repository and admin access and create access key and store it somewhere.

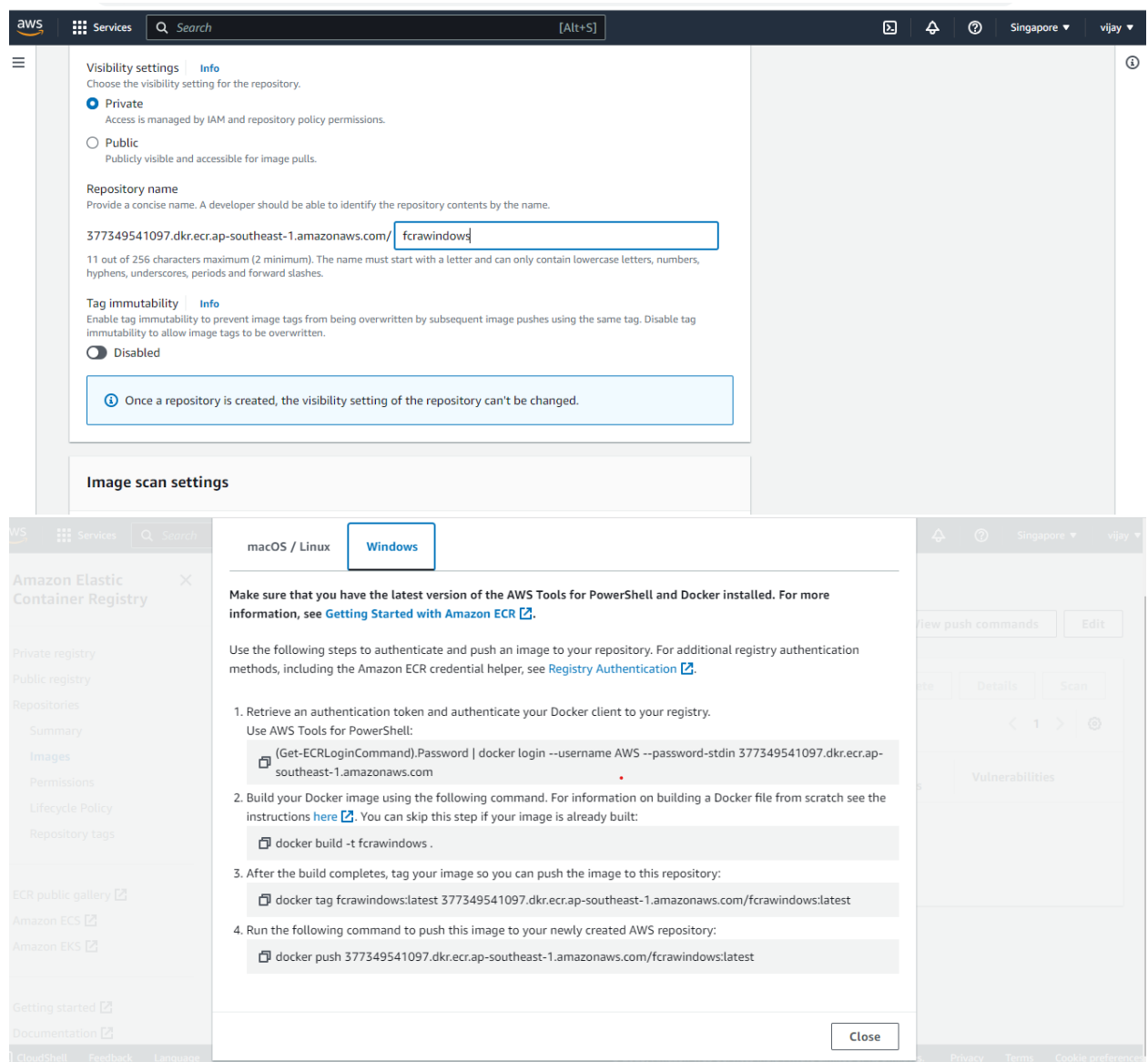for further requirements example below.

Access key - AKIA43MM3UB4BSMWHP7D

Secret access key - vOWVw00aqv9Kca4G8NkQiWaEyim/Yd5H47XQ9GzX

Region - ap-northeast-1

Step3:

Create a ECR private repository and then click on push commands.

Step4:

example:

Then push the Docker container to ECR as shown above.

Go to ECS in Aws and Create a cluster with name Cluster-2.

Create a task named Task1 and follow the below screenshots.

Step 1: Select cluster template

Step 2: Configure cluster

Configure cluster

Cluster name* | vpc1 | ℹ

Networking

Create a new VPC for your cluster to use. A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Fargate tasks.

Create VPC | ☑ Create a new VPC for this cluster

CIDR block | 10.0.0.0/16 | ℹ

Subnet 1 | 10.0.0.0/24 | ✕ ℹ

Subnet 2 | 10.0.1.0/24 | ✕

⊕ Add more subnets.

Tags

Step 2: Configure network

Step 3: Set Auto Scaling (optional)

Step 4: Review

A service lets you specify how many copies of your task definition to run and maintain in a cluster. You can optionally use an Elastic Load Balancing load balancer to distribute incoming traffic to containers in your service. Amazon ECS maintains that number of tasks and coordinates task scheduling with the load balancer. You can also optionally use Service Auto Scaling to adjust the number of tasks in your service.

Launch type | ● FARGATE | ℹ

AWS Fargate is migrating service quotas from the current Amazon ECS task count-based quotas to vCPU-based quotas. To learn more, refer to the AWS Fargate FAQs.

○ EC2
○ EXTERNAL

Switch to capacity provider strategy | ℹ

Operating system family | Windows Server 2019 Core ▾ | ℹ

Task Definition | Family | | Enter a value

Creating the Task:

Attach the ecr repo url with the name
as shown below.

Go to the cluster under the cluster you find the tasks. And click on the task link.

Paste the Ip in browser boom its deployed.