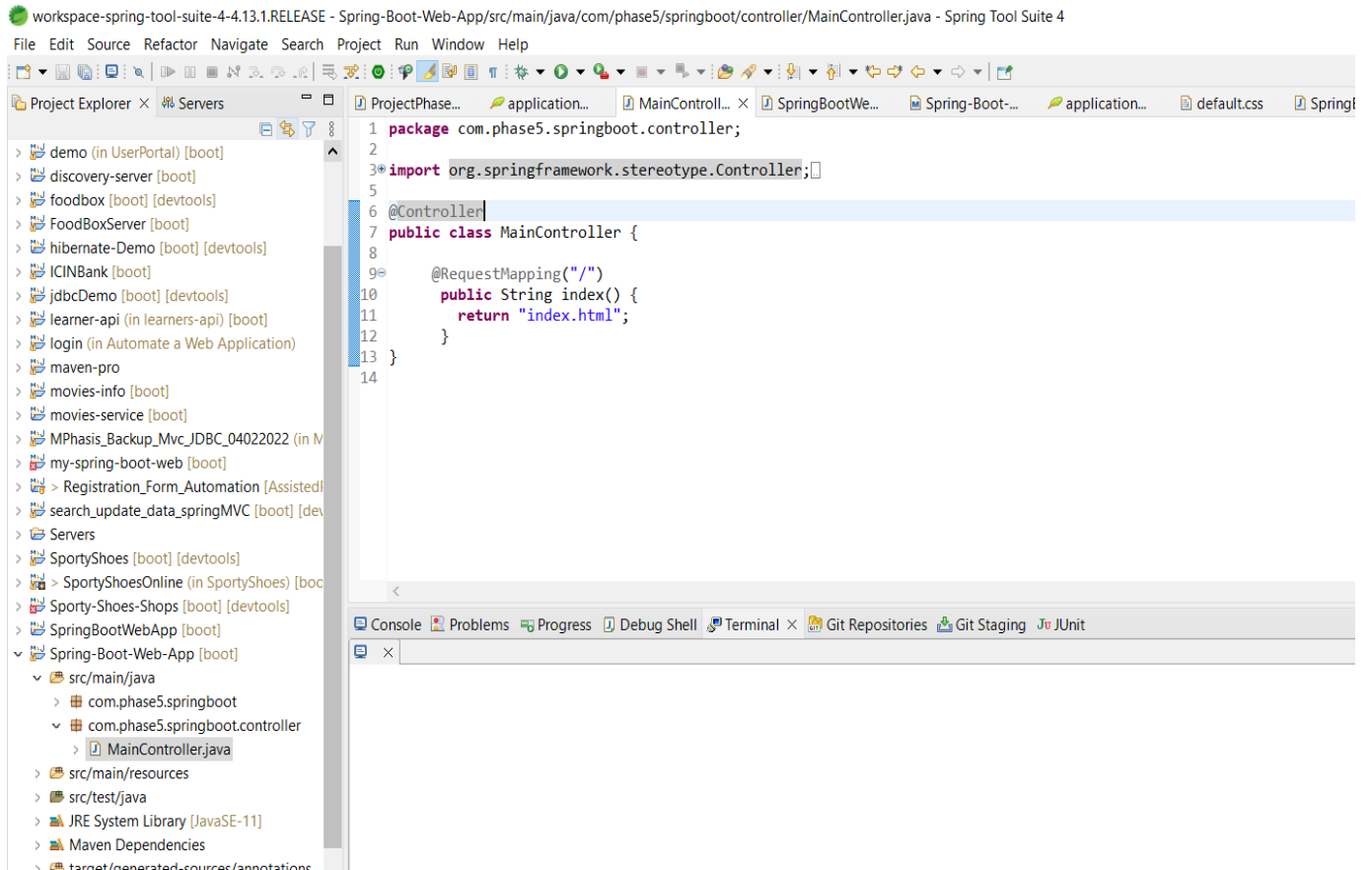


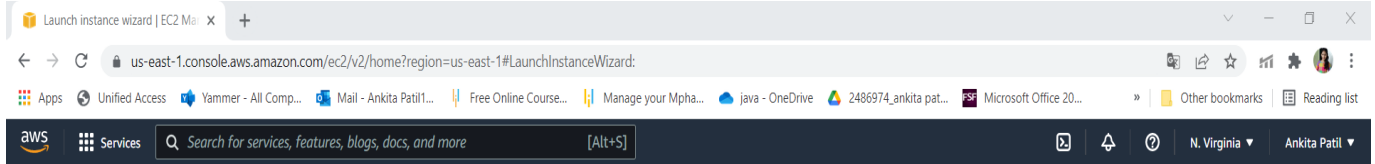
Outputs of CI/CD Deployment for Spring boot Application.

Step 1: Write spring boot program:



• Step 2: Launching EC2 instance:

1. Click on launch instance to run any instance
2. Select the AMI



You've been invited to try an early, beta iteration of the new launch instance wizard. We will continue to improve the experience over the next few months. We're asking customers for their feedback on this early release. To exit the new launch instance wizard at any time, choose the **Cancel** button.

Try it now!

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Search by Systems Manager parameter

Quick Start 1 to 45 of 45 AMIs

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only ⓘ

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0e1d30f2c40c4c701 (64-bit x86) / ami-0b6539181920009de (64-bit Arm) **Select**

Amazon Linux Free tier eligible Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is now under maintenance only mode and has been removed from this wizard.

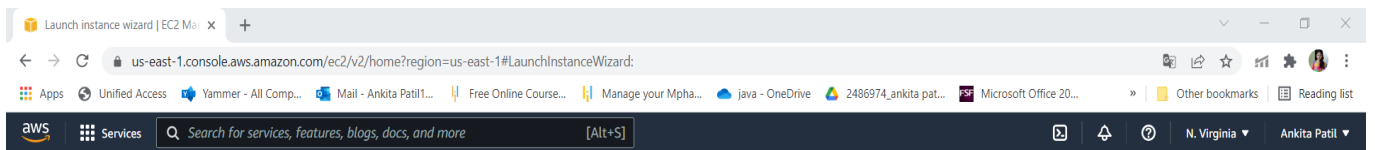
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Amazon Linux 2 AMI (HVM) - Kernel 4.14, SSD Volume Type - ami-01b20f5ea962e3fe7 (64-bit x86) / ami-07abb2766caea801b (64-bit Arm) **Select**

Amazon Linux Free tier eligible Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is now under maintenance only mode and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

3. Select t2.micro as the instance type



1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance families Current generation Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, ~, 1 GiB memory, EBS only)

	Family	Type	vCPUs ⓘ	Memory (GiB)	Instance Storage (GB) ⓘ	EBS-Optimized Available ⓘ	Network Performance ⓘ	IPv6 Support ⓘ
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t3	t3.nano	2	0.5	FRS only	Yes	1 In to 5 Gbps	Yes

Cancel Previous **Review and Launch** Next: Configure Instance Details

4. Specify the number of instances, networks, placement groups, and IAM roles and click Next

The screenshot shows the 'Step 3: Configure Instance Details' page of the AWS Launch Instance Wizard. The page is titled 'Step 3: Configure Instance Details' and includes a sub-header 'Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.' The page contains several configuration sections: 'Number of Instances' (set to 1), 'Purchasing option' (Request Spot instances), 'Network' (vpc-06f93bd392fdc2b73), 'Subnet' (No preference), 'Auto-assign Public IP' (Use subnet setting), 'Hostname type' (Use subnet setting), 'DNS Hostname' (Enable resource-based IPv4), 'Placement group' (Add instance to placement group), 'Capacity Reservation' (Open), and 'Domain join directory' (No directory). The 'Next: Add Storage' button is visible at the bottom right.

Launch instance wizard | EC2 Ma x +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

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

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of Instances 1 [Launch Into Auto Scaling Group](#)

Purchasing option ☐ Request Spot instances

Network vpc-06f93bd392fdc2b73 (default) [Create new VPC](#)

Subnet No preference (default subnet in any Availability Zone) [Create new subnet](#)

Auto-assign Public IP Use subnet setting (Enable)

Hostname type Use subnet setting (IP name)

DNS Hostname ☒ Enable IP name (A record) DNS requests ☒ Enable resource-based IPv4 (A record) DNS requests ☐ Enable resource-based IPv6 (AAAA record) DNS requests

Placement group ☐ Add instance to placement group

Capacity Reservation Open

Domain join directory No directory [Create new directory](#)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

5. Add storage

The screenshot shows the 'Step 4: Add Storage' page of the AWS Launch Instance Wizard. The page is titled 'Step 4: Add Storage' and includes a sub-header 'Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or 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.' The page contains a table with columns: Volume Type, Device, Snapshot, Size (GiB), Volume Type, IOPS, Throughput (MB/s), Delete on Termination, and Encryption. The table shows a single row for the Root volume. Below the table is an 'Add New Volume' button. A note states: '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.' Below the note is a section for 'Shared file systems' with an 'Add file system' button. The 'Next: Add Tags' button is visible at the bottom right.

Launch instance wizard | EC2 Ma x +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

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

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or 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-0b24702d996d654bc	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

[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.

▼ Shared file systems

You currently don't have any file systems on this instance. Select "Add file system" button below to add a file system.

[Add file system](#)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

6. You can add a key-value pair to the instance

Launch instance wizard | EC2 Ma x

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

Apps Unified Access Yammer - All Comp... Mail - Ankita Patil1... Free Online Course... Manage your Mpha... java - OneDrive 2486974_ankita pat... Microsoft Office 20... Other bookmarks Reading list

aws Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia Ankita Patil

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 ⓘ

Network Interfaces ⓘ

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)

Cancel

Previous

Review and Launch

Next: Configure Security Group

Launch instance wizard | EC2 Ma x

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

Apps Unified Access Yammer - All Comp... Mail - Ankita Patil1... Free Online Course... Manage your Mpha... java - OneDrive 2486974_ankita pat... Microsoft Office 20... Other bookmarks Reading list

aws Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia Ankita Patil

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

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, If you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group

☐ Select an existing security group

Security group name:

Description:

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
All traffic	All	0 - 65535	Anywhere 0.0.0.0/0, ::/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

7. Click on launch

Launch instance wizard | EC2 Ma x +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

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

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, launch-wizard-3, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0e1d30f2c40c4c701

Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...

Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

[Cancel](#) [Previous](#) [Launch](#)

8. Create key pair

Launch instance wizard | EC2 Ma x +

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:

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

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, launch-wizard-3, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0e1d30f2c40c4c701

Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...

Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

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. Amazon EC2 supports ED25519 and RSA key pair types.

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 type

☒ RSA ☐ ED25519

Key pair name

aws-key-pair

[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.

[Cancel](#) [Previous](#) [Launch](#)

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9. Click on view instance

The screenshot shows the 'Launch instance wizard' page in the AWS Management Console. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:`. The page has a dark header with the AWS logo and a search bar. Below the header, there's a 'Launch Status' section. It includes a notification banner about estimated charges, a 'How to connect to your instances' section with explanatory text and a 'View Instances' button, and a list of helpful resources. At the bottom right, there is a 'View Instances' button.

Launch Status

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
- Learn about AWS Free Usage Tier
- Amazon EC2: User Guide
- Amazon EC2: Discussion Forum

While your instances are launching you can also

- Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)
- Create and attach additional EBS volumes (Additional charges may apply)
- Manage security groups

[View Instances](#)

10. Connect the instance

The screenshot shows the 'Instances' page in the AWS Management Console. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:`. The page has a dark header with the AWS logo and a search bar. On the left, there's a sidebar with navigation options. The main content area shows a table of instances. The first instance, 'aws', is selected. Below the table, the details for instance 'i-062b012e552aacd92' are displayed, including its state (Running), type (t2.micro), and various addresses.

Instances (1/3) Info

Search

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	aws	i-062b012e552aacd92	Running	t2.micro	Initializing	No alarms	us-east-1d	ec2-54-196-212-
<input type="checkbox"/>	CI-CD deploye...	i-0f15d3d127305e881	Terminated	t2.micro	-	No alarms	us-east-1d	-
<input type="checkbox"/>	docker	i-095be8c9c0b8e5a30	Stopped	t2.micro	-	No alarms	us-east-1c	-

Instance: i-062b012e552aacd92 (aws)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-062b012e552aacd92 (aws)	Public IPv4 address 54.196.212.21 open address	Private IPv4 addresses 172.31.28.50
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-196-212-21.compute-1.amazonaws.com open address

• Step 3: Connect to EC2 instances:

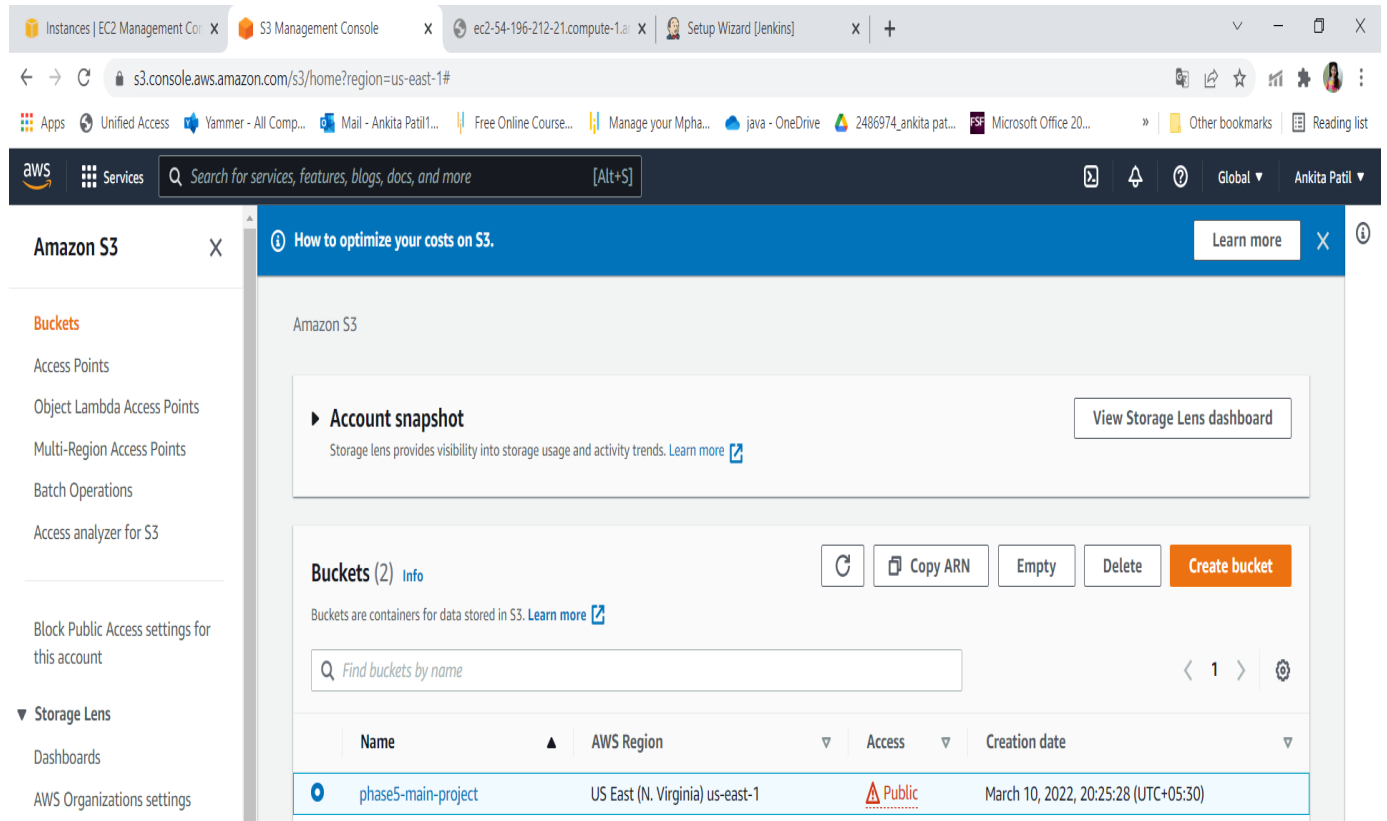
The screenshot shows the AWS Management Console interface. The breadcrumb navigation at the top reads: EC2 > Instances > i-062b012e552aacd92 > Connect to instance. The main content area is titled 'Connect to instance' with an 'Info' link. Below the title, it says 'Connect to your instance i-062b012e552aacd92 using any of these options'. There are four tabs: 'EC2 Instance Connect', 'Session Manager', 'SSH client' (which is selected and highlighted in orange), and 'EC2 Serial Console'. Under the 'SSH client' tab, the 'Instance ID' is listed as 'i-062b012e552aacd92'. A numbered list of steps is provided: 1. Open an SSH client. 2. Locate your private key file. The key used to launch this instance is aws-key-pair.pem. 3. Run this command, if necessary, to ensure your key is not publicly viewable. A code block shows: `chmod 400 aws-key-pair.pem`. 4. Connect to your instance using its Public DNS: A code block shows: `ec2-54-196-212-21.compute-1.amazonaws.com`. Below the steps, an 'Example:' section shows a terminal command: `ssh -i "aws-key-pair.pem" ec2-user@ec2-54-196-212-21.compute-1.amazonaws.com`. A blue-bordered box contains a note: 'Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.'

11. Click on Connect on EC2 dashboard & Run the ssh command provided

```
ec2-user@ip-172-31-28-50:~$  
Ankita@DESKTOP-0MSDR45 MINGW64 ~ (master)  
$ cd downloads  
Ankita@DESKTOP-0MSDR45 MINGW64 ~/downloads (master)  
$ ssh -i "aws-key-pair.pem" ec2-user@ec2-54-196-212-21.compute-1.amazonaws.com  
The authenticity of host 'ec2-54-196-212-21.compute-1.amazonaws.com (64:ff9b::36c4:d415)' can't be established.  
ED25519 key fingerprint is SHA256:27n5BHT4pFgq++PGDG8daUk6m1C+cRrQgwqLp3NSy0.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'ec2-54-196-212-21.compute-1.amazonaws.com' (ED25519) to the list of known hosts.  
  
  _ | _ | _ )  
  _ | ( /  
  _ | \ | _ |  
Amazon Linux 2 AMI  
  
https://aws.amazon.com/amazon-linux-2/  
No packages needed for security; 5 packages available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-28-50 ~]$
```

Step 4: Creating S3 Bucket:

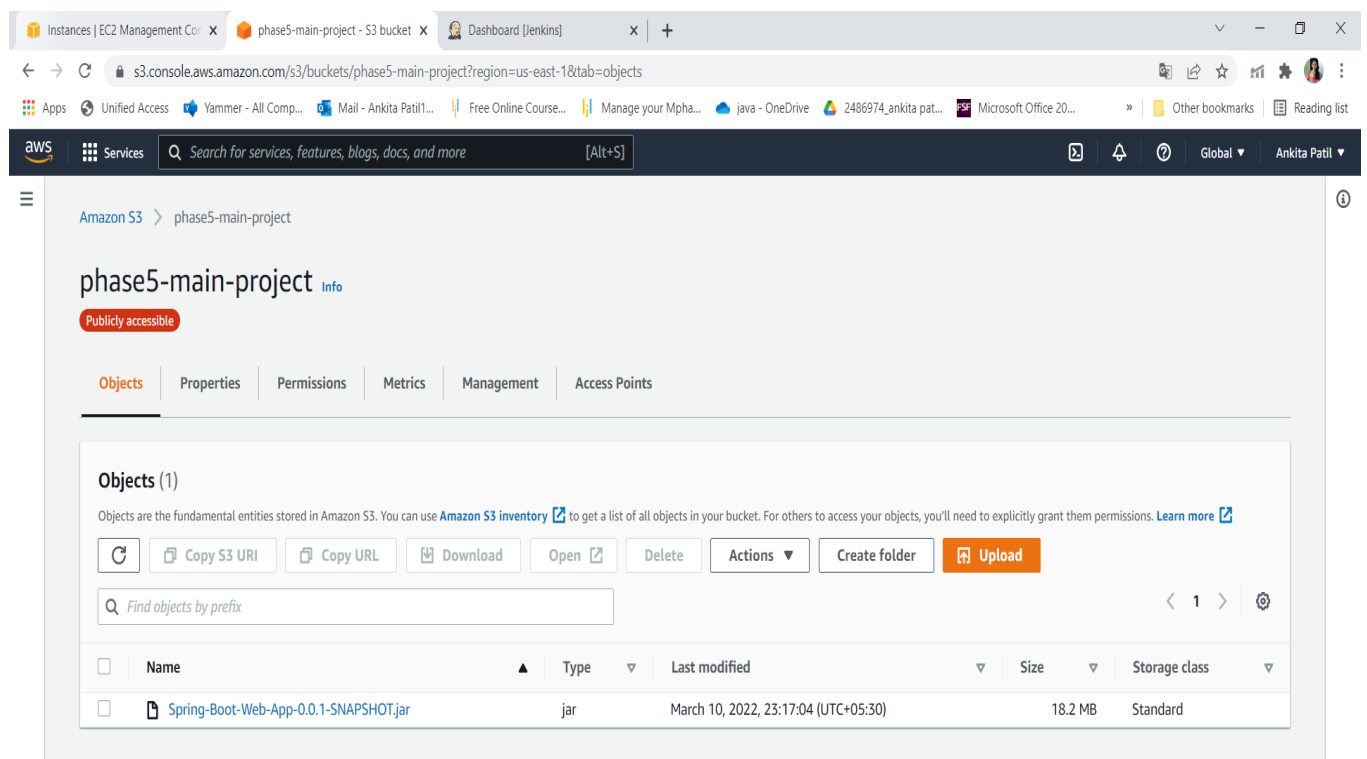
1. Create Bucket to store jar file:



The screenshot shows the Amazon S3 console interface. On the left, there's a navigation menu with options like Buckets, Access Points, and Storage Lens. The main content area displays 'Buckets (2)' with a search bar and a table of buckets. One bucket, 'phase5-main-project', is highlighted, showing it's in the 'US East (N. Virginia) us-east-1' region and is 'Publicly accessible'.

Name	AWS Region	Access	Creation date
phase5-main-project	US East (N. Virginia) us-east-1	Public	March 10, 2022, 20:25:28 (UTC+05:30)

Step 5: Adding jar file:



The screenshot shows the Amazon S3 console interface for the 'phase5-main-project' bucket. The 'Objects (1)' section is active, displaying a table of objects. One object, 'Spring-Boot-Web-App-0.0.1-SNAPSHOT.jar', is listed with a size of 18.2 MB and a storage class of 'Standard'.

Name	Type	Last modified	Size	Storage class
Spring-Boot-Web-App-0.0.1-SNAPSHOT.jar	jar	March 10, 2022, 23:17:04 (UTC+05:30)	18.2 MB	Standard

- Run program through instance:

```
[ec2-user@ip-172-31-28-50 ~]$ ls
spring-boot-web-aws-exe.jar
[ec2-user@ip-172-31-28-50 ~]$ java -jar spring-boot-web-aws-exe.jar

  ____ _
 / ___ \| | | |
/ /   \| |_| |
\ \   /| | | |
 \___/\_|_|_|_|

:: Spring Boot :: (v2.6.4)

2022-03-10 17:21:42.600 INFO 21546 --- [main] c.p.s.SpringBootWebAppApplication : Starting SpringBootWebAppApplication v0.0.1-SNAPSHOT using Java 11.0.13 on ip-172-31-28-50.ec2.internal with PID 21546 (/home/ec2-user/spring-boot-web-aws-exe.jar started by ec2-user in /home/ec2-user)
2022-03-10 17:21:42.612 INFO 21546 --- [main] c.p.s.SpringBootWebAppApplication : No active profile set, falling back to 1 default profile: "default"
2022-03-10 17:21:45.161 INFO 21546 --- [main] o.s.cloud.context.scope.GenericScope : BeanFactory id=11810f64-bfcc-3aca-9e4a-416b42080aad
2022-03-10 17:21:45.992 INFO 21546 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-03-10 17:21:46.017 INFO 21546 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-03-10 17:21:46.021 INFO 21546 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.58]
2022-03-10 17:21:46.130 INFO 21546 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-03-10 17:21:46.130 INFO 21546 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 3344 ms
2022-03-10 17:21:47.414 WARN 21546 --- [main] ion$DefaultTemplateResolverConfiguration : Cannot find template location: classpath:/templates/ (please add some templates or check your Thymeleaf configuration)
2022-03-10 17:21:47.624 WARN 21546 --- [main] ConfigServletWebServerApplicationContext : Exception encountered during context initialization - cancelling refresh attempt: org.springframework.context.ApplicationContextException: Failed to start bean 'webServerStartStop'; nested exception is org.springframework.boot.web.server.PortInUseException: Port 8080 is already in use
2022-03-10 17:21:47.632 INFO 21546 --- [main] o.apache.catalina.core.StandardService : Stopping service [Tomcat]
2022-03-10 17:21:47.677 INFO 21546 --- [main] ConditionEvaluationReportLoggingListener :

Error starting ApplicationContext. To display the conditions report re-run your application with 'debug' enabled.
2022-03-10 17:21:47.717 ERROR 21546 --- [main] o.s.b.d.LoggingFailureAnalysisReporter :

*****
APPLICATION FAILED TO START
*****

Description:

Web server failed to start. Port 8080 was already in use.

Action:

Identify and stop the process that's listening on port 8080 or configure this application to listen on another port.
```

- Output:

Instances | EC2 Management Console

phase5-main-project - S3 bucket

Dashboard | Jenkins

Ankita Patil's Assessment

← → ↻ 🔒 Not secure | ec2-54-196-212-21.compute-1.amazonaws.com:9091

📱 Apps

🔗 Unified Access

🗨️ Yammer - All Comp...

📧 Mail - Ankita Patil...

📄 Free Online Course...

📁 Manage your Mpha...

☁️ java - OneDrive

📁 2486974_ankita pat...

📄 Microsoft Office 20...

🔖 Other bookmarks

📖 Reading list

ANKITA PATIL'S

SPRING-BOOT Web App

As requested by management, this is my final product stage, demonstrating the automated, integrated, and deployed spring-boot web application.

- Eclipse
- GitHub
- Jenkins
- AWS EC2/ Virtual machine

This is an environment where the application is hosted and accessed by users. The following were used in its development:

Feel free to contact Ankita Patil with any new requests or upgrades to this product!