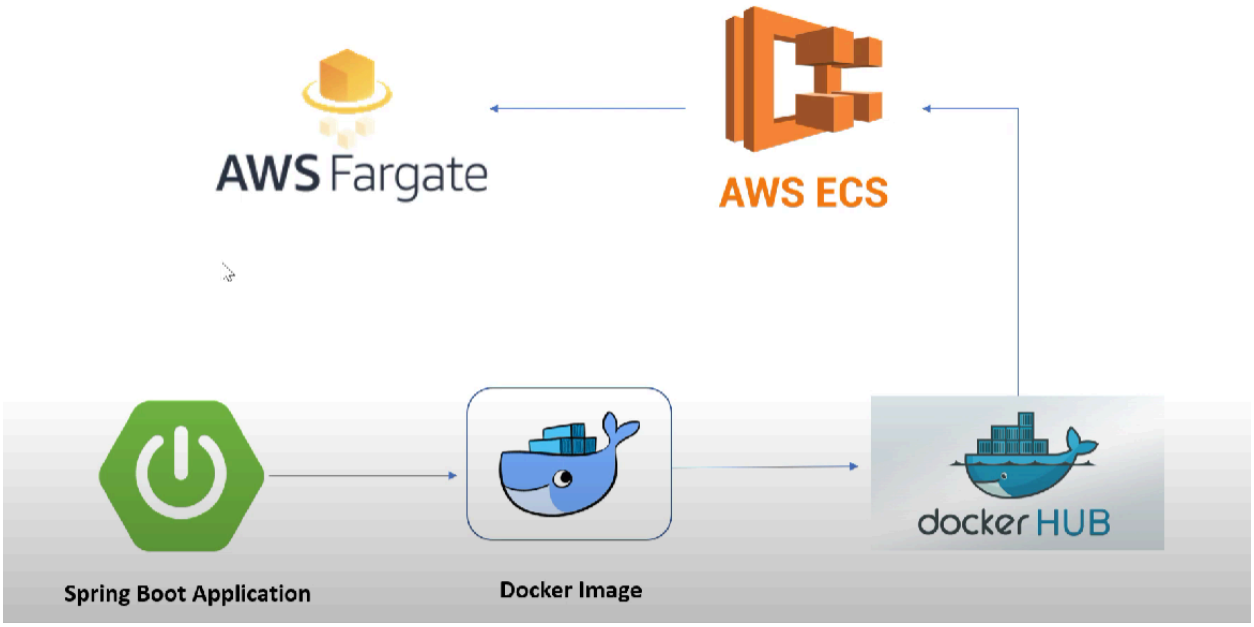
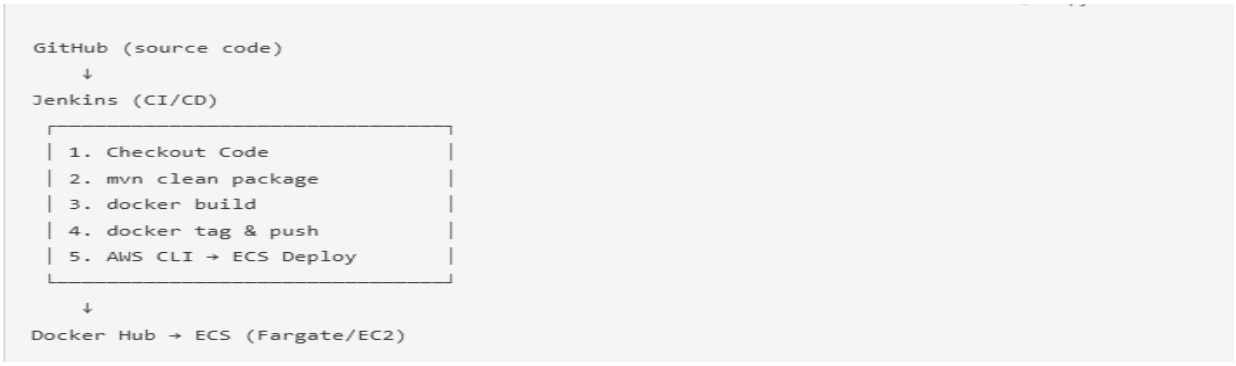
AWS Deployment



We can also do all these by mentioned in jenkins to build and see the pipelines.

Full CI/CD Flow:

1. **Clone your code** from GitHub
2. **Build your Spring Boot app** using Maven/Gradle
3. **Build Docker image**
4. **Tag & Push to Docker Hub**
5. **Deploy to ECS (via AWS CLI or ECS plugin)**



But did it directly without using jenkins.

1. [Spring Boot → Docker Image]
2. [Push to Docker Hub]
3. [Create ECS Task Definition]
4. [Create ECS Cluster]
5. [Run Task on ECS (Fargate or EC2)]

Building docker image

Command to Build Docker Image via Maven

Command to Build Docker Image via Maven

mvn spring-boot:build-image
-Dspring-boot.build-image.imageName=<your-dockerhub-username>/devops-integration

✅ Example:

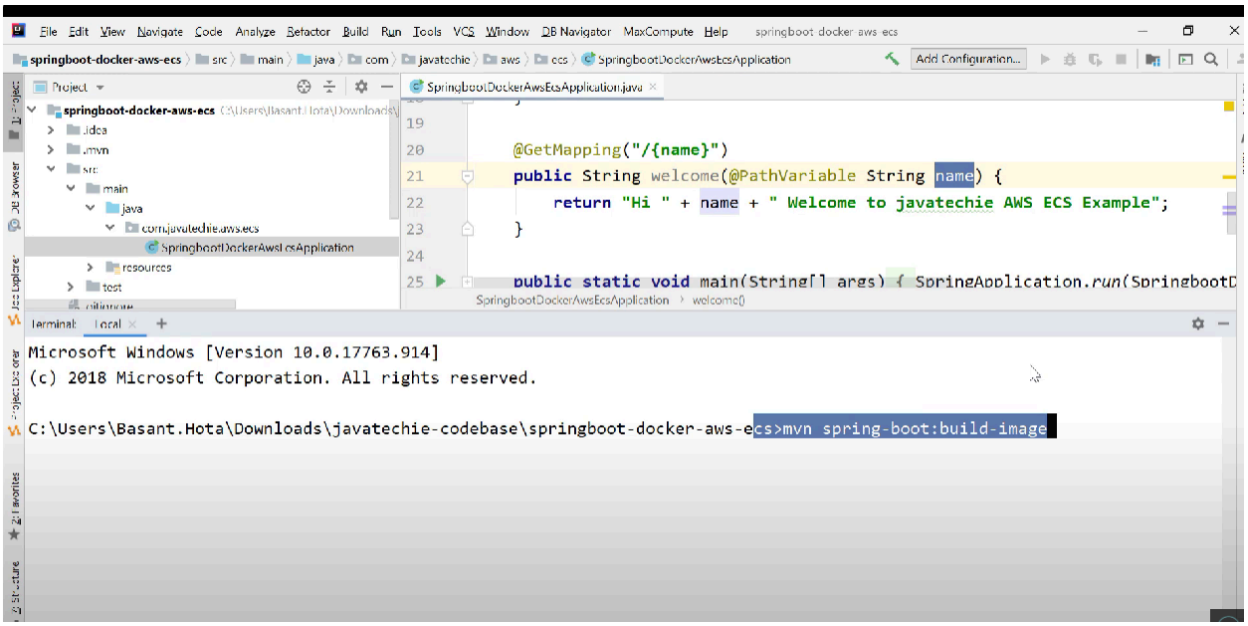
mvn spring-boot:build-image
-Dspring-boot.build-image.imageName=bharatht19/devops-integration

Build with Maven (build docker image)

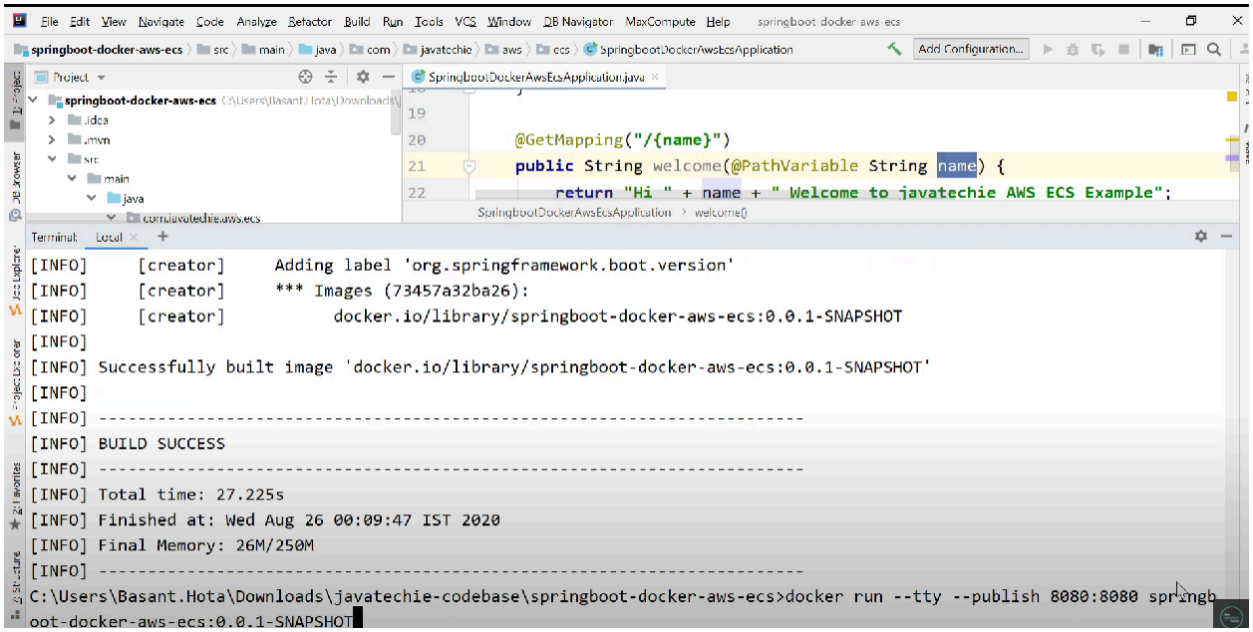
```
mvn clean package dockerfile:build

# Run docker image locally
docker run -d -p 8080:8080 yourdockerhubusername/your-image-name:tag

# Push to Docker Hub (after login)
docker push yourdockerhubusername/your-image-name:tag
```



Run the docker image



Push docker image to dockerHub

Suppose you have a local image called myapp with tag v1:

```
docker images
# REPOSITORY    TAG       IMAGE ID
# myapp         v1        abc123def456
```

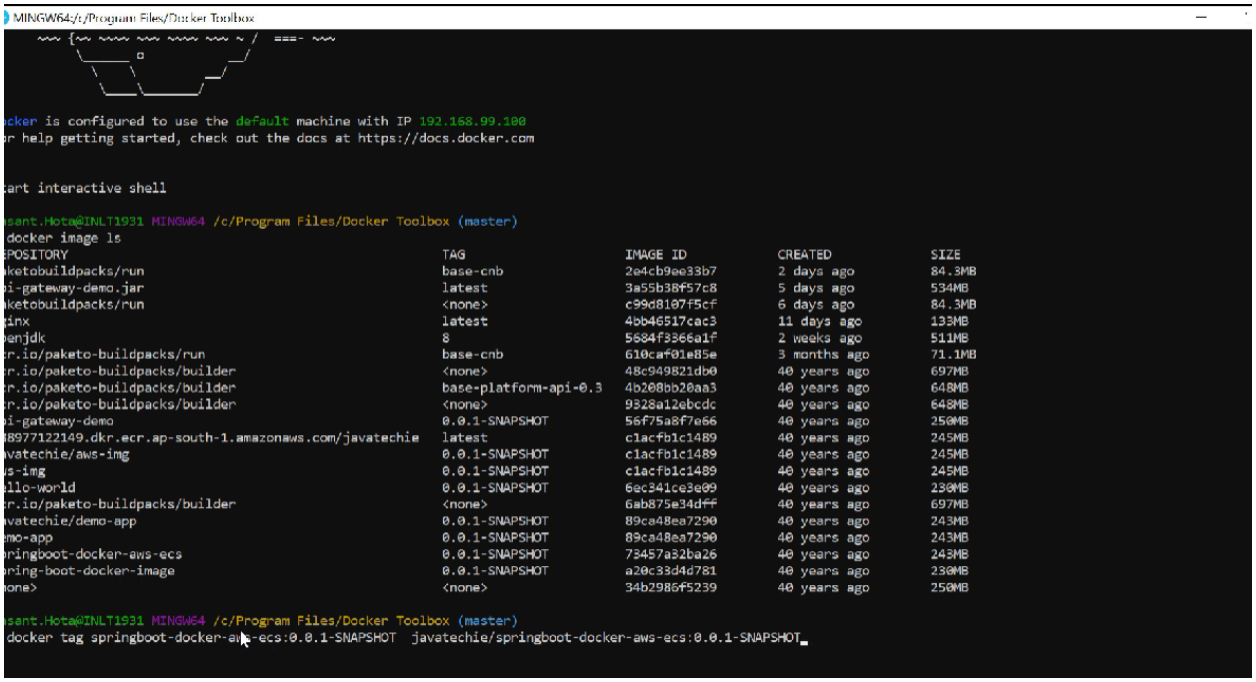
You want to tag it for pushing to Docker Hub under your username mydockeruser:

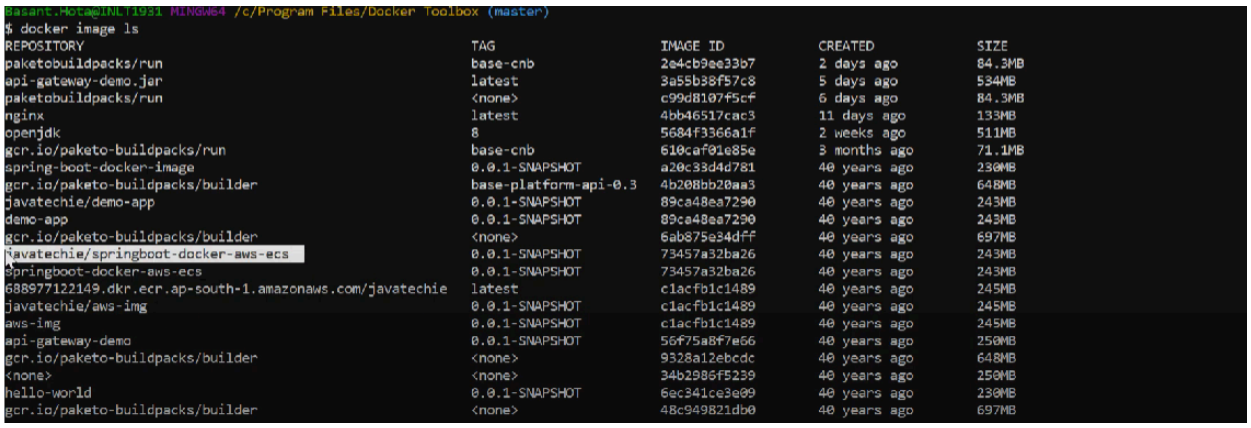
```
docker tag myapp:v1 mydockeruser/myapp:v1
```

Now you can push:

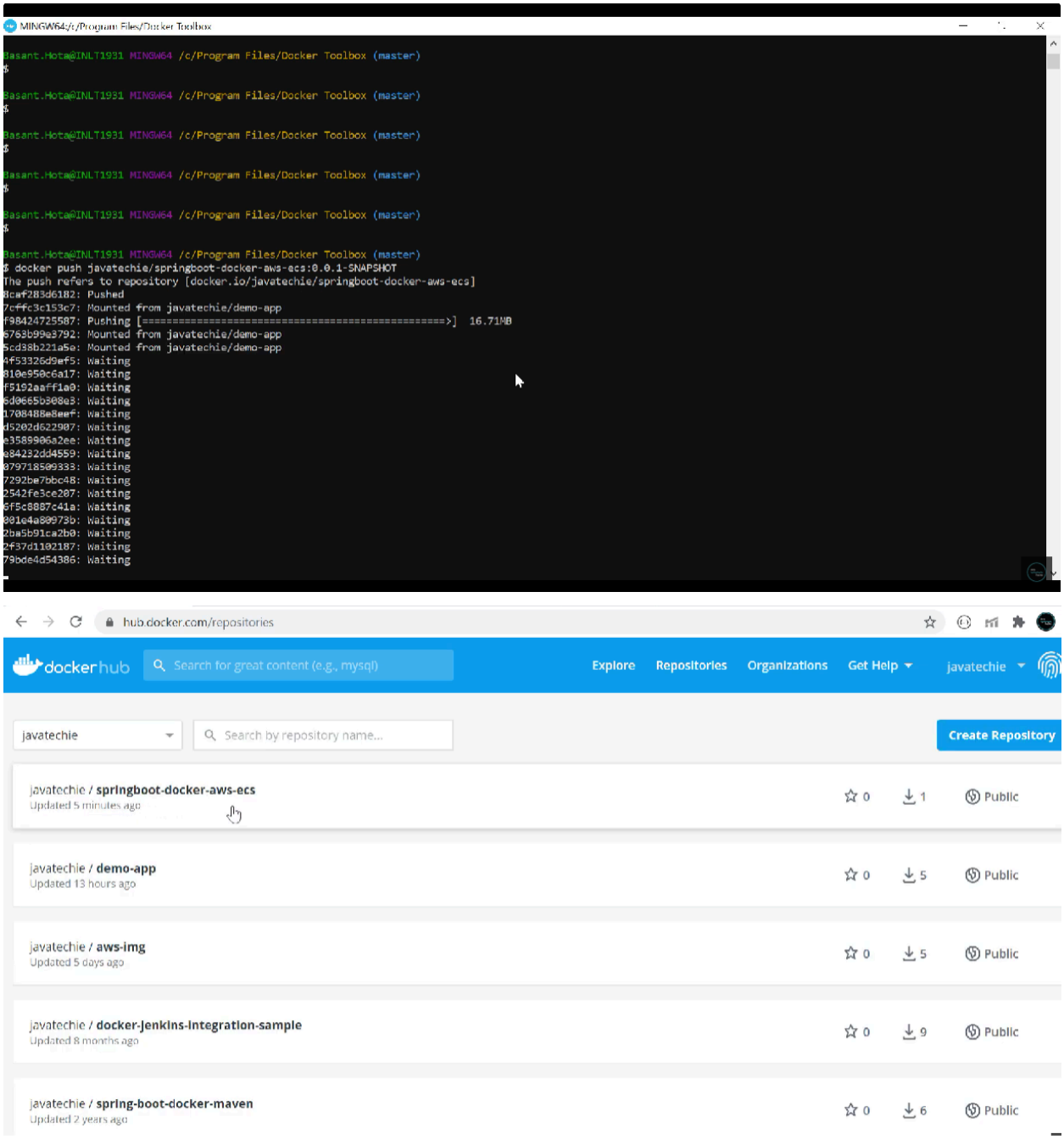
```
docker push mydockeruser/myapp:v1
```

This creates a versioned image that Docker Hub understands.


MINGW64:/c/Program Files/Docker Toolbox
cker is configured to use the default machine with IP 192.168.99.100
r help getting started, check out the docs at https://docs.docker.com
art interactive shell
sant.Hota@INLT1931 MINGW64 /c/Program Files/Docker Toolbox (master)
docker image ls
EPOSITORY TAG IMAGE ID CREATED SIZE
ketobuildpacks/run base-cnb 2e4cb9ee33b7 2 days ago 84.3MB
i-gateway-demo.jar latest 3a55b38f57c8 5 days ago 534MB
ketobuildpacks/run <none> c99d8107f5cf 6 days ago 84.3MB
inx latest 4bb46517cac3 11 days ago 133MB
penjdk 8 5684f3366a1f 2 weeks ago 511MB
r.io/paketo-buildpacks/run base-cnb 610caf01e85e 3 months ago 71.1MB
r.io/paketo-buildpacks/builder <none> 48c949821db0 40 years ago 697MB
r.io/paketo-buildpacks/builder base-platform-api-0.3 4b208bb20aa3 40 years ago 648MB
r.io/paketo-buildpacks/builder <none> 9328a12ebcdc 40 years ago 648MB
i-gateway-demo 0.0.1-SNAPSHOT 56f75a8f7e66 40 years ago 250MB
8977122149.dkr.ecr.ap-south-1.amazonaws.com/javatechie latest c1acfb1c1489 40 years ago 245MB
vatechie/aws-img 0.0.1-SNAPSHOT c1acfb1c1489 40 years ago 245MB
s-img 0.0.1-SNAPSHOT c1acfb1c1489 40 years ago 245MB
llo-world 0.0.1-SNAPSHOT 6ec341ce3e09 40 years ago 230MB
r.io/paketo-buildpacks/builder <none> 6ab875e34dff 40 years ago 697MB
vatechie/demo-app 0.0.1-SNAPSHOT 89ca48ea7290 40 years ago 243MB
mo-app 0.0.1-SNAPSHOT 89ca48ea7290 40 years ago 243MB
pringboot-docker-aws-ecs 0.0.1-SNAPSHOT 73457a32ba26 40 years ago 243MB
pring-boot-docker-image 0.0.1-SNAPSHOT a20c33d4d781 40 years ago 230MB
one> <none> 34b2986f5239 40 years ago 250MB
sant.Hota@INLT1931 MINGW64 /c/Program Files/Docker Toolbox (master)
docker tag springboot-docker-aws-ecs:0.0.1-SNAPSHOT javatechie/springboot-docker-aws-ecs:0.0.1-SNAPSHOT


basant.Hota@INLT1931 MINGW64 /c/Program Files/Docker Toolbox (master)
$ docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
paketobuildpacks/run base-cnb 2e4cb9ee33b7 2 days ago 84.3MB
api-gateway-demo.jar latest 3a55b38f57c8 5 days ago 534MB
paketobuildpacks/run <none> c99d8107f5cf 6 days ago 84.3MB
nginx latest 4bb46517cac3 11 days ago 133MB
openjdk 8 5684f3366a1f 2 weeks ago 511MB
gcr.io/paketo-buildpacks/run base-cnb 610caf01e85e 3 months ago 71.1MB
spring-boot-docker-image 0.0.1-SNAPSHOT a20c33d4d781 40 years ago 230MB
gcr.io/paketo-buildpacks/builder base-platform-api-0.3 4b208bb20aa3 40 years ago 648MB
javatechie/demo-app 0.0.1-SNAPSHOT 89ca48ea7290 40 years ago 243MB
demo-app 0.0.1-SNAPSHOT 89ca48ea7290 40 years ago 243MB
gcr.io/paketo-buildpacks/builder <none> 6ab875e34dff 40 years ago 697MB
javatechie/springboot-docker-aws-ecs 0.0.1-SNAPSHOT 73457a32ba26 40 years ago 243MB
springboot-docker-aws-ecs 0.0.1-SNAPSHOT 73457a32ba26 40 years ago 243MB
688977122149.dkr.ecr.ap-south-1.amazonaws.com/javatechie latest c1acfb1c1489 40 years ago 245MB
javatechie/aws-img 0.0.1-SNAPSHOT c1acfb1c1489 40 years ago 245MB
aws-img 0.0.1-SNAPSHOT c1acfb1c1489 40 years ago 245MB
api-gateway-demo 0.0.1-SNAPSHOT 56f75a8f7e66 40 years ago 250MB
gcr.io/paketo-buildpacks/builder <none> 9328a12ebcdc 40 years ago 648MB
<none> <none> 34b2986f5239 40 years ago 250MB
hello-world 0.0.1-SNAPSHOT 6ec341ce3e09 40 years ago 230MB
gcr.io/paketo-buildpacks/builder <none> 48c949821db0 40 years ago 697MB

Pushing



Amazon Elastic Container Service (ECS) is a fully managed container orchestration service used to deploy, manage, and scale containerized applications on Amazon Web Services (AWS). It enables users to run containers with ease, whether it's a simple website or a complex, distributed application, and supports both EC2 instances and AWS Fargate.

Amazon **EC2** is a web service that provides **resizable compute capacity (virtual machines)** in the cloud. You can launch and manage **Linux or Windows servers** (called **EC2 instances**) and run any software on them, including containerized applications.

AWS Fargate is a **serverless compute engine for containers**. You don't need to provision or manage servers. You **only define your container requirements** (CPU, memory), and Fargate runs them automatically.

Example Analogy:

- **EC2** is like **renting a car**: You drive and maintain it yourself.
- **Fargate** is like **using a taxi or Uber**: You just specify where to go (CPU & RAM) — AWS takes care of driving.

Key Features of ECS:

1. **Fully Managed Service:**
    - AWS handles the orchestration, availability, and scalability of your containerized workloads.
    - No need to install Kubernetes or manage your own orchestrators unless using Amazon EKS.
2. **Launch Types:**
    - **EC2 Launch Type**: You manage the EC2 instances (virtual machines) on which containers run.
    - **Fargate Launch Type**: Serverless – you don't manage the infrastructure. Just specify CPU and memory; AWS does the rest.
3. **Tight AWS Integration:**
    - Integrated with services like IAM, CloudWatch, ALB (Application Load Balancer), ECR (Elastic Container Registry), and more.
4. **Task Definitions:**

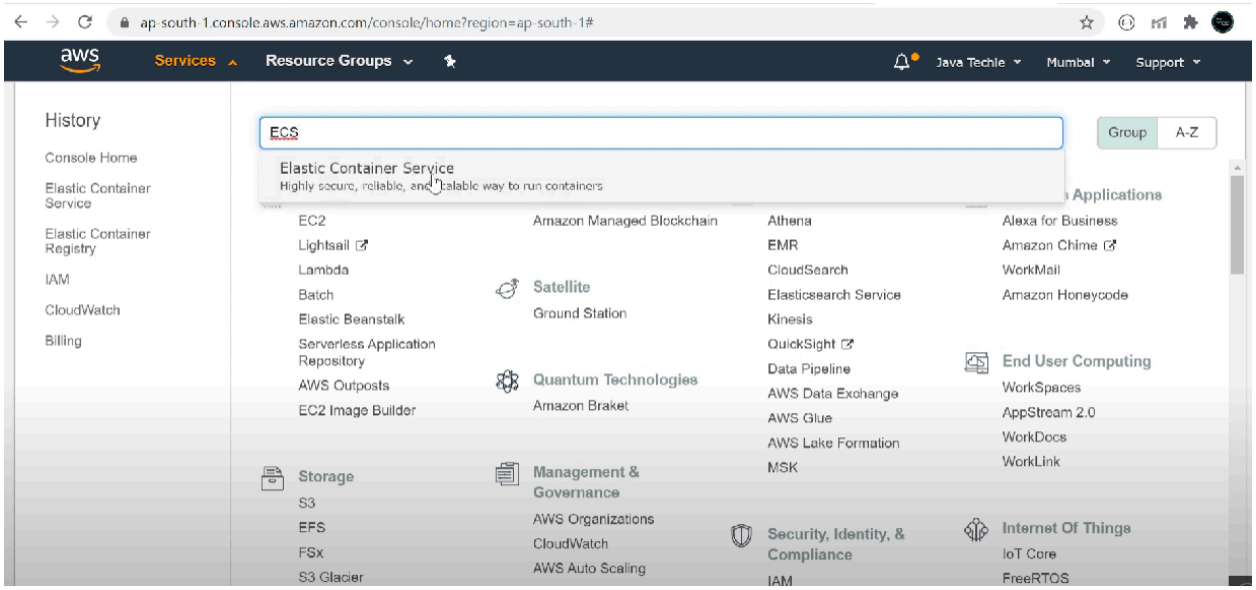
- JSON templates that define **how your containers should run** (image, CPU, memory, networking, etc.).

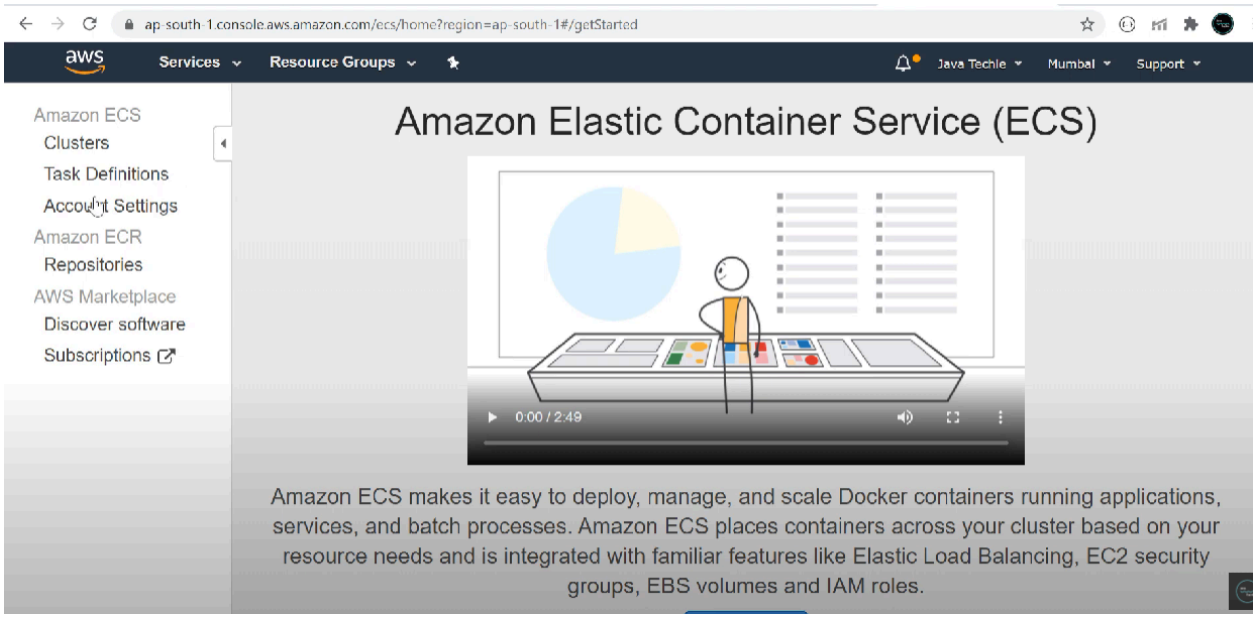
5. **Service Management:**

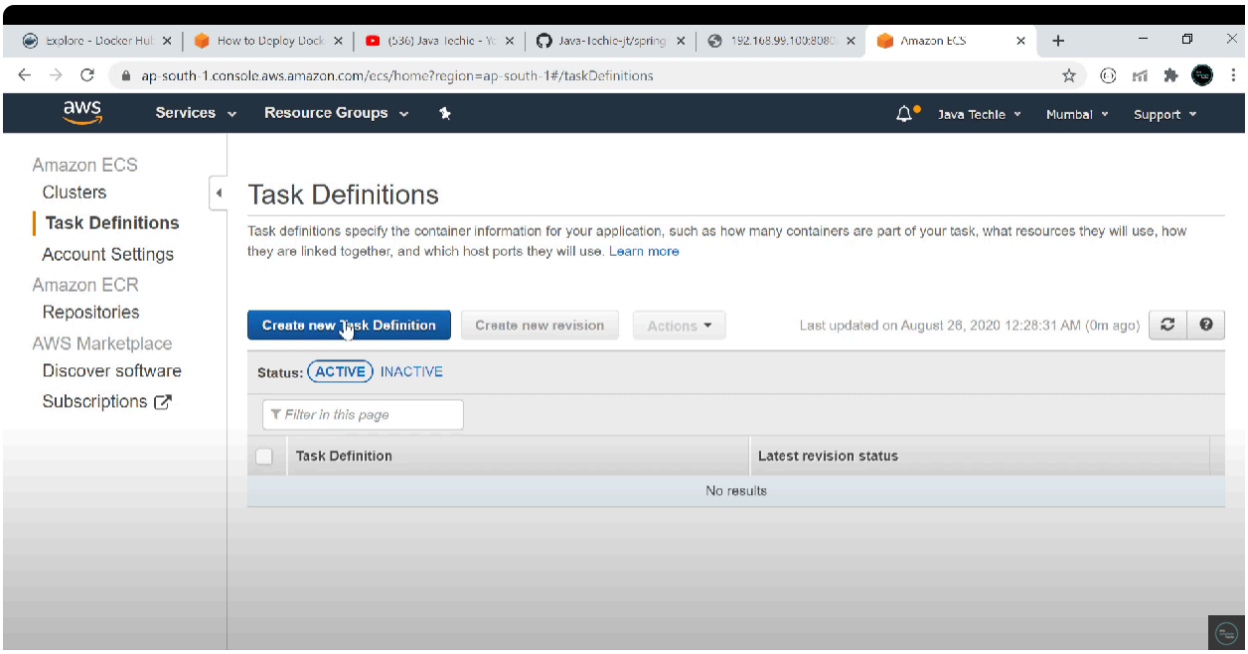
   - Ensures that a specified number of tasks are always running and can do **rolling updates** to avoid downtime.

6. **Networking Options:**

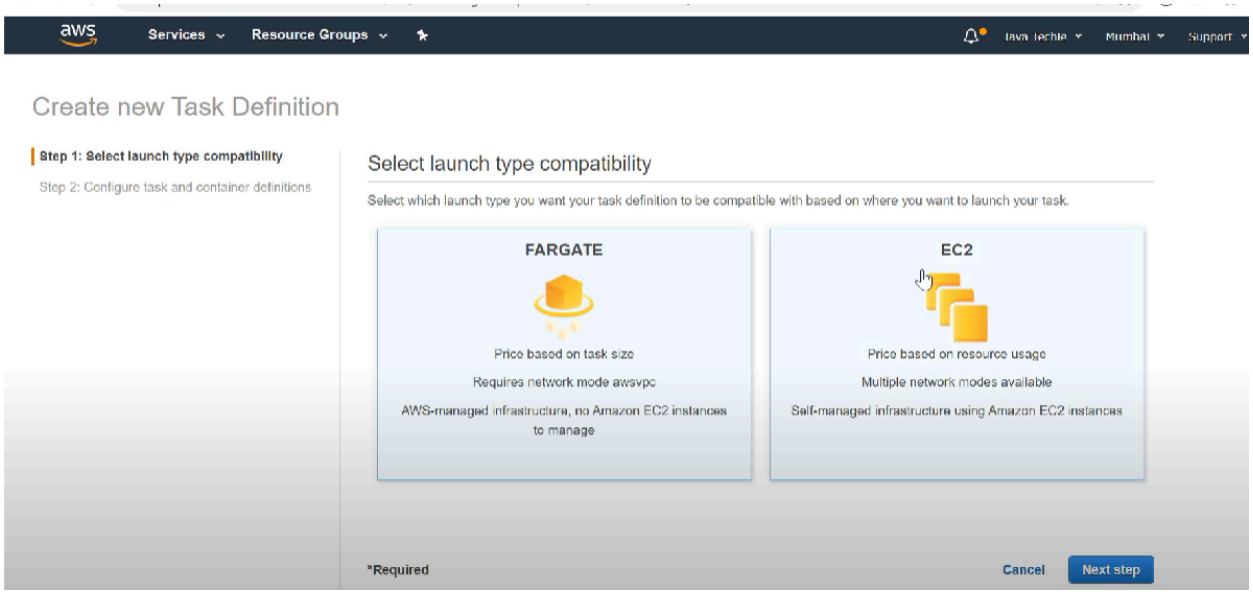
   - Support for **bridge**, **host**, and **AWS VPC networking** modes for flexibility.

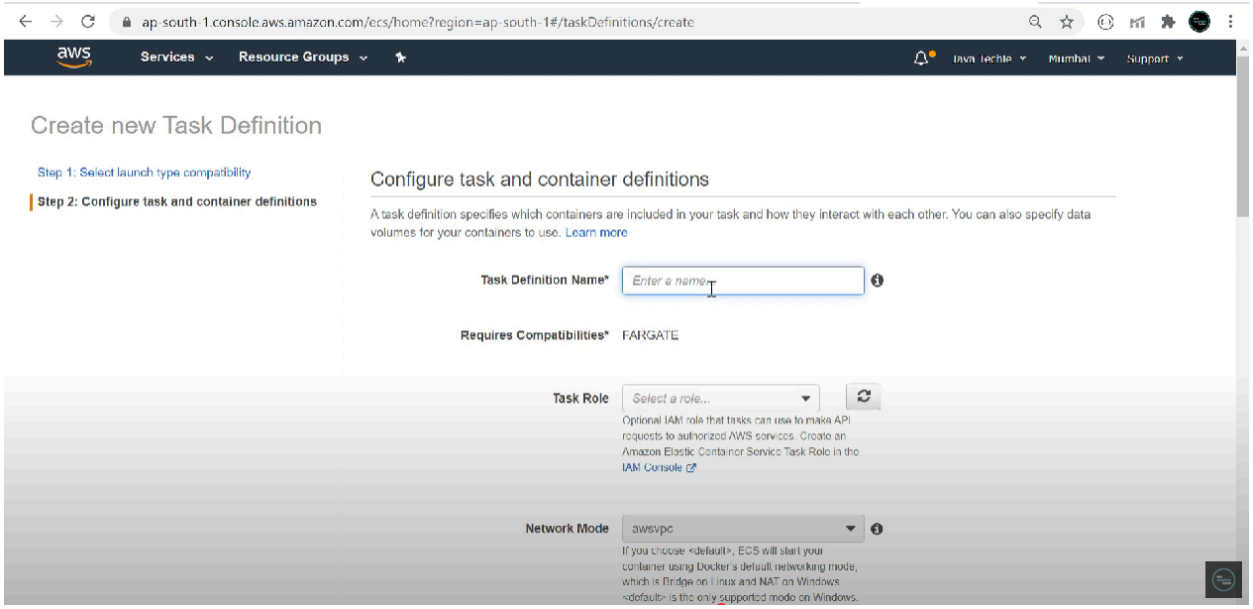


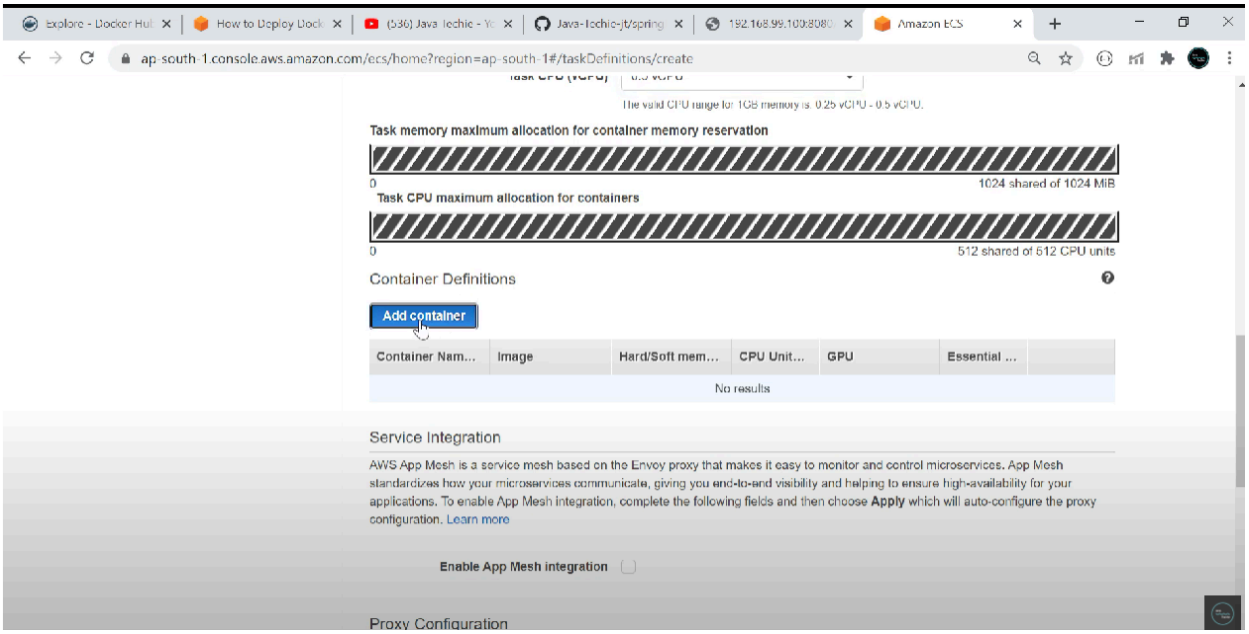




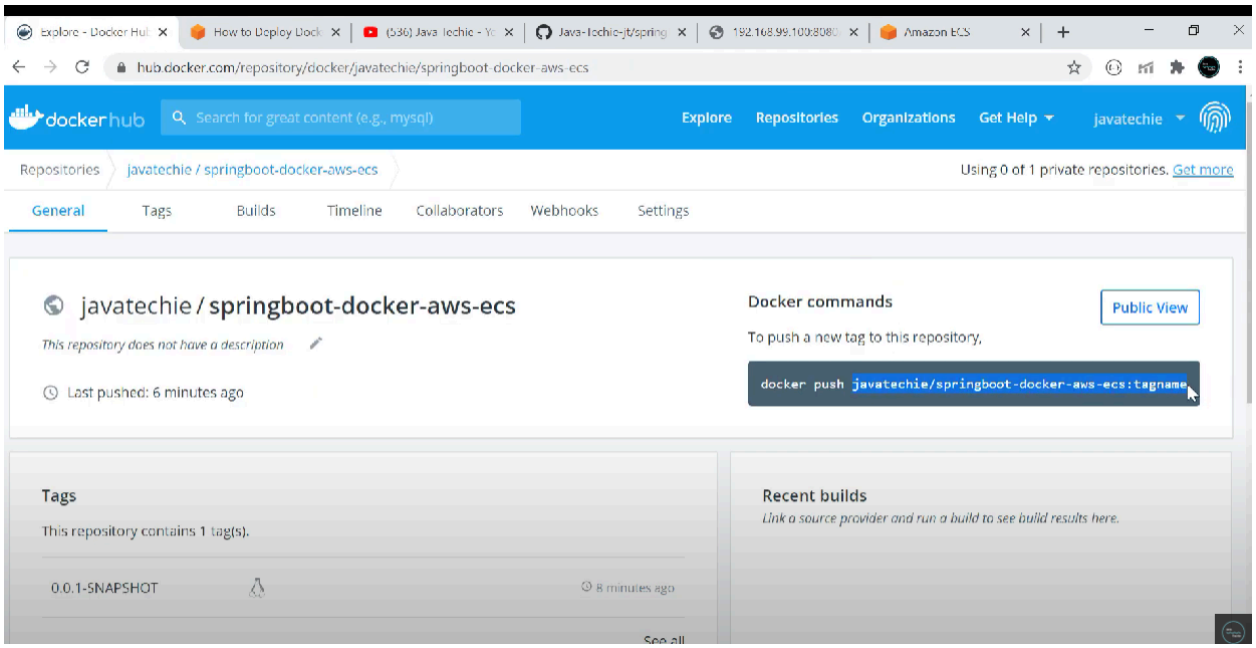
Anyone of this select

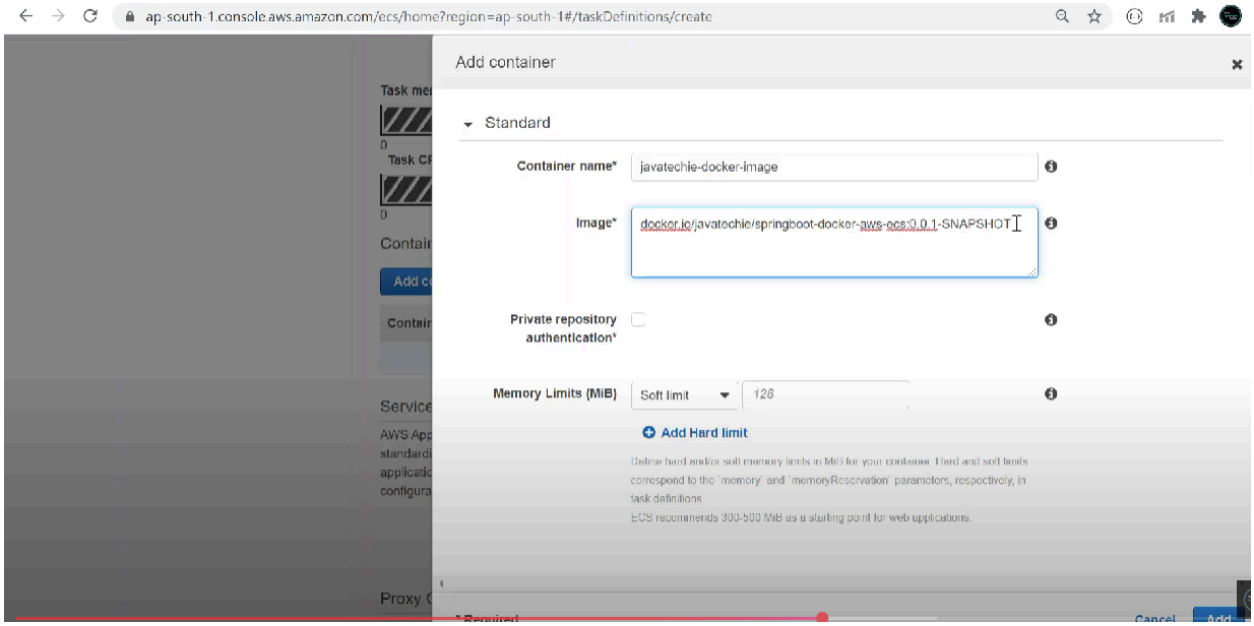

aws
Services
Resource Groups
Mumbai
Support
Create new Task Definition
Step 1: Select launch type compatibility
Step 2: Configure task and container definitions
Select launch type compatibility
Select which launch type you want your task definition to be compatible with based on where you want to launch your task.
FARGATE
Price based on task size
Requires network mode awsvpc
AWS-managed infrastructure, no Amazon EC2 instances to manage
EC2
Price based on resource usage
Multiple network modes available
Self-managed infrastructure using Amazon EC2 instances
*Required
Cancel
Next step

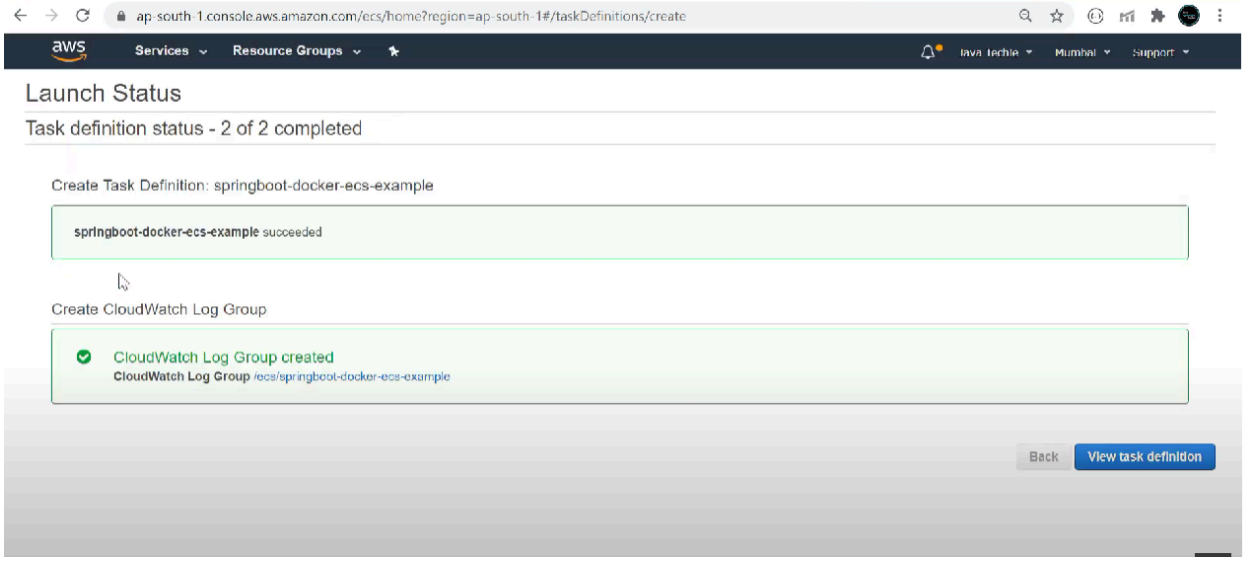

ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/taskDefinitions/create
aws
Services
Resource Groups
Mumbai
Support
Create new Task Definition
Step 1: Select launch type compatibility
Step 2: Configure task and container definitions
Configure task and container definitions
A task definition specifies which containers are included in your task and how they interact with each other. You can also specify data volumes for your containers to use. Learn more
Task Definition Name*
Enter a name
Requires Compatibilities*
FARGATE
Task Role
Select a role...
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. <default> is the only supported mode on Windows.



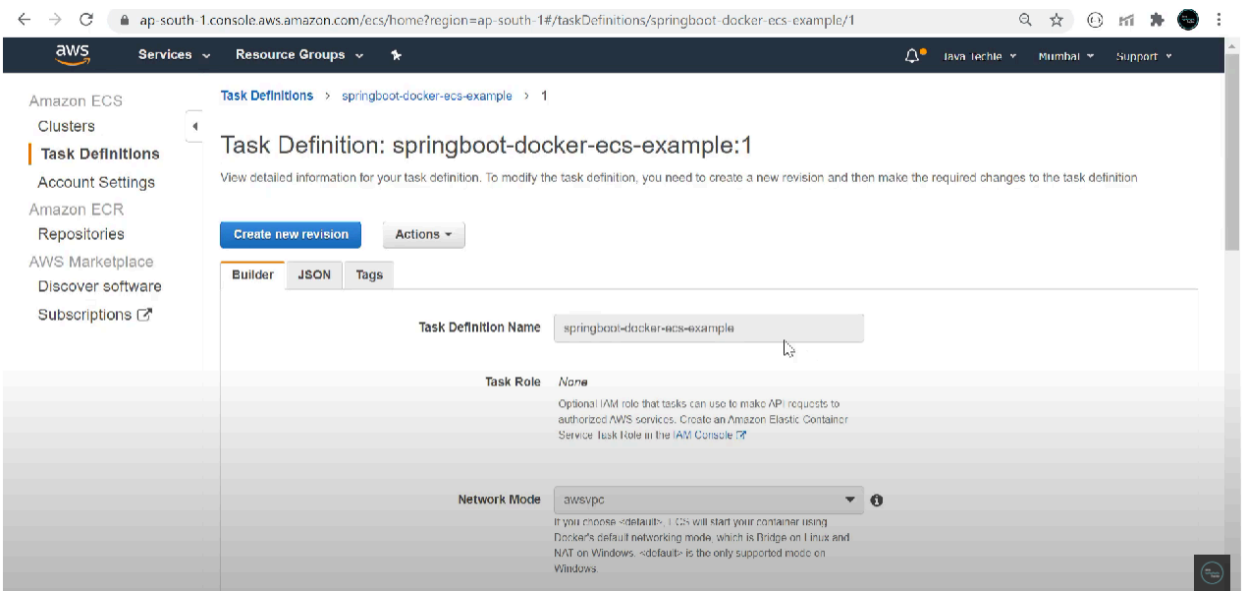
Creating container and pasting docker url and tag from the docker hub



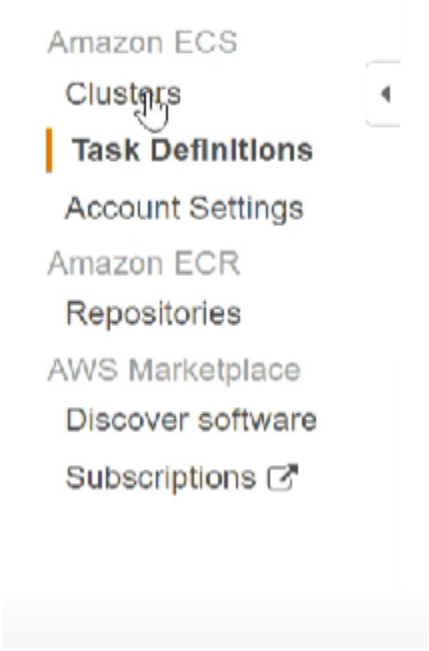


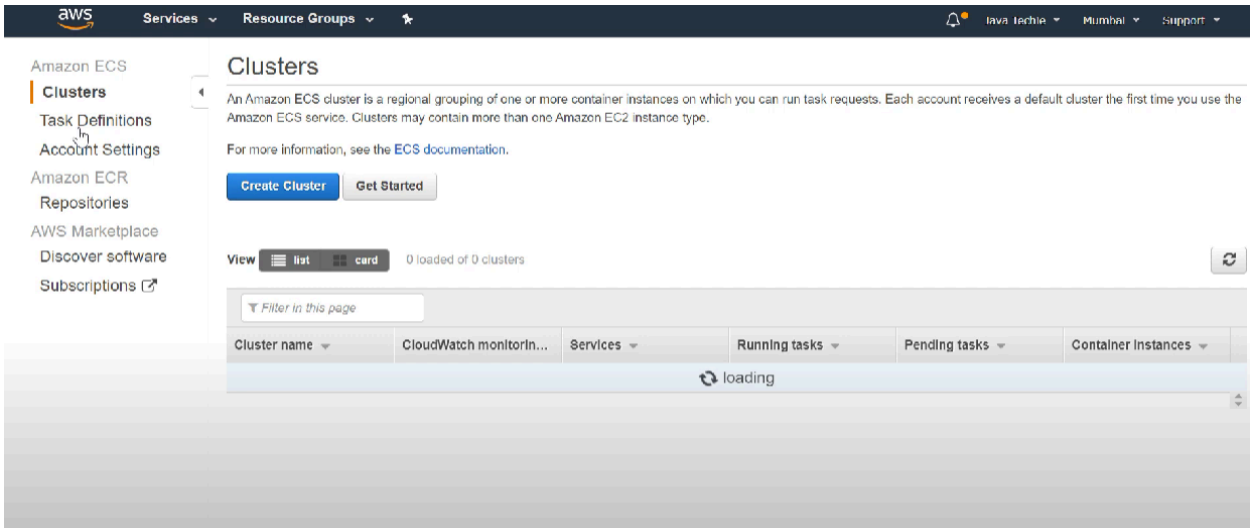


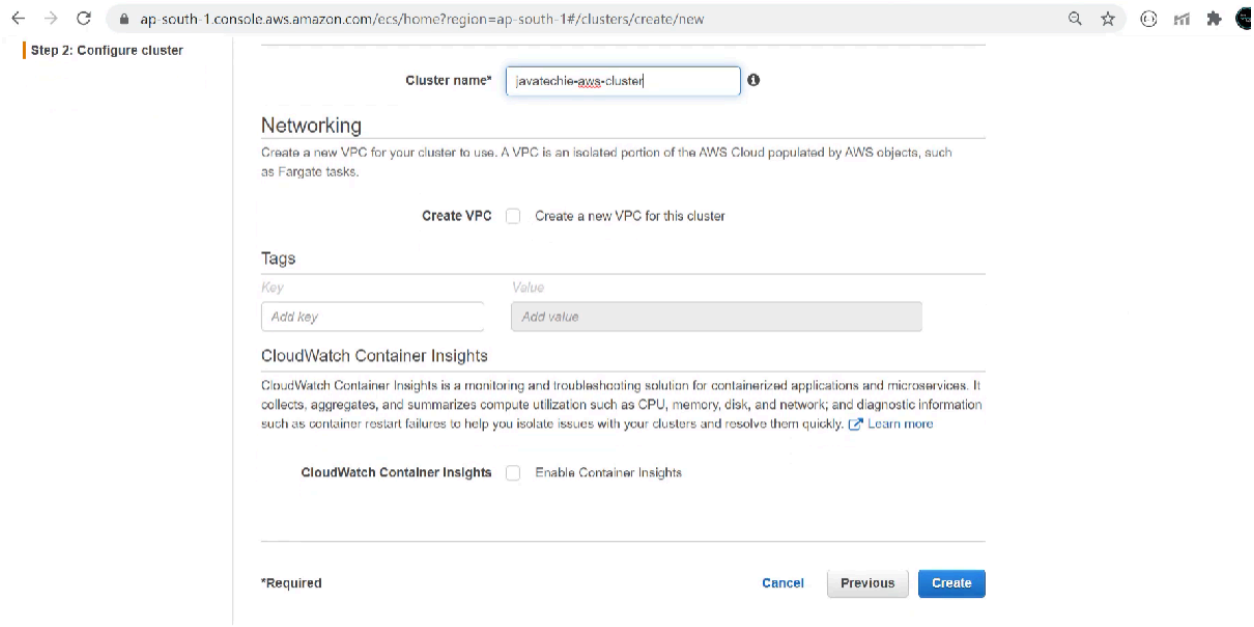
Task definition is created successfully

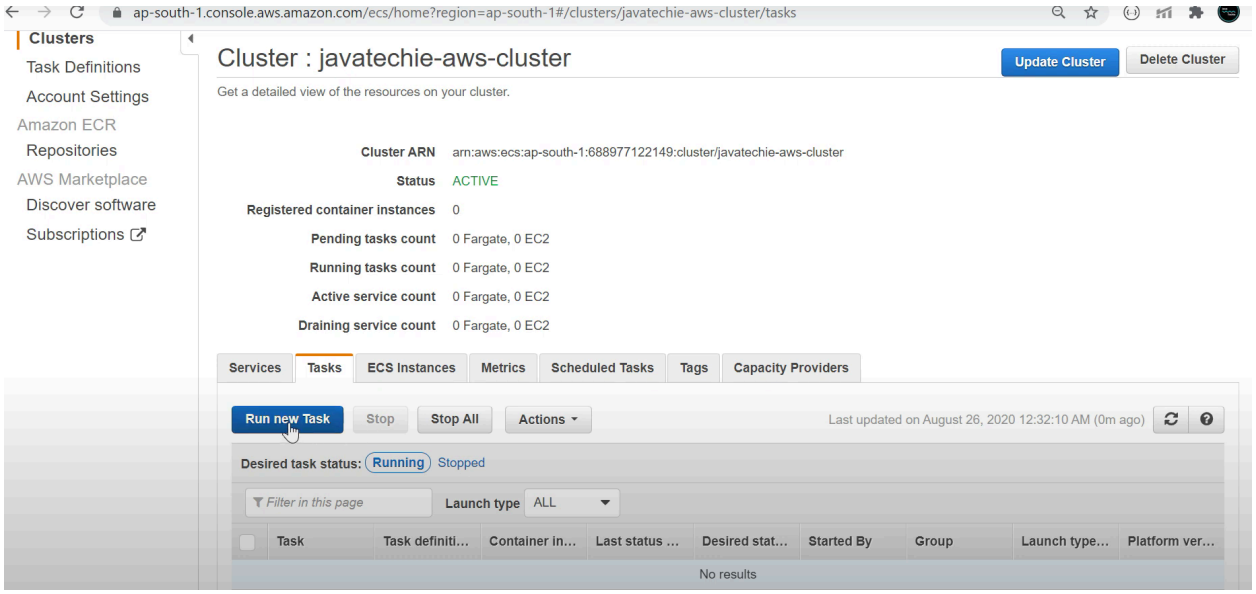


Now we need to create aws cluster where we can run our task definitions

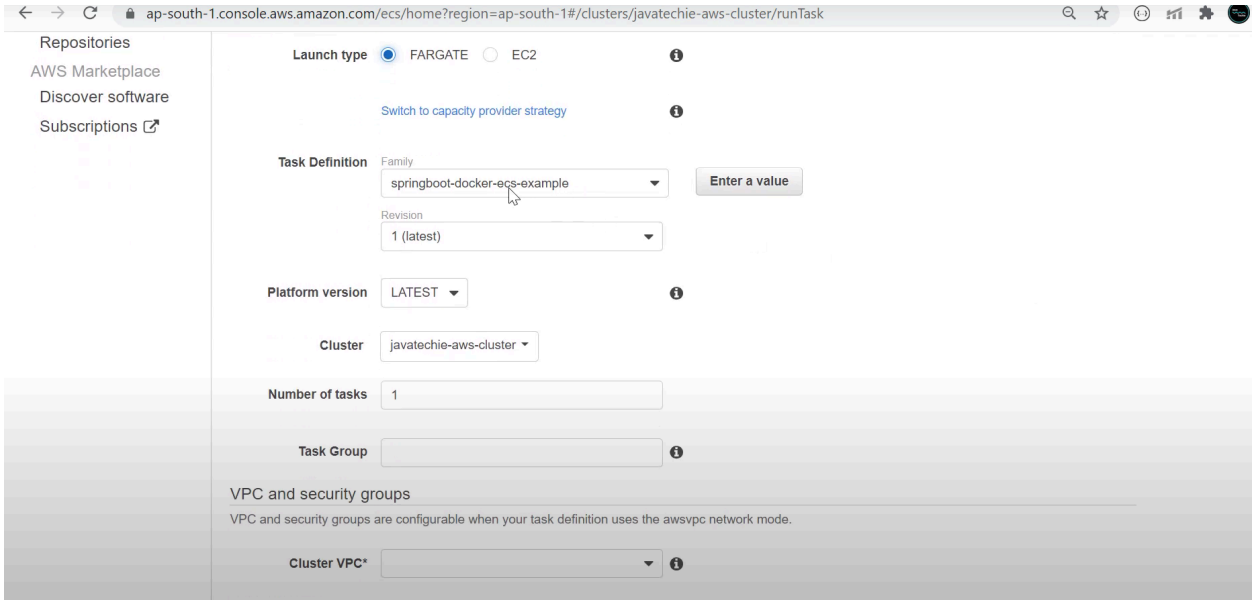


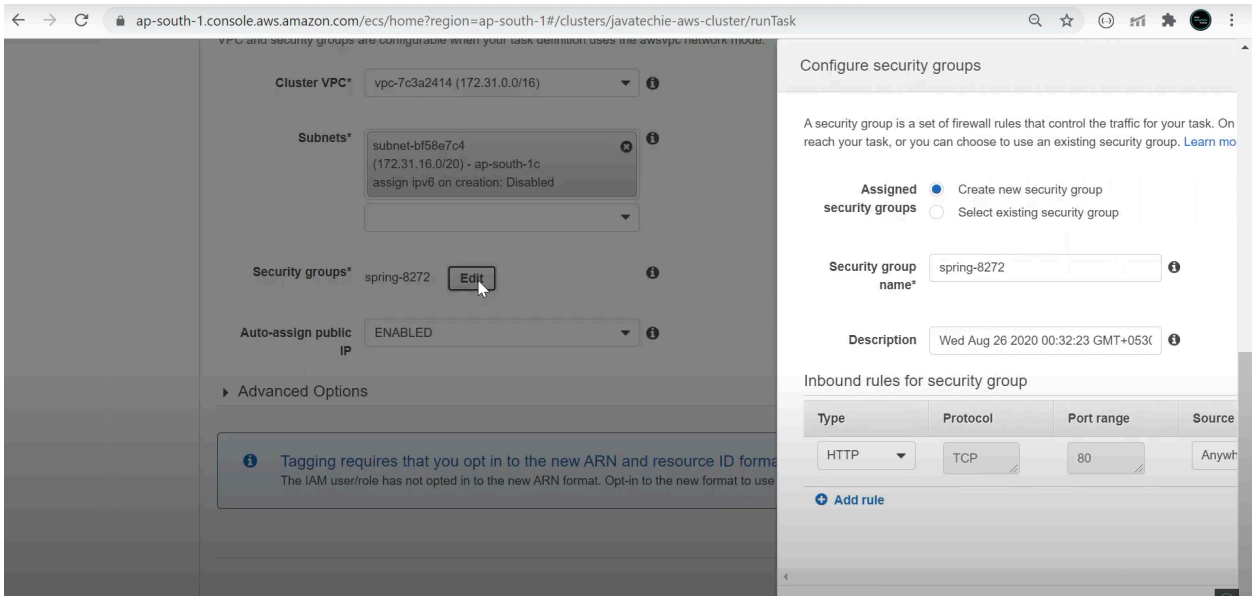

Services
Resource Groups
Java Techie
Mumbai
Support
Amazon ECS
Clusters
Task Definitions
Account Settings
Amazon ECR
Repositories
AWS Marketplace
Discover software
Subscriptions
Clusters
An Amazon ECS cluster is a regional grouping of one or more container instances on which you can run task requests. Each account receives a default cluster the first time you use the Amazon ECS service. Clusters may contain more than one Amazon EC2 instance type.
For more information, see the ECS documentation.
Create Cluster
Get Started
View
list
card
0 loaded of 0 clusters
Filter in this page
Cluster name
CloudWatch monitorin...
Services
Running tasks
Pending tasks
Container Instances
loading

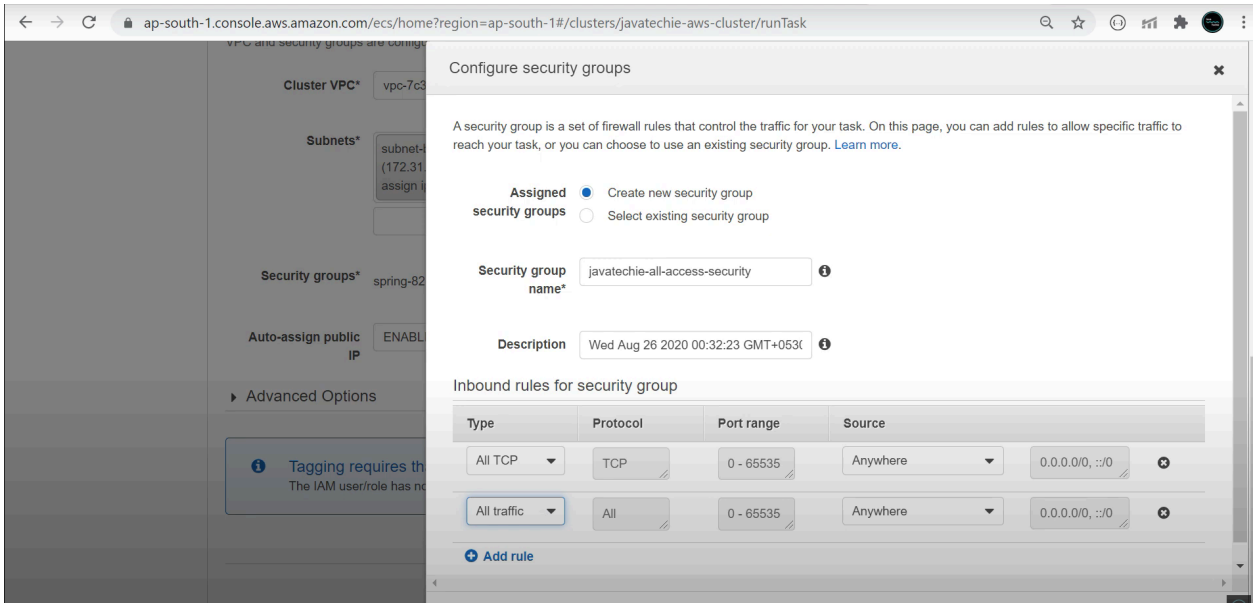

ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/create/new
Step 2: Configure cluster
Cluster name*
javatechie-aws-cluster
Networking
Create a new VPC for your cluster to use. A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Fargate tasks.
Create VPC
Create a new VPC for this cluster
Tags
Key
Value
Add key
Add value
CloudWatch Container Insights
CloudWatch Container Insights is a monitoring and troubleshooting solution for containerized applications and microservices. It collects, aggregates, and summarizes compute utilization such as CPU, memory, disk, and network; and diagnostic information such as container restart failures to help you isolate issues with your clusters and resolve them quickly. Learn more
CloudWatch Container Insights
Enable Container Insights
*Required
Cancel
Previous
Create

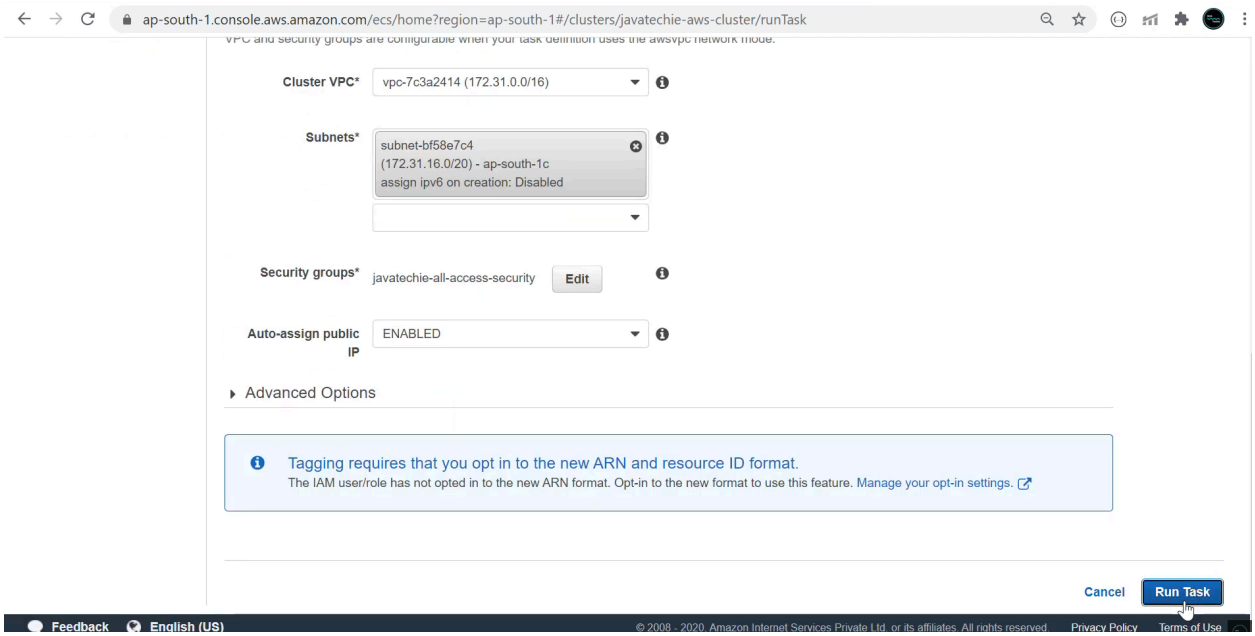


And select the task definition whatever we created




ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/javatechie-aws-cluster/runTask
Cluster VPC*
vpc-7c3a2414 (172.31.0.0/16)
Subnets*
subnet-bf58e7c4
(172.31.16.0/20) - ap-south-1c
assign ipv6 on creation: Disabled
Security groups*
spring-8272
Edit
Auto-assign public IP
ENABLED
Advanced Options
Tagging requires that you opt in to the new ARN and resource ID forma
The IAM user/role has not opted in to the new ARN format. Opt-in to the new format to use
Configure security groups
A security group is a set of firewall rules that control the traffic for your task. On
reach your task, or you can choose to use an existing security group. Learn mo
Assigned security groups
Create new security group
Select existing security group
Security group name*
spring-8272
Description
Wed Aug 26 2020 00:32:23 GMT+053(
Inbound rules for security group
Type
Protocol
Port range
Source
HTTP
TCP
80
Add rule


ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/javatechie-aws-cluster/runTask
Configure security groups
A security group is a set of firewall rules that control the traffic for your task. On this page, you can add rules to allow specific traffic to
reach your task, or you can choose to use an existing security group. Learn more.
Assigned security groups
Create new security group
Select existing security group
Security group name*
javatechie-all-access-security
Description
Wed Aug 26 2020 00:32:23 GMT+053(
Inbound rules for security group
Type
Protocol
Port range
Source
All TCP
TCP
0 - 65535
Anywhere
0.0.0.0/0, ::/0
All traffic
All
0 - 65535
Anywhere
0.0.0.0/0, ::/0
Add rule


ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/javatechie-aws-cluster/runTask
Cluster VPC*
vpc-7c3a2414 (172.31.0.0/16)
Subnets*
subnet-bf58e7c4
(172.31.16.0/20) - ap-south-1c
assign ipv6 on creation: Disabled
Security groups*
javatechie-all-access-security
Edit
Auto-assign public IP
ENABLED
Advanced Options
Tagging requires that you opt in to the new ARN and resource ID format.
The IAM user/role has not opted in to the new ARN format. Opt-in to the new format to use this feature. Manage your opt-in settings.
Cancel
Run Task
Feedback
English (US)
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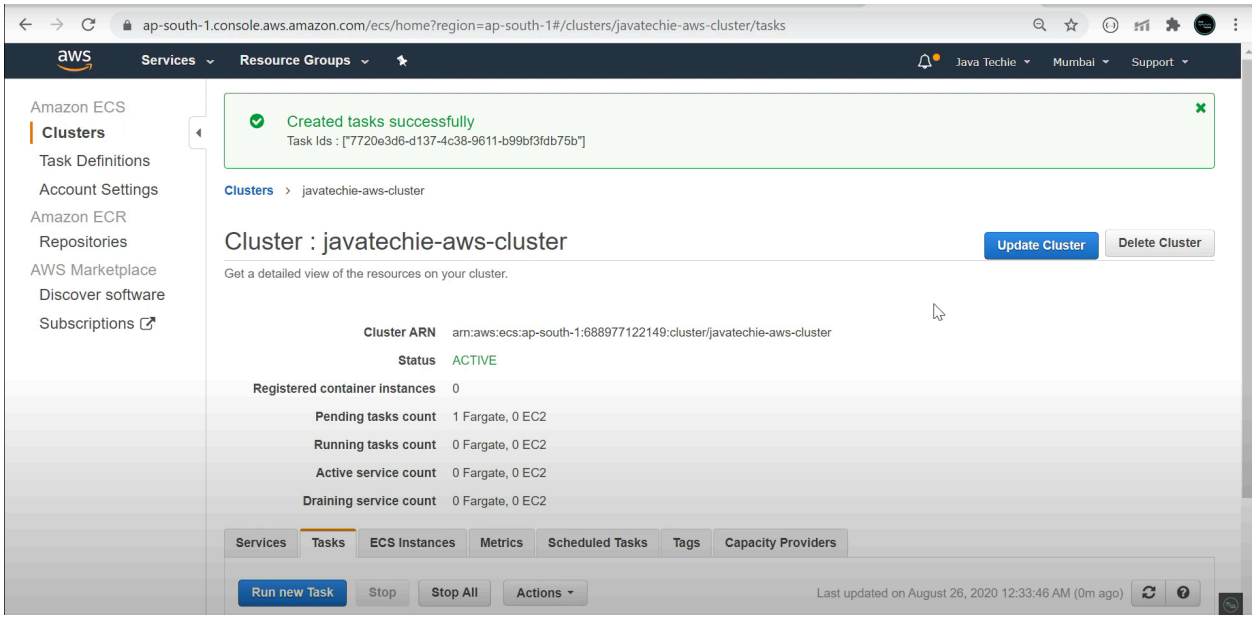
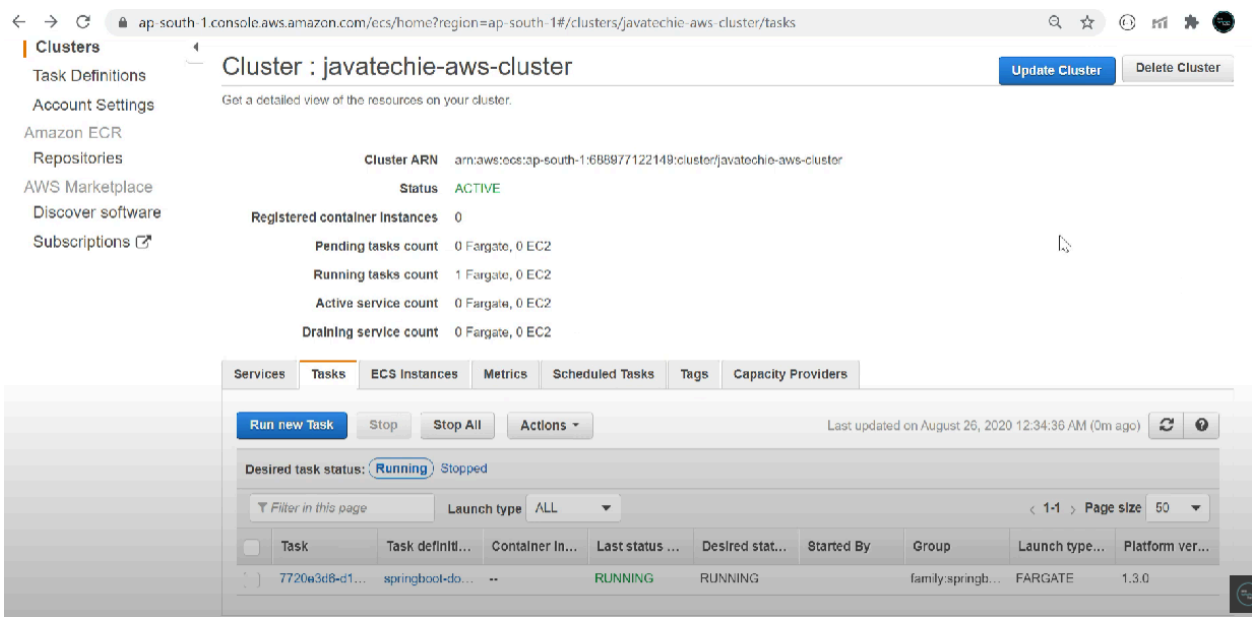
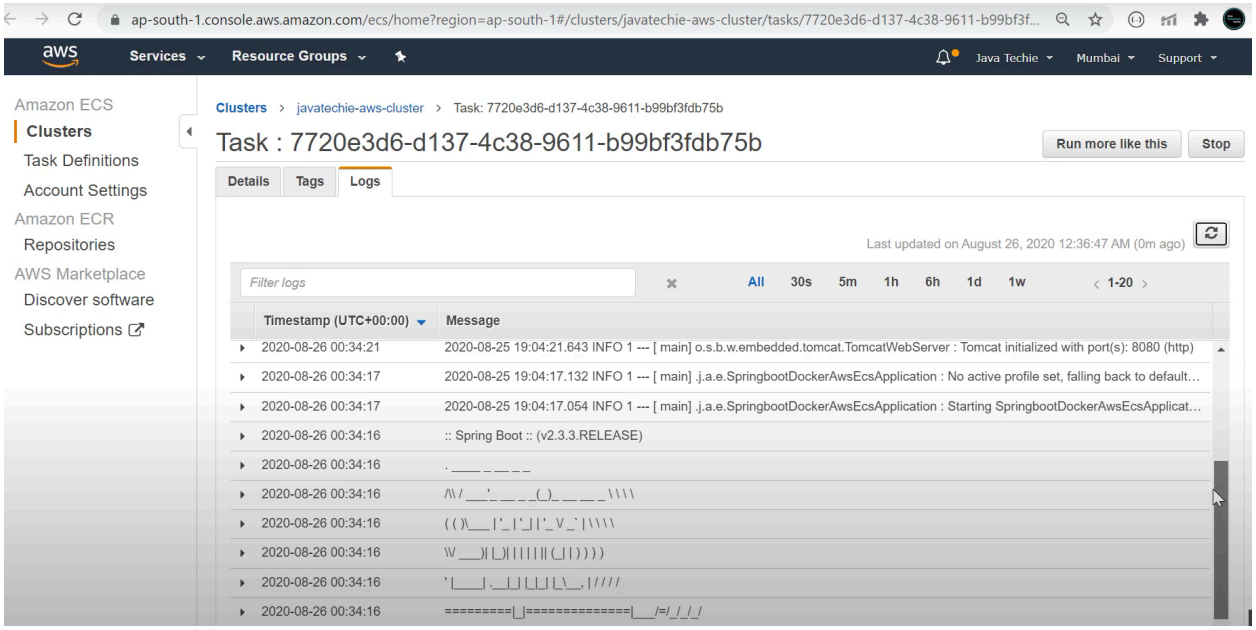
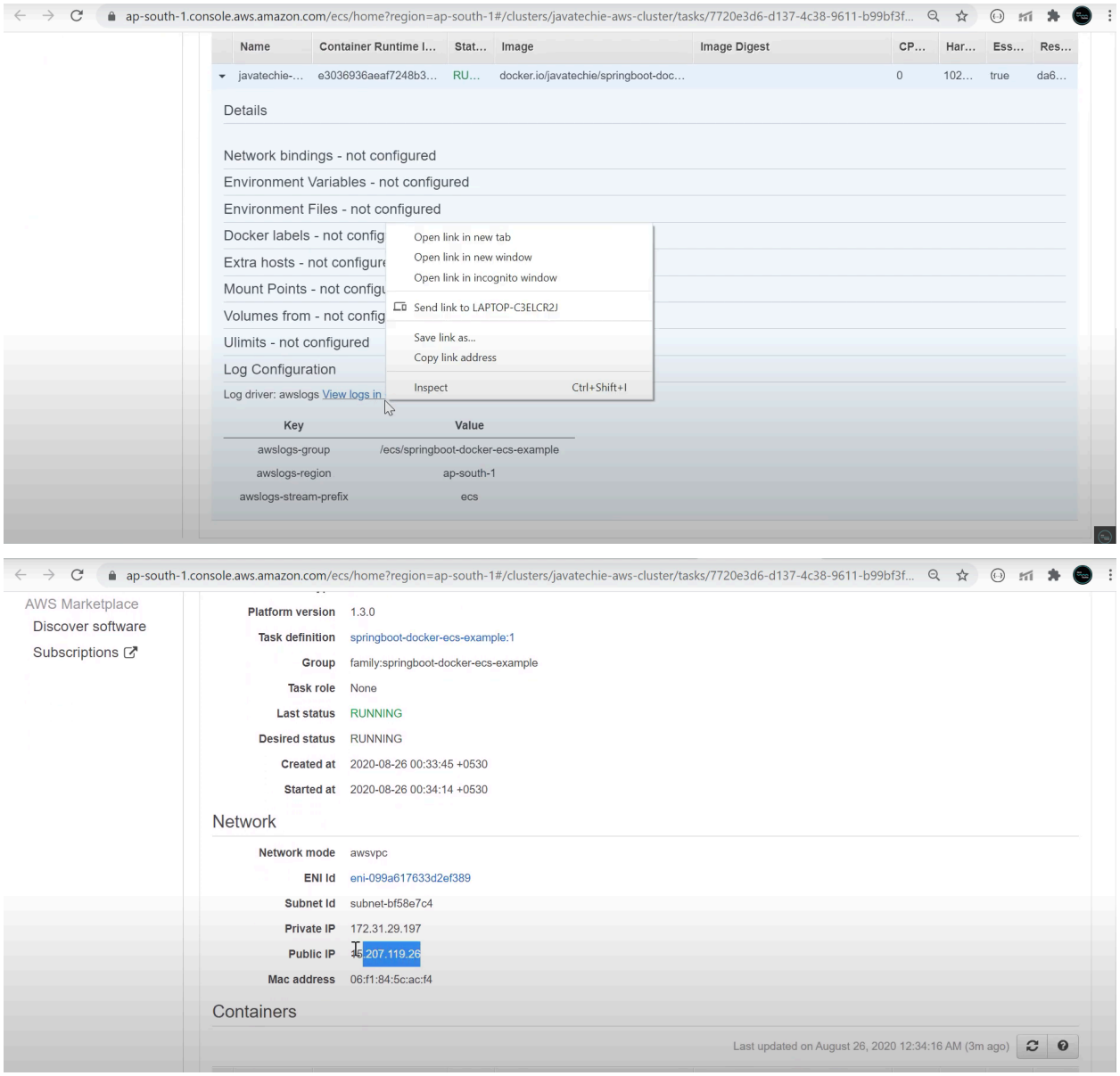
Privacy Policy
Terms of Use


ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/javatechie-aws-cluster/tasks
aws
Services
Resource Groups
Java Techie
Mumbai
Support
Amazon ECS
Clusters
Task Definitions
Account Settings
Amazon ECR
Repositories
AWS Marketplace
Discover software
Subscriptions
Created tasks successfully
Task Ids : ["7720e3d6-d137-4c38-9611-b99bf3fdb75b"]
Clusters
javatechie-aws-cluster
Cluster : javatechie-aws-cluster
Update Cluster
Delete Cluster
Get a detailed view of the resources on your cluster.
Cluster ARN
arn:aws:ecs:ap-south-1:688977122149:cluster/javatechie-aws-cluster
Status
ACTIVE
Registered container instances
0
Pending tasks count
1 Fargate, 0 EC2
Running tasks count
0 Fargate, 0 EC2
Active service count
0 Fargate, 0 EC2
Draining service count
0 Fargate, 0 EC2
Services
Tasks
ECS Instances
Metrics
Scheduled Tasks
Tags
Capacity Providers
Run new Task
Stop
Stop All
Actions
Last updated on August 26, 2020 12:33:46 AM (0m ago)


ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/javatechie-aws-cluster/tasks
Clusters
Task Definitions
Account Settings
Amazon ECR
Repositories
AWS Marketplace
Discover software
Subscriptions
Cluster : javatechie-aws-cluster
Update Cluster
Delete Cluster
Get a detailed view of the resources on your cluster.
Cluster ARN arn:aws:ecs:ap-south-1:688977122149:cluster/javatechie-aws-cluster
Status ACTIVE
Registered container instances 0
Pending tasks count 0 Fargate, 0 EC2
Running tasks count 1 Fargate, 0 EC2
Active service count 0 Fargate, 0 EC2
Draining service count 0 Fargate, 0 EC2
Services
Tasks
ECS Instances
Metrics
Scheduled Tasks
Tags
Capacity Providers
Run new Task
Stop
Stop All
Actions
Last updated on August 26, 2020 12:34:36 AM (0m ago)
Desired task status: Running Stopped
Filter in this page
Launch type ALL
1-1
Page size 50
Task
Task definit...
Container In...
Last status ...
Desired stat...
Started By
Group
Launch type...
Platform ver...
7720e3d8-d1...
springbool-do...
--
RUNNING
RUNNING
family:springb...
FARGATE
1.3.0

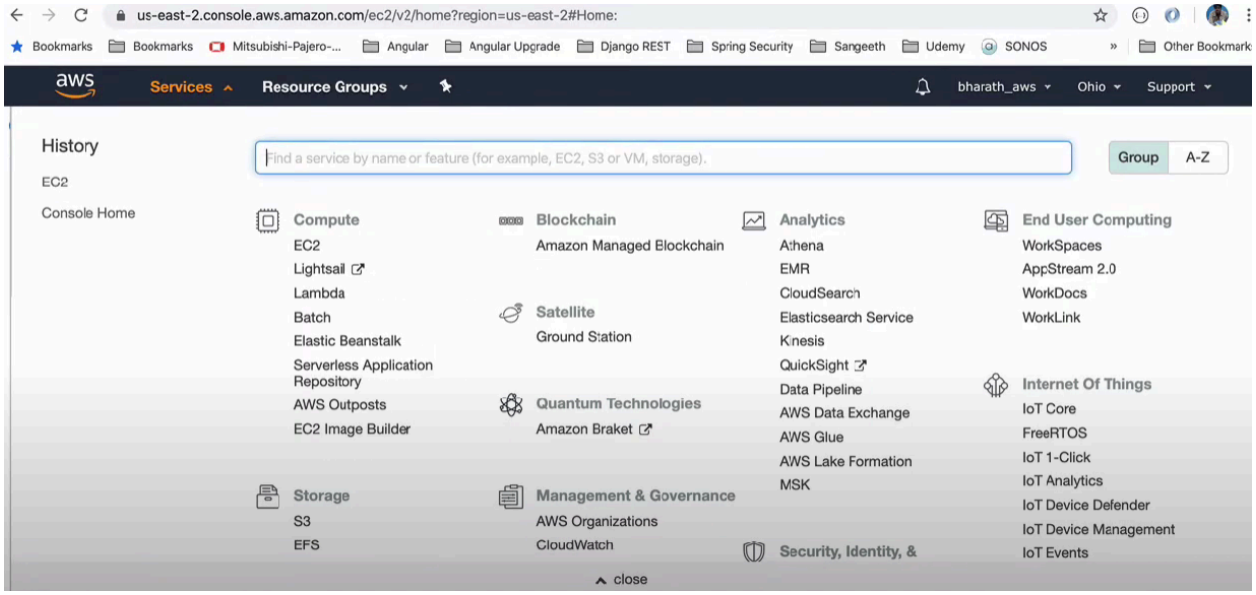

ap-south-1.console.aws.amazon.com/ecs/home?region=ap-south-1#/clusters/javatechie-aws-cluster/tasks/7720e3d6-d137-4c38-9611-b99bf3f...
aws
Services
Resource Groups
Java Techie
Mumbai
Support
Amazon ECS
Clusters
Task Definitions
Account Settings
Amazon ECR
Repositories
AWS Marketplace
Discover software
Subscriptions
Clusters > javatechie-aws-cluster > Task: 7720e3d6-d137-4c38-9611-b99bf3fdb75b
Task : 7720e3d6-d137-4c38-9611-b99bf3fdb75b
Run more like this
Stop
Details
Tags
Logs
Last updated on August 26, 2020 12:36:47 AM (0m ago)
Filter logs
All
30s
5m
1h
6h
1d
1w
1-20
Timestamp (UTC+00:00)
Message
2020-08-26 00:34:21 2020-08-25 19:04:21.643 INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2020-08-26 00:34:17 2020-08-25 19:04:17.132 INFO 1 --- [main] .j.a.e.SpringbootDockerAwsEcsApplication : No active profile set, falling back to default...
2020-08-26 00:34:17 2020-08-25 19:04:17.054 INFO 1 --- [main] .j.a.e.SpringbootDockerAwsEcsApplication : Starting SpringbootDockerAwsEcsApplicat...
2020-08-26 00:34:16 :: Spring Boot :: (v2.3.3.RELEASE)
2020-08-26 00:34:16 . ____ _ __ _ _
2020-08-26 00:34:16 /\\ / ___'_ __ _ _(_)_ __ __ _ \ \ \ \
2020-08-26 00:34:16 (( )___ | '_ | '_| | '_ \/ _` | \ \ \ \
2020-08-26 00:34:16 \\/ ___)| |_)| | | | | || (_| |))))
2020-08-26 00:34:16 ' |____| .__|_| |_|_| |___, | / / / /
2020-08-26 00:34:16 =========|_|==============|___/=/_/_/_/



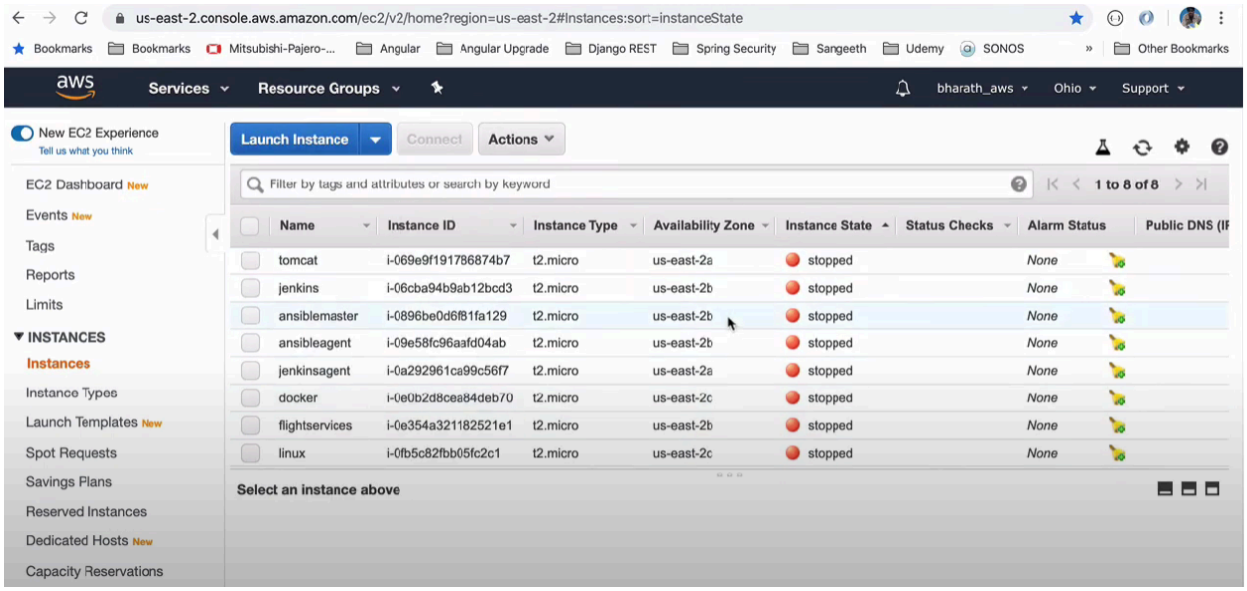
We copy the public ip along with port number then we can see the application result

Just other way , where we use EC2 ,S3 instead ECS

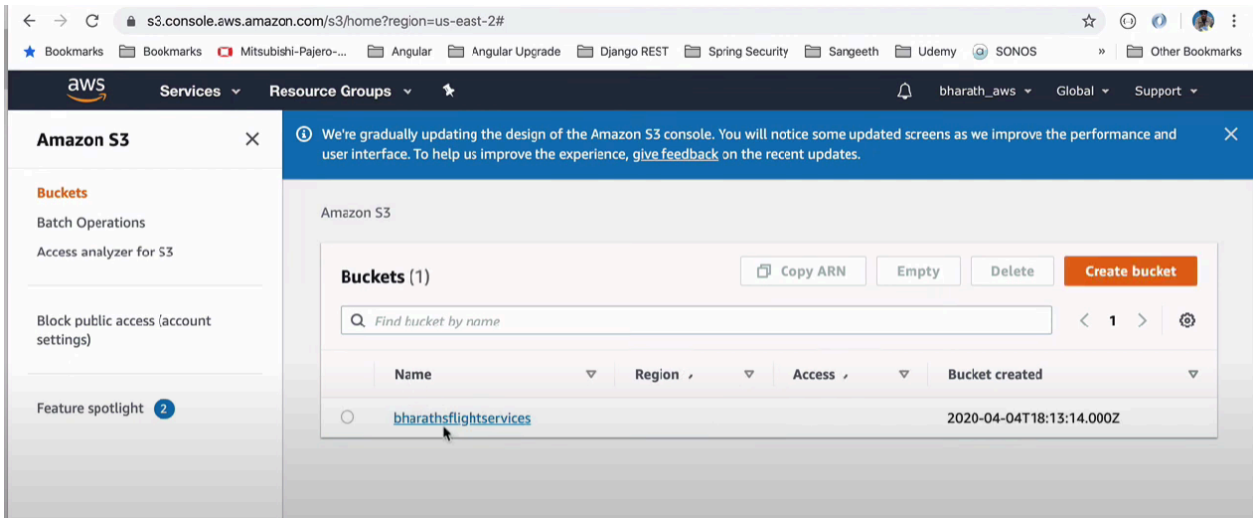
We need to sign in to aws login page



Here we need mainly EC2 instances under compute and here will create instances/machines where we can deploy our applications.

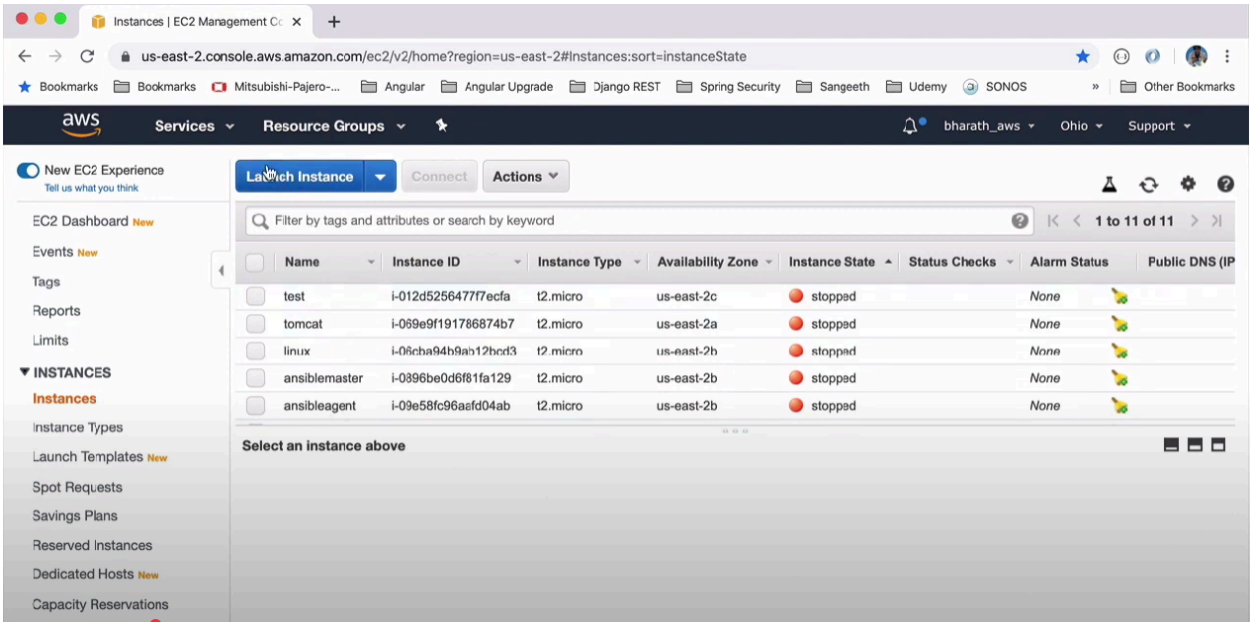


S3 under storage is used where we can apply jar files by creating buckets.

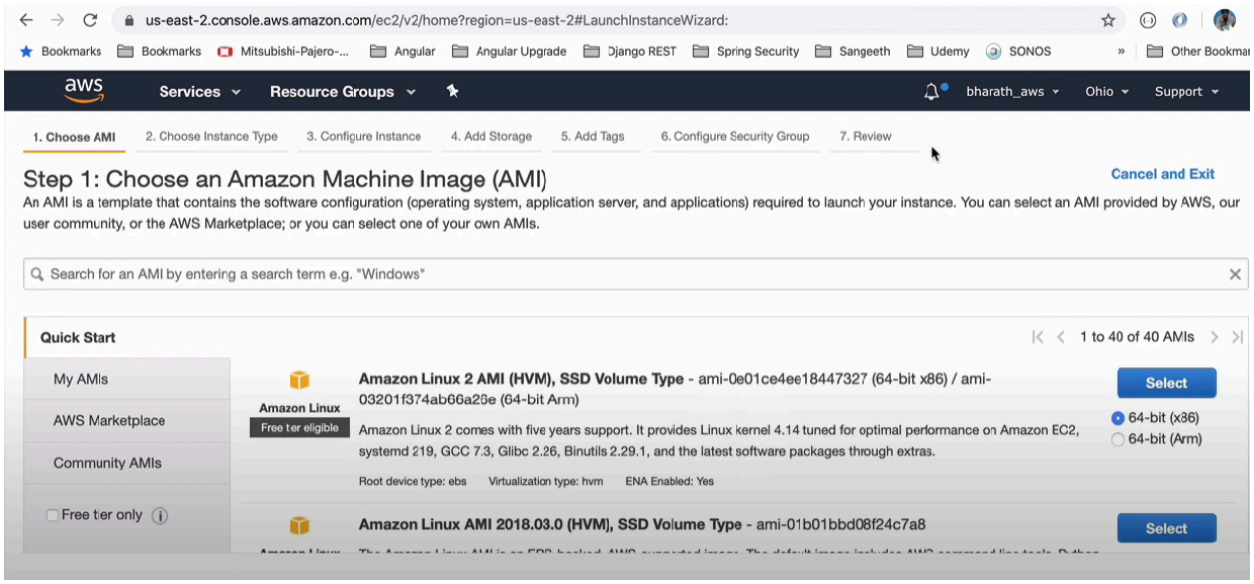


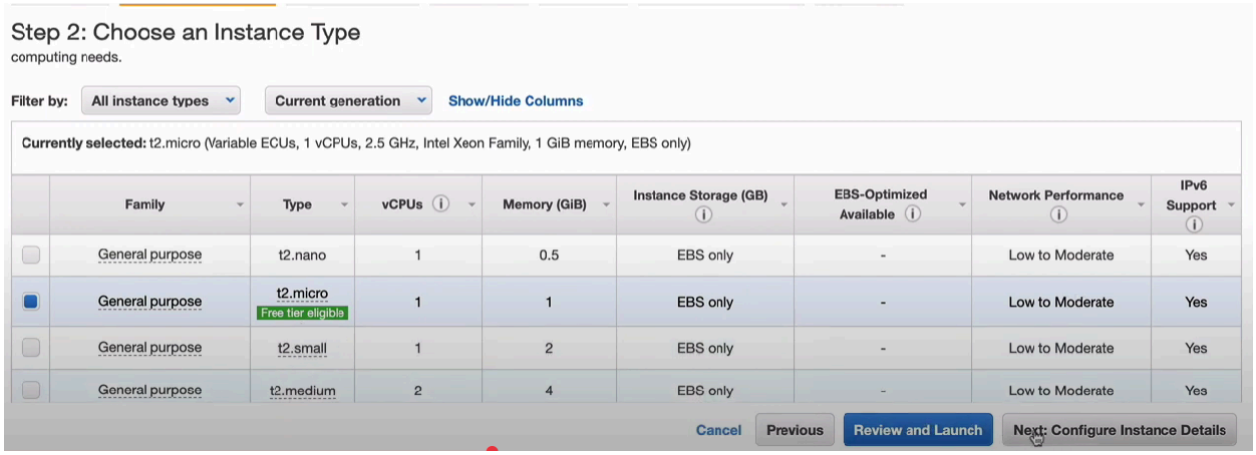
..

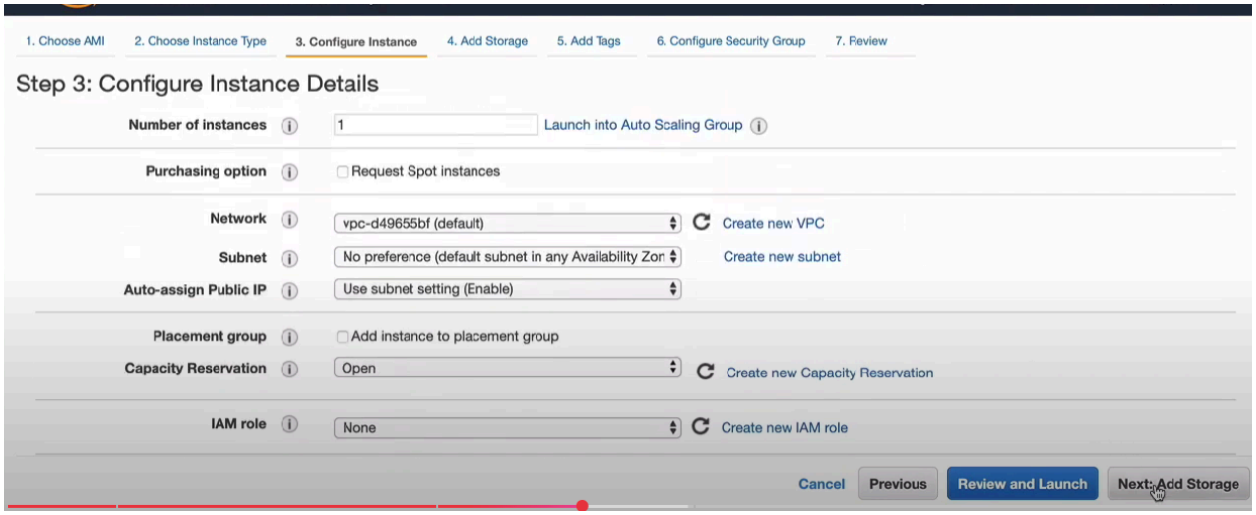
To create a new instance click on launch instance and complete the 7 step mentioned.

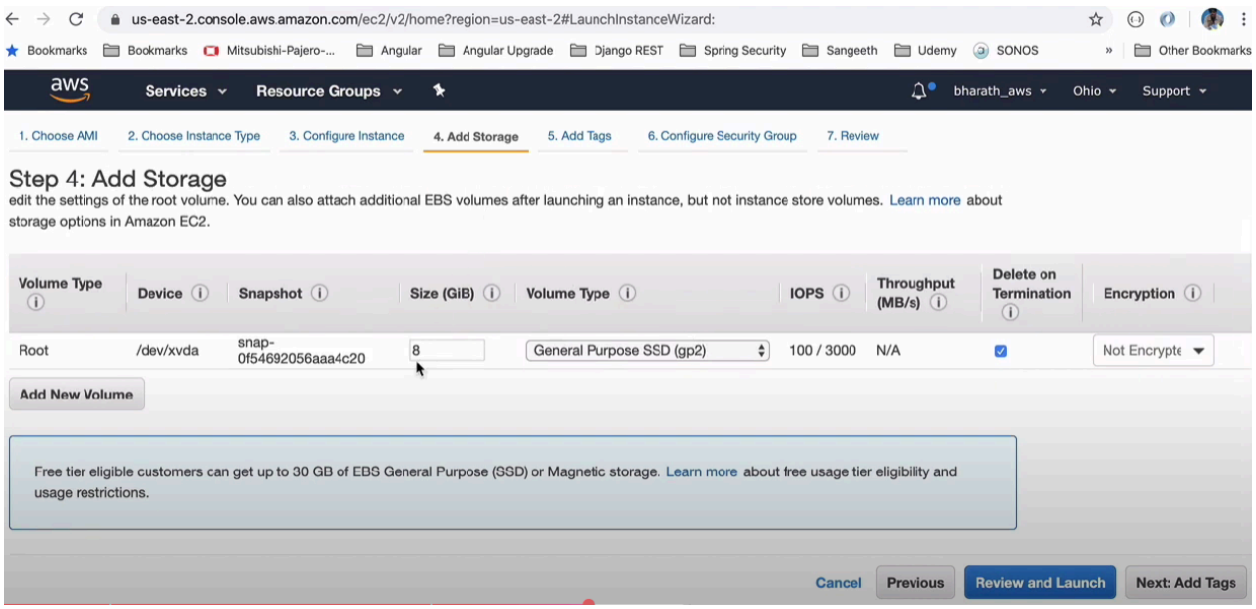


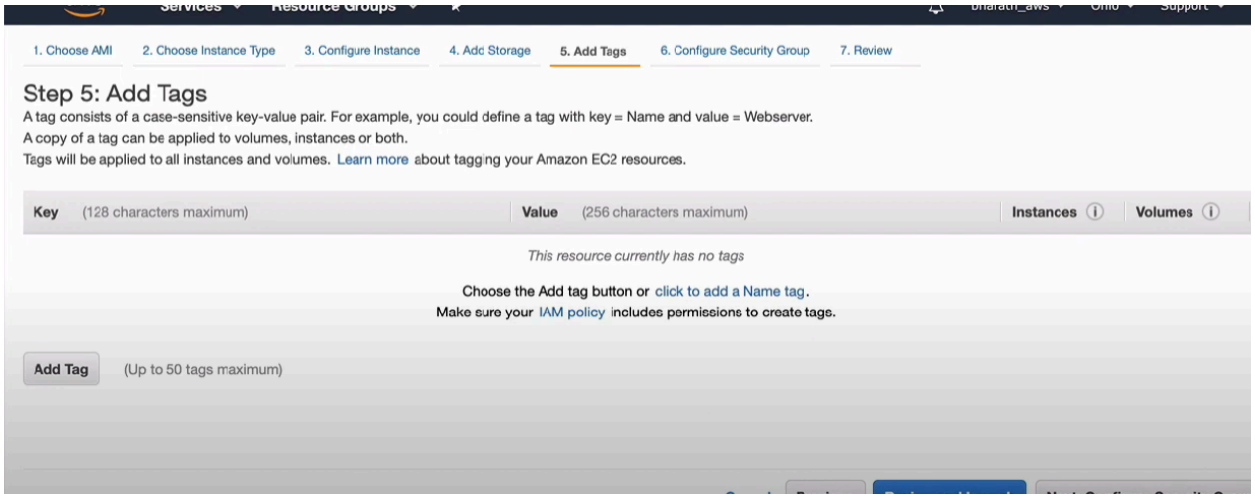
Select the prebuilt AMI and other how many instance(machines) you need

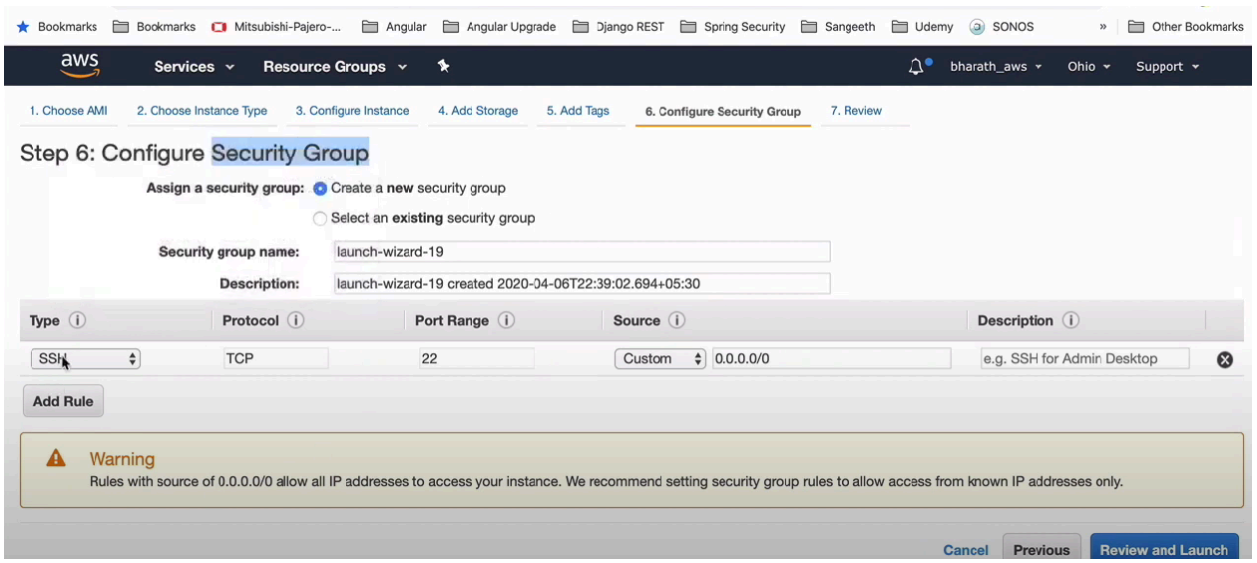


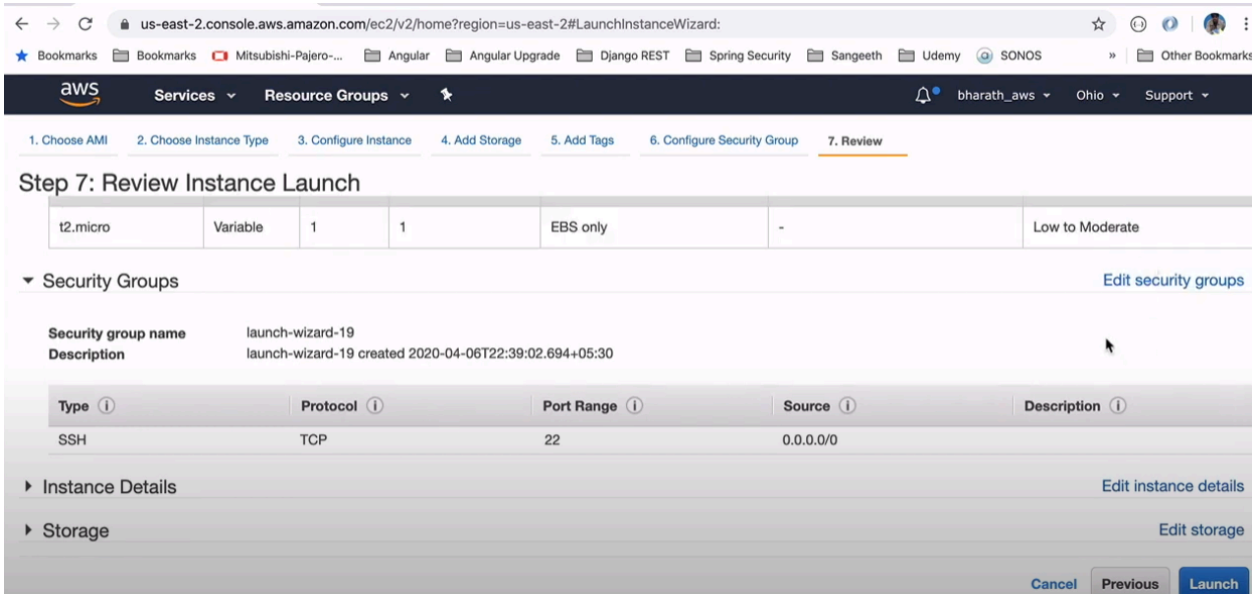

Step 2: Choose an Instance Type
computing needs.
Filter by: All instance types Current generation Show/Hide Columns
Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)
Family Type vCPUs Memory (GiB) Instance Storage (GB) EBS-Optimized Available Network Performance IPv6 Support
General purpose t2.nano 1 0.5 EBS only - Low to Moderate Yes
General purpose t2.micro Free tier eligible 1 1 EBS only - Low to Moderate Yes
General purpose t2.small 1 2 EBS only - Low to Moderate Yes
General purpose t2.medium 2 4 EBS only - Low to Moderate Yes
Cancel Previous Review and Launch Next: Configure Instance Details

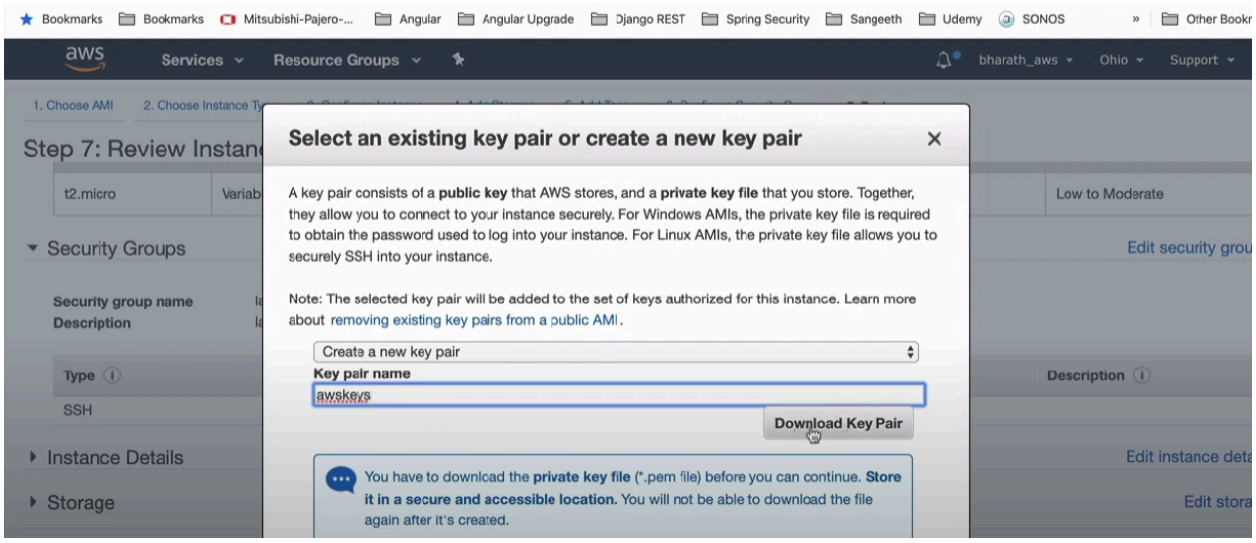

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review
Step 3: Configure Instance Details
Number of instances 1 Launch into Auto Scaling Group
Purchasing option Request Spot instances
Network vpc-d49655bf (default) Create new VPC
Subnet No preference (default subnet in any Availability Zon Create new subnet
Auto-assign Public IP Use subnet setting (Enable)
Placement group Add instance to placement group
Capacity Reservation Open Create new Capacity Reservation
IAM role None Create new IAM role
Cancel Previous Review and Launch Next: Add Storage

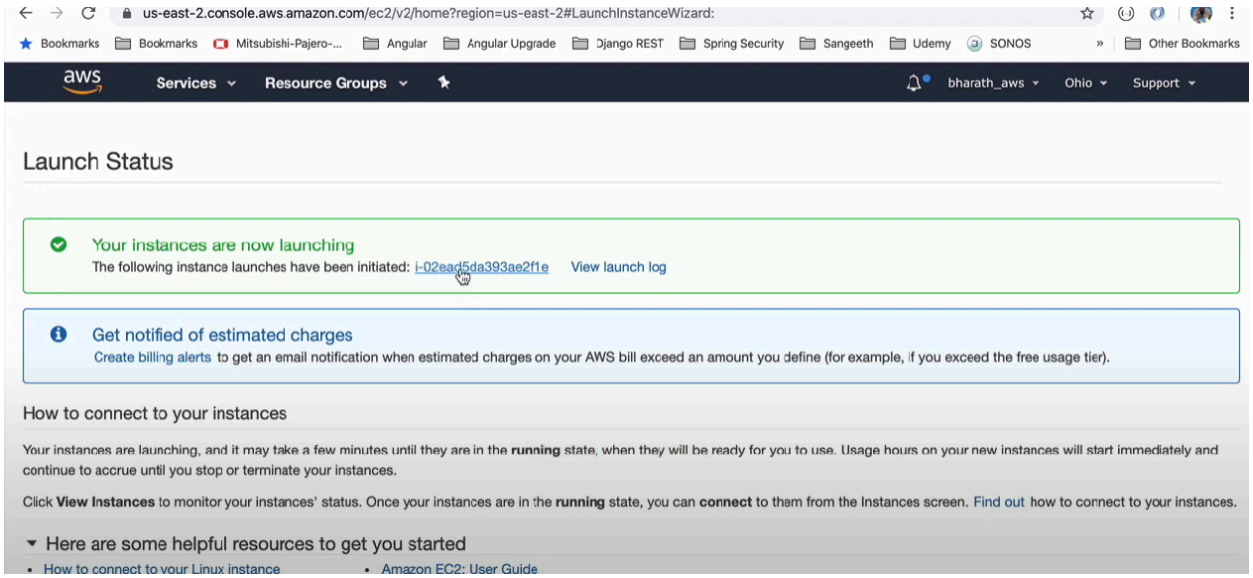

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Bookmarks Bookmarks Mitsubishi-Pajero-... Angular Angular Upgrade Django REST Spring Security Sangeeth Udemy SONOS Other Bookmarks
aws Services Resource Groups bharath_aws Ohio Support
1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review
Step 4: Add Storage
edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type Device Snapshot Size (GiB) Volume Type IOPS Throughput (MB/s) Delete on Termination Encryption
Root /dev/xvda snap-0f54692056aaa4c20 8 General Purpose SSD (gp2) 100 / 3000 N/A Not Encrypte
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel Previous Review and Launch Next: Add Tags

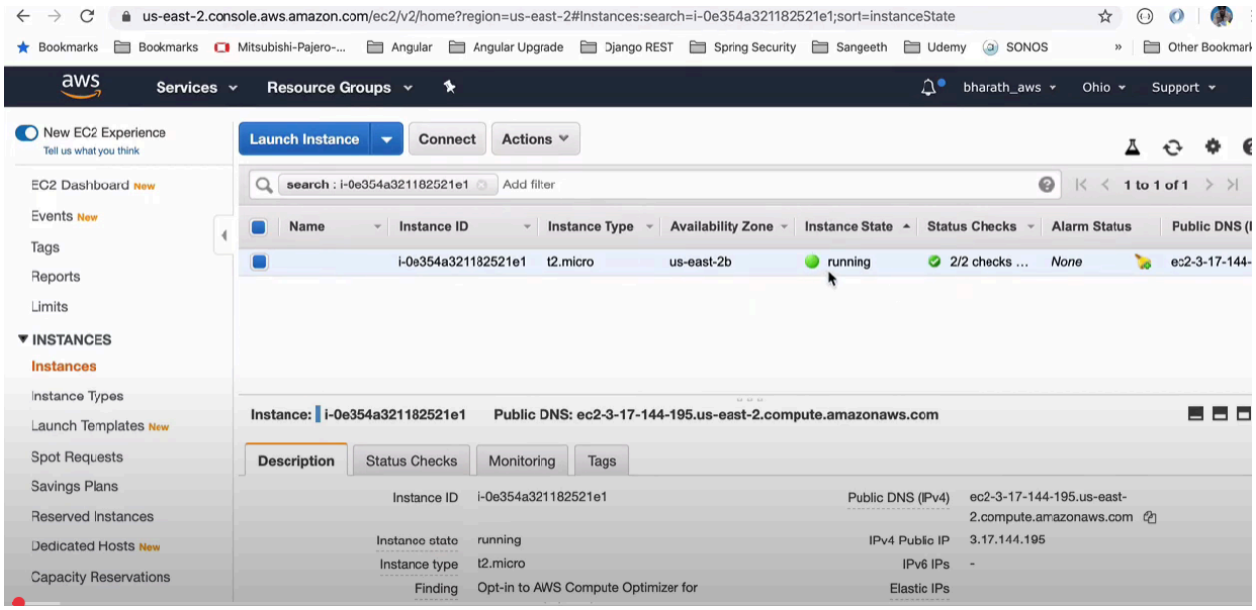

1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 5: Add Tags
A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.
Key (128 characters maximum)
Value (256 characters maximum)
Instances
Volumes
This resource currently has no tags
Choose the Add tag button or click to add a Name tag.
Make sure your IAM policy includes permissions to create tags.
Add Tag
(Up to 50 tags maximum)


Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookmarks
aws
Services
Resource Groups
bharath_aws
Ohio
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
Assign a security group: Create a new security group
Select an existing security group
Security group name: launch-wizard-19
Description: launch-wizard-19 created 2020-04-06T22:39:02.694+05:30
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch

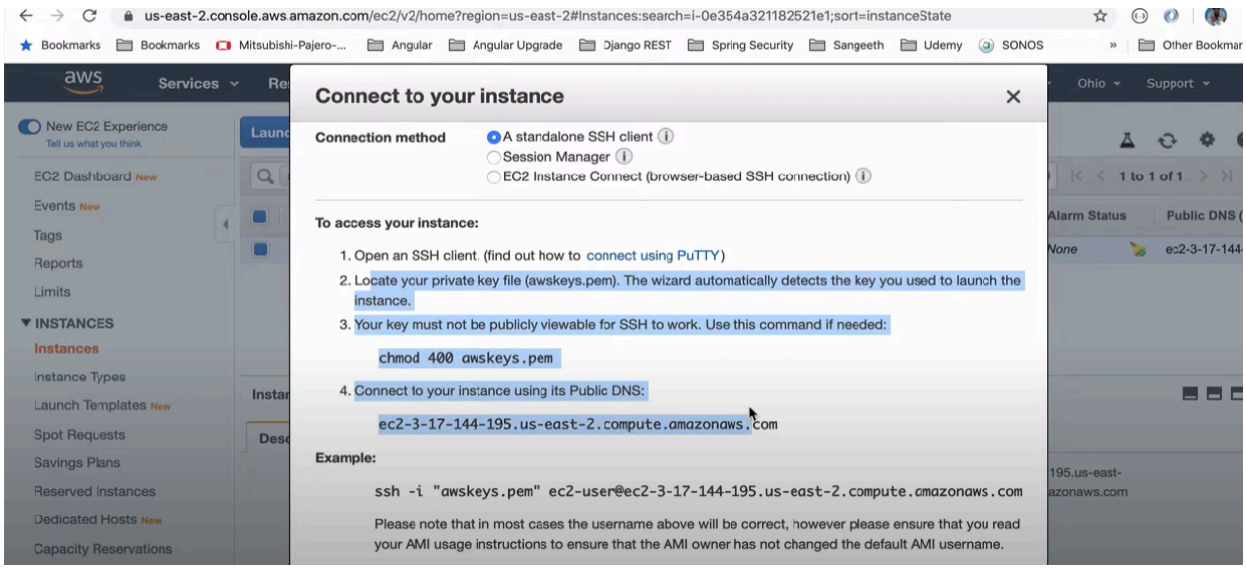

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookmarks
aws
Services
Resource Groups
bharath_aws
Ohio
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
t2.micro
Variable
1
1
EBS only
-
Low to Moderate
Security Groups
Edit security groups
Security group name launch-wizard-19
Description launch-wizard-19 created 2020-04-06T22:39:02.694+05:30
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
0.0.0.0/0
Instance Details
Edit instance details
Storage
Edit storage
Cancel
Previous
Launch

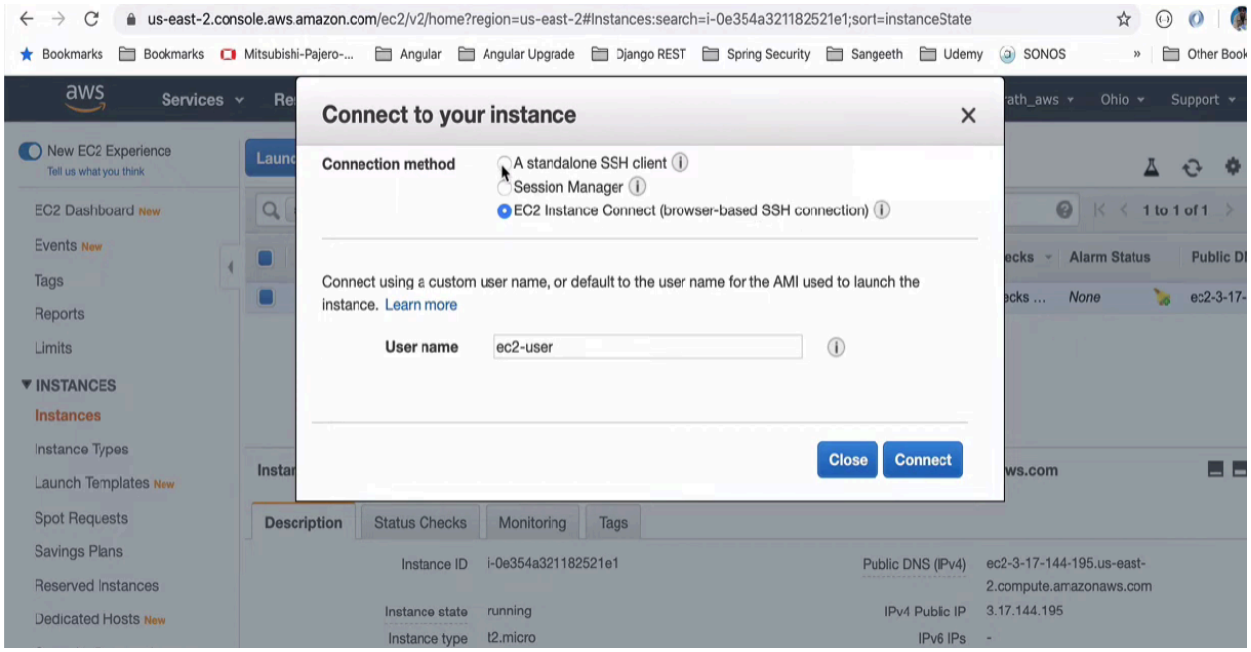

Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookr
aws
Services
Resource Groups
bharath_aws
Ohio
Support
Step 7: Review Instan
t2.micro
Low to Moderate
Security Groups
Edit security grou
Security group name
Description
Type
Description
SSH
Instance Details
Edit instance deta
Storage
Edit stora
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair name
awskeys
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.


us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookmarks
aws
Services
Resource Groups
bharath_aws
Ohio
Support
Launch Status
Your instances are now launching
The following instance launches have been initiated: i-02ead5da393ae2f1e
View launch log
Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).
How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the running state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click View Instances to monitor your instances' status. Once your instances are in the running state, you can connect to them from the Instances screen. Find out how to connect to your instances.
Here are some helpful resources to get you started
How to connect to your Linux instance
Amazon EC2: User Guide

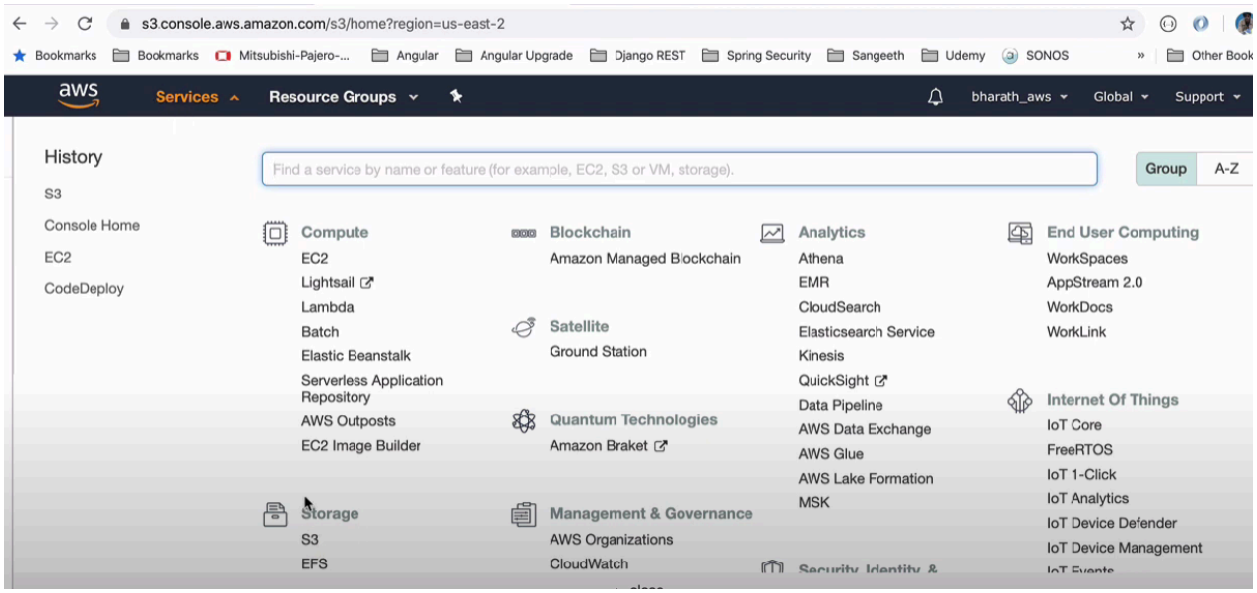


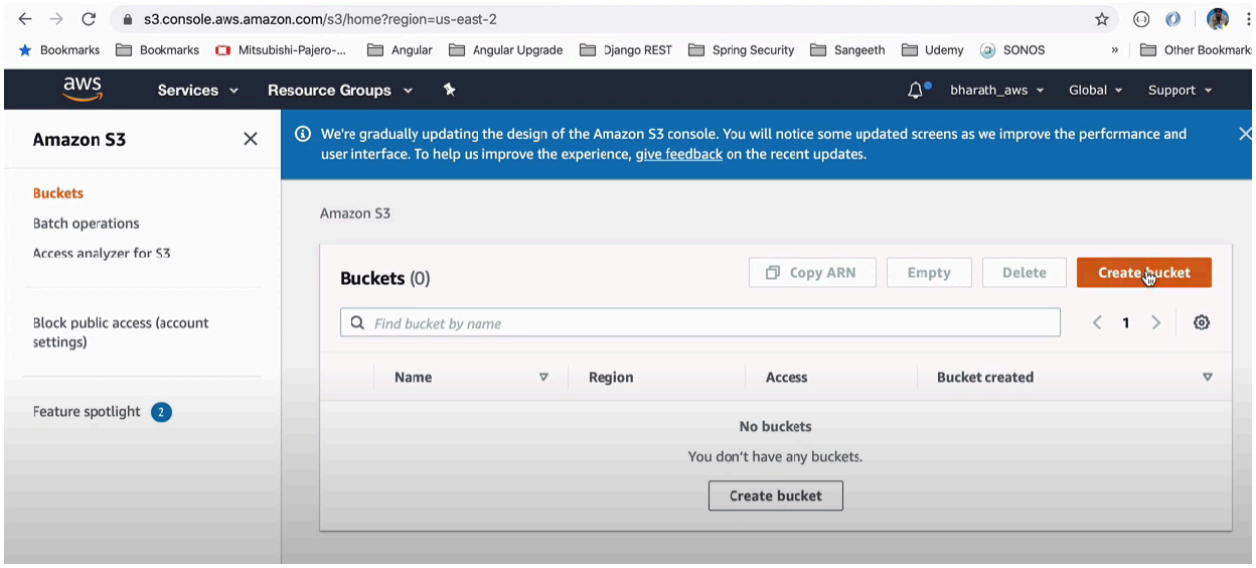
Click on connect button to connect with new instance(vm/machine)

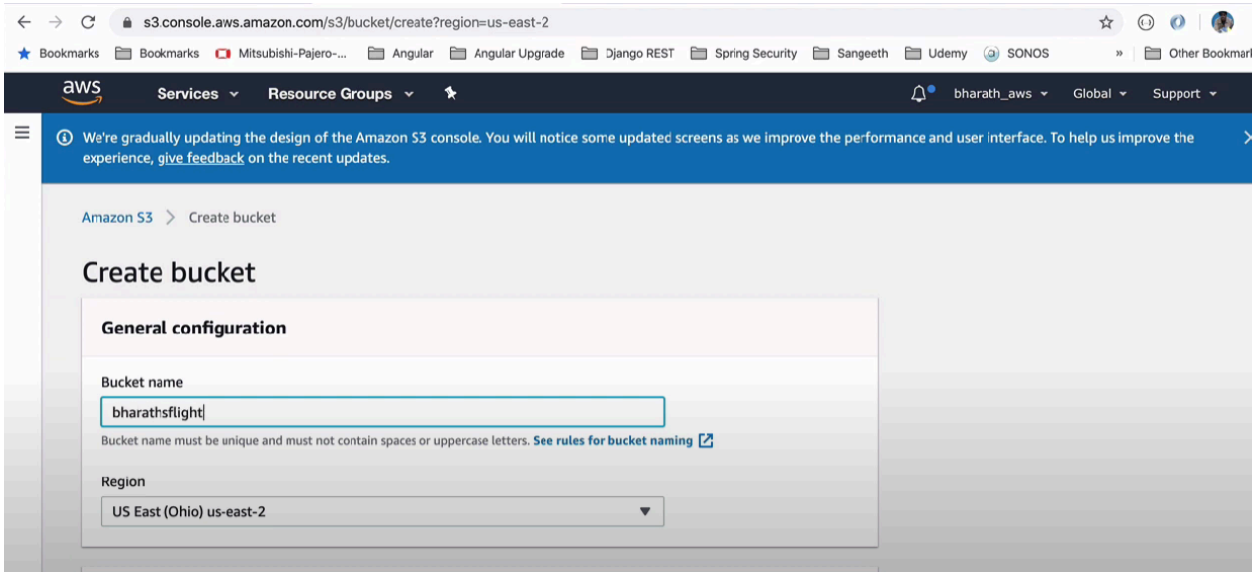


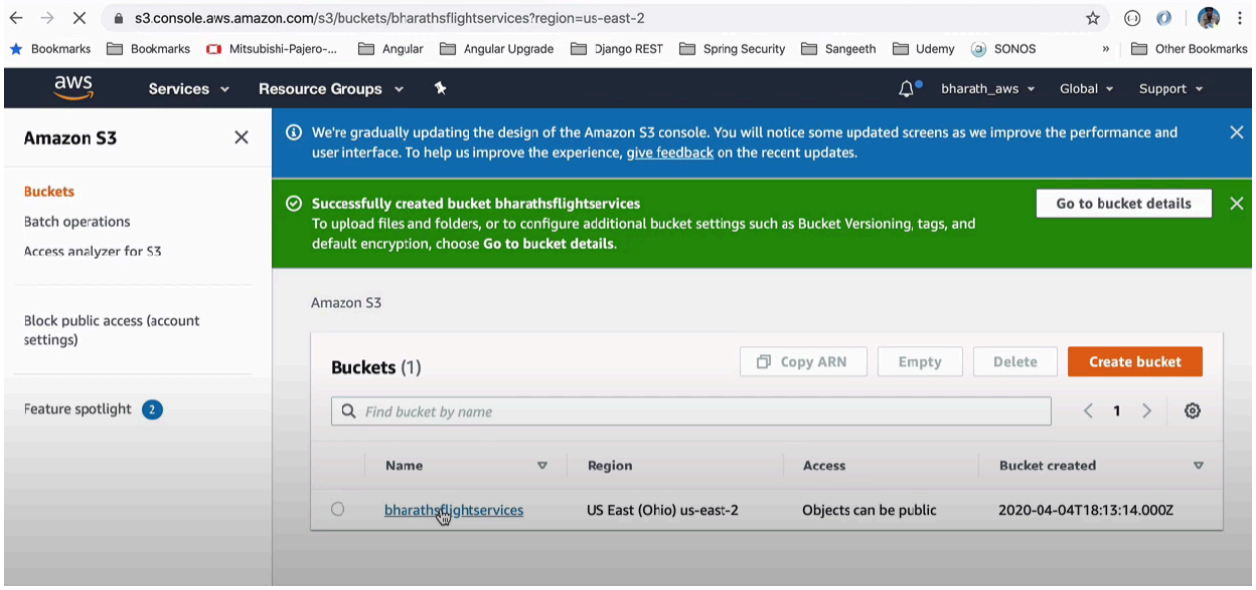


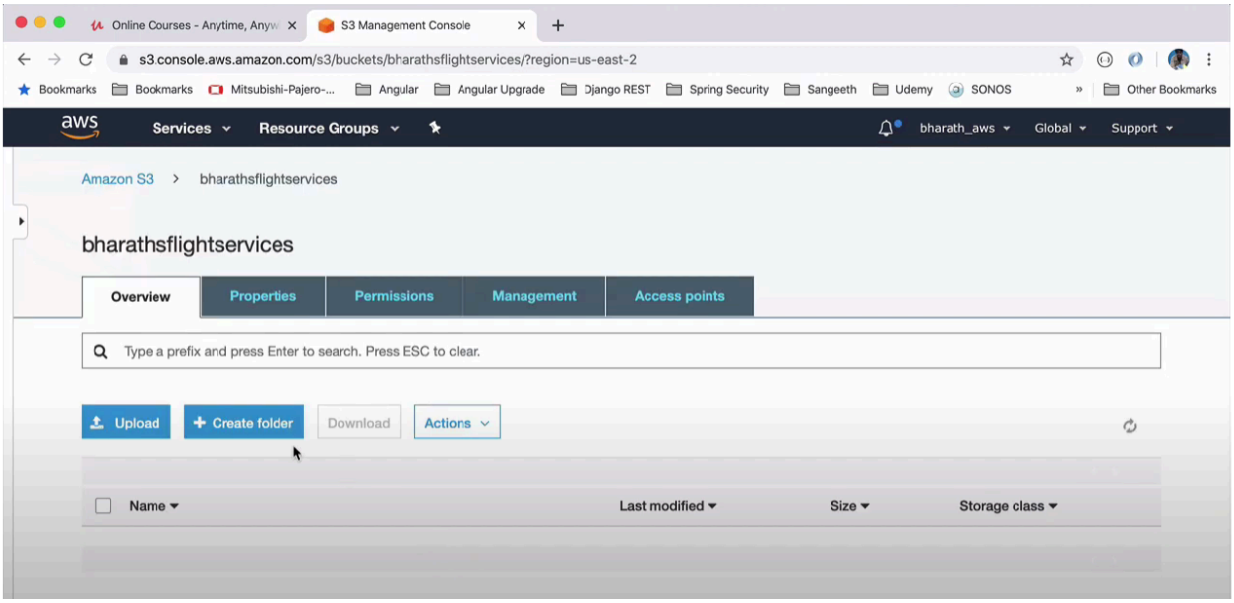
Upload jar file into S3

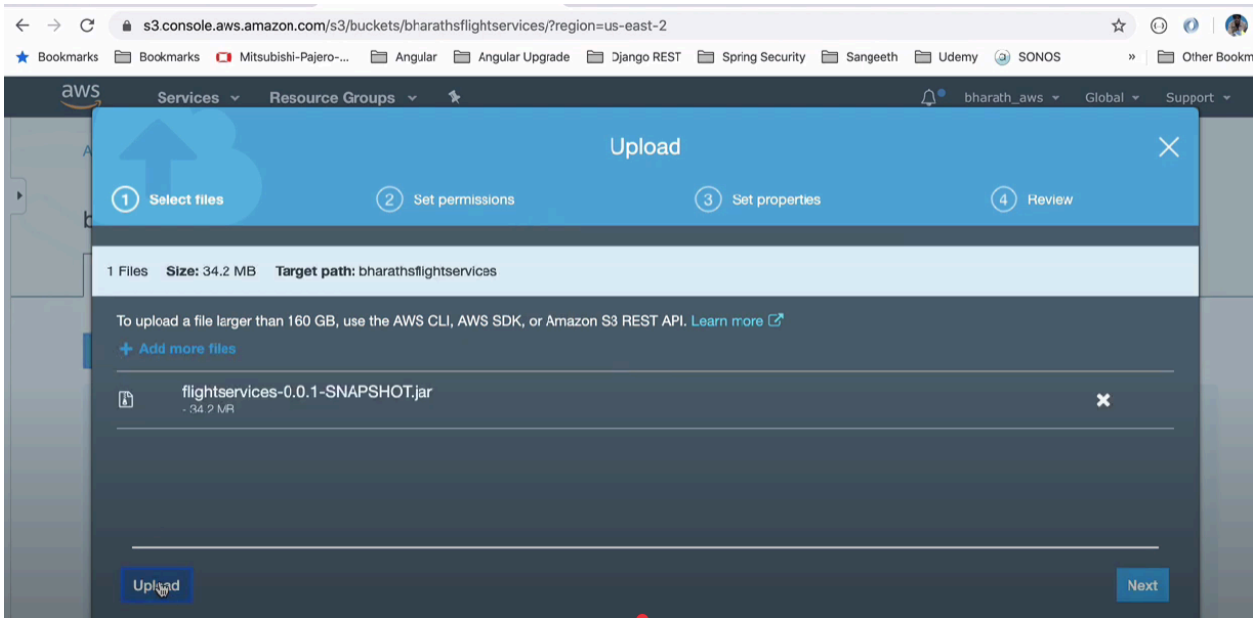


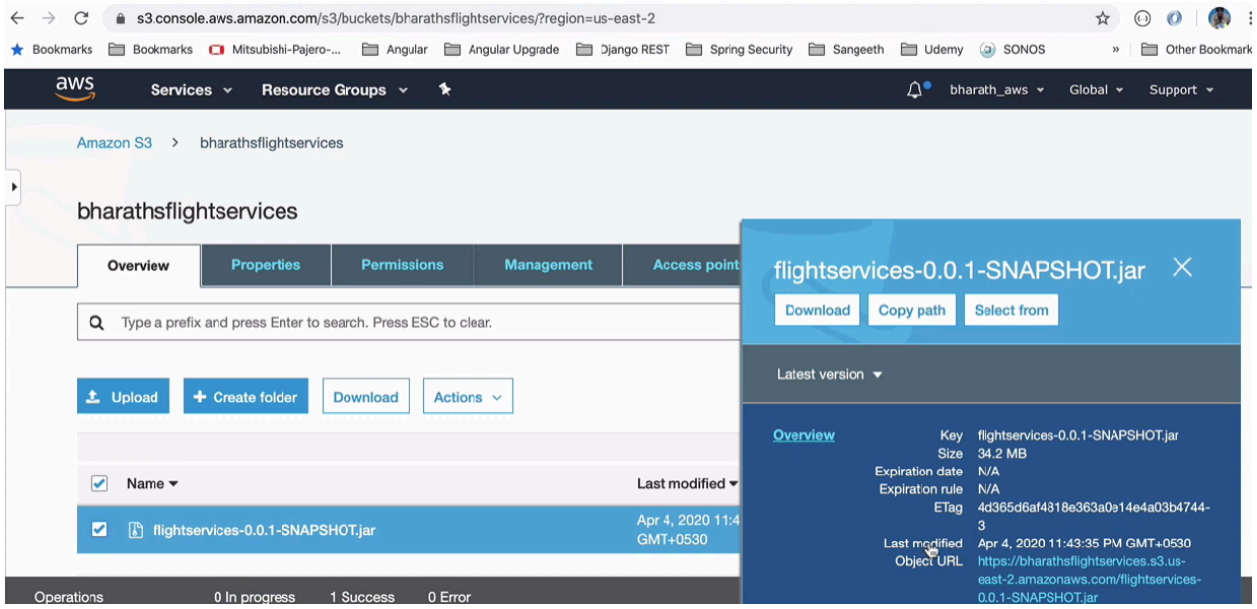

s3.console.aws.amazon.com/s3/home?region=us-east-2
Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookmarks
aws
Services
Resource Groups
bharath_aws
Global
Support
Amazon S3
We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.
Buckets
Batch operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
2
Amazon S3
Buckets (0)
Copy ARN
Empty
Delete
Create bucket
Find bucket by name
1
Name
Region
Access
Bucket created
No buckets
You don't have any buckets.
Create bucket


s3.console.aws.amazon.com/s3/bucket/create?region=us-east-2
Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookmarks
aws
Services
Resource Groups
bharath_aws
Global
Support
We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.
Amazon S3
Create bucket
Create bucket
General configuration
Bucket name
bharathsflight
Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming
Region
US East (Ohio) us-east-2

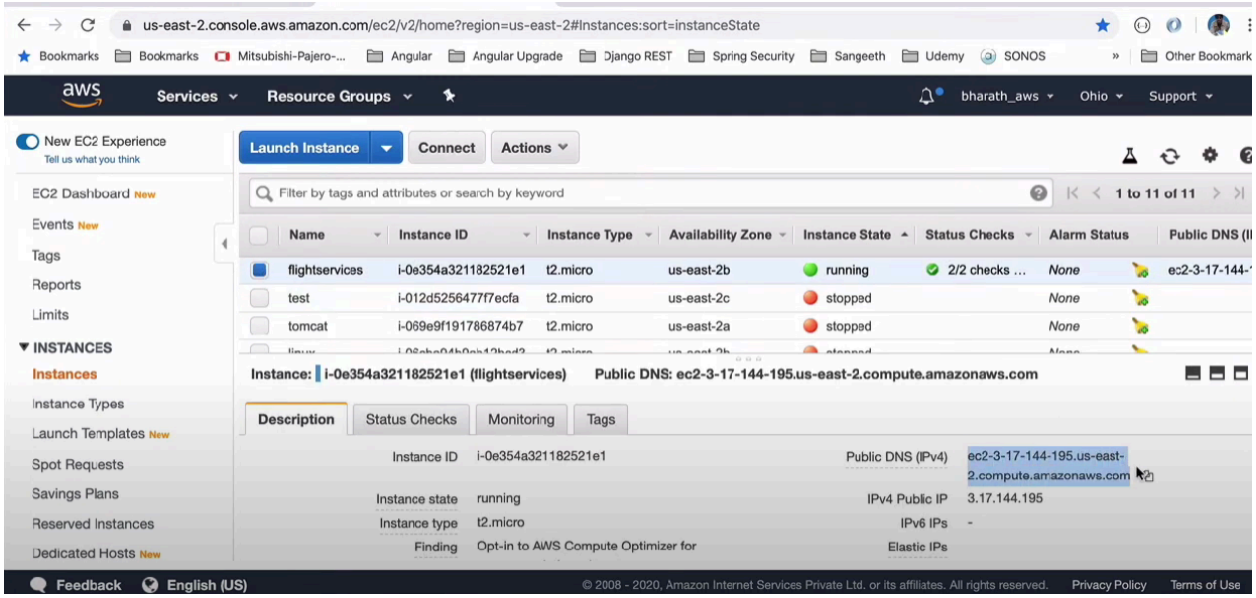

s3.console.aws.amazon.com/s3/buckets/bharathsflightservices?region=us-east-2
Services
Resource Groups
bharath_aws
Global
Support
Amazon S3
Buckets
Batch operations
Access analyzer for S3
Block public access (account settings)
Feature spotlight
We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.
Successfully created bucket bharathsflightservices
To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose Go to bucket details.
Go to bucket details
Amazon S3
Buckets (1)
Copy ARN
Empty
Delete
Create bucket
Find bucket by name
Name
Region
Access
Bucket created
bharathsflightservices
US East (Ohio) us-east-2
Objects can be public
2020-04-04T18:13:14.000Z


Online Courses - Anytime, Anyw
S3 Management Console
s3.console.aws.amazon.com/s3/buckets/bharathsflightservices/?region=us-east-2
Services
Resource Groups
bharath_aws
Global
Support
Amazon S3 > bharathsflightservices
bharathsflightservices
Overview
Properties
Permissions
Management
Access points
Type a prefix and press Enter to search. Press ESC to clear.
Upload
Create folder
Download
Actions
Name
Last modified
Size
Storage class





Now run application using DNS url of EC2


us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instanceState
Bookmarks
Bookmarks
Mitsubishi-Pajero-...
Angular
Angular Upgrade
Django REST
Spring Security
Sangeeth
Udemy
SONOS
Other Bookmark
aws
Services
Resource Groups
bharath_aws
Ohio
Support
New EC2 Experience
Tell us what you think
EC2 Dashboard New
Events New
Tags
Reports
Limits
INSTANCES
Instances
Instance Types
Launch Templates New
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts New
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 11 of 11
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (I
flightservices
i-0e354a321182521e1
t2.micro
us-east-2b
running
2/2 checks ...
None
test
i-012d5256477f7ecfa
t2.micro
us-east-2c
stopped
None
tomcat
i-069e9f191786874b7
t2.micro
us-east-2a
stopped
None
Instance: i-0e354a321182521e1 (flightservices)
Public DNS: ec2-3-17-144-195.us-east-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
i-0e354a321182521e1
Instance state
running
Instance type
t2.micro
Finding
Opt-in to AWS Compute Optimizer for
Public DNS (IPv4)
ec2-3-17-144-195.us-east-2.compute.amazonaws.com
IPv4 Public IP
3.17.144.195
IPv6 IPs
-
Elastic IPs
Feedback
English (US)
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