

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.

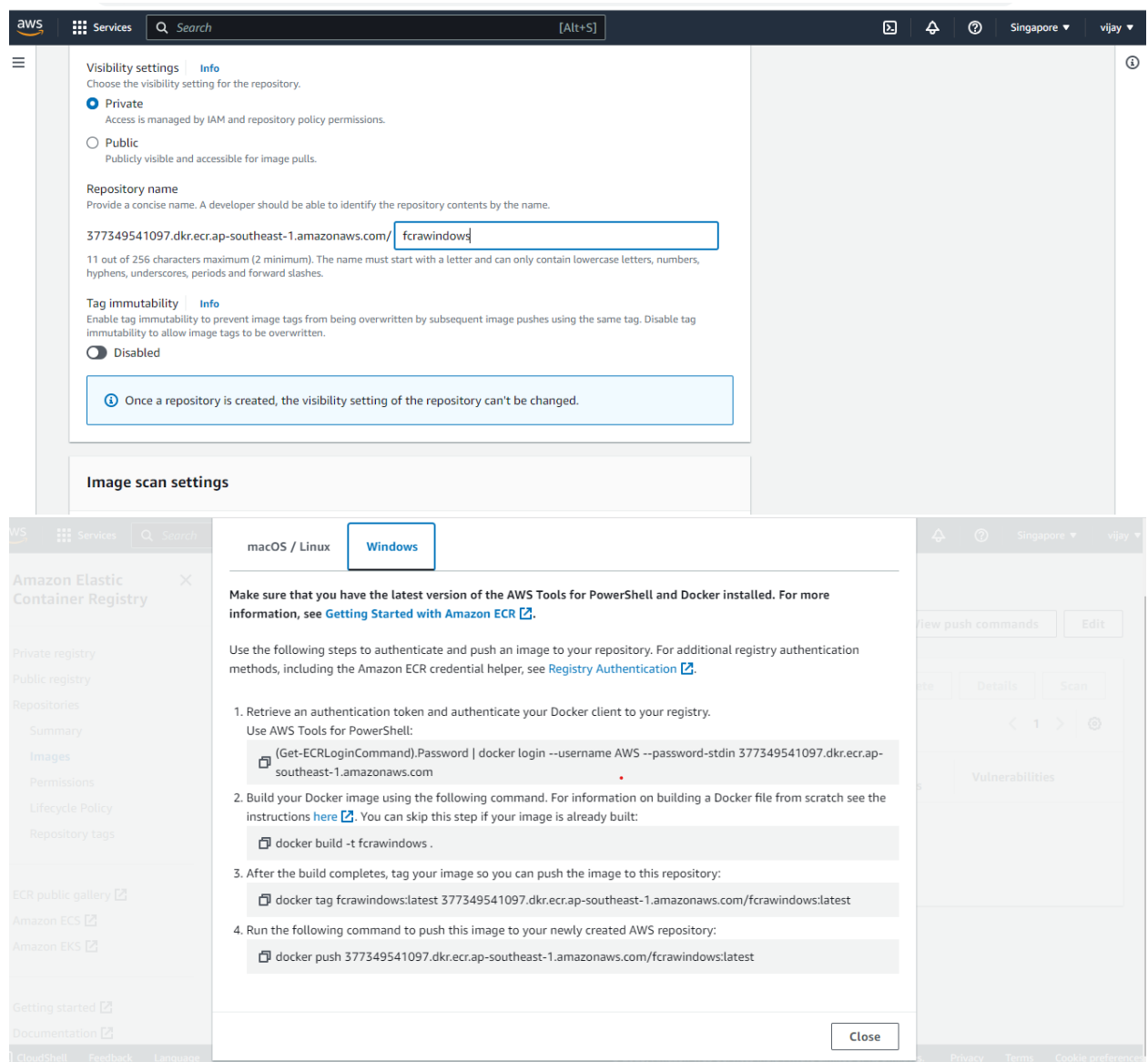
Access key - AKIA43MM3UB4BSMWHP7D

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.

aws

Services

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[Alt+S]

Singapore

vijay

Step 1: Select cluster template

Step 2: Configure cluster

Configure cluster

Cluster name* vpc1

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

Subnet 1 10.0.0.0/24

Subnet 2 10.0.1.0/24

Add more subnets.

Tags

aws

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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

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

Operating system family Windows Server 2019 Core

Task Definition Family

Enter a value

aws Services Search [Alt+S] Singapore vijay

Operating system family Windows Server 2019 Core ⓘ

Task Definition Family ⓘ

Revision ⓘ

Platform version LATEST ⓘ

Cluster vpc1 ⓘ

Service name ⓘ

Service type* REPLICA ⓘ

Number of tasks 3 ⓘ

Minimum healthy percent 100 ⓘ

Enter a value

Creating the Task:

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Task definition name* WindowsTask ⓘ

Requires compatibilities* FARGATE

Task role None ⓘ

Optional IAM role that tasks can use to make API requests to authorized AWS services. Create an Amazon Elastic Container Service Task Role in the [IAM Console](#).

Network mode awsvpc ⓘ

If you choose <default>, ECS will start your container using Docker's default networking mode, which is Bridge on Linux and NAT on Windows. Windows tasks support the <default> and awsvpc network modes.

Operating system family Windows Server 2019 Core ⓘ

App Mesh integration, proxy configuration, and log router integration parameters are not supported for Windows tasks on Fargate.

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

Revision

1 (latest)

Platform version

LATEST

Cluster

Cluster1

Service name

service1

Service type*

REPLICA

Number of tasks

3

Minimum healthy percent

100

Maximum percent

200

Deployment circuit breaker

Disabled

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

aws

Services

Search

[Alt+S]

📧

🔗

🔍

Tokyo

Mayank Mankar

Amazon ECR

Repositories

AWS Marketplace

Discover software

Subscriptions

Status

ACTIVE

Pending count

0

Task definition

Docker-Task:1

Running count

3

Service type

REPLICA

Launch type

FARGATE

Service role

AWSServiceRoleForECS

Created By

arn:aws:iam::937637232309:root

Details

Tasks

Events

Auto Scaling

Deployments

Metrics

Tags

Logs

Last updated on July 31, 2023 1:15:44 PM (0m ago)

🔄

🔍

Task status:

Running

Stopped

Filter in this page

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Task	Task Definition	Last status	Desired status	Group	Launch type	Platform version ...
1faa1fb88c7545ec...	Docker-Task:1	RUNNING	RUNNING	service:service1	FARGATE	1.4.0
47137e874a31416...	Docker-Task:1	RUNNING	RUNNING	service:service1	FARGATE	1.4.0
48bd4579e723422...	Docker-Task:1	RUNNING	RUNNING	service:service1	FARGATE	1.4.0

Subscriptions

Task definition

Docker-Task:1

Group

service:service1

Task role

ecsTaskExecutionRole

Last status

RUNNING

Desired status

RUNNING

Created at

2023-07-31 13:06:56 +0530

Started at

2023-07-31 13:07:33 +0530

Network

Network mode

awsvpc

ENI Id

eni-0550843dc05018913

Subnet Id

subnet-0d44f4aaf47189828

Private IP

10.0.0.222

Public IP

54.238.221.51

Mac address

06:db:97:c4:76:eb

Containers

Last updated on July 31, 2023 1:16:05 PM (0m ago)

Paste the Ip in browser boom its deployed.