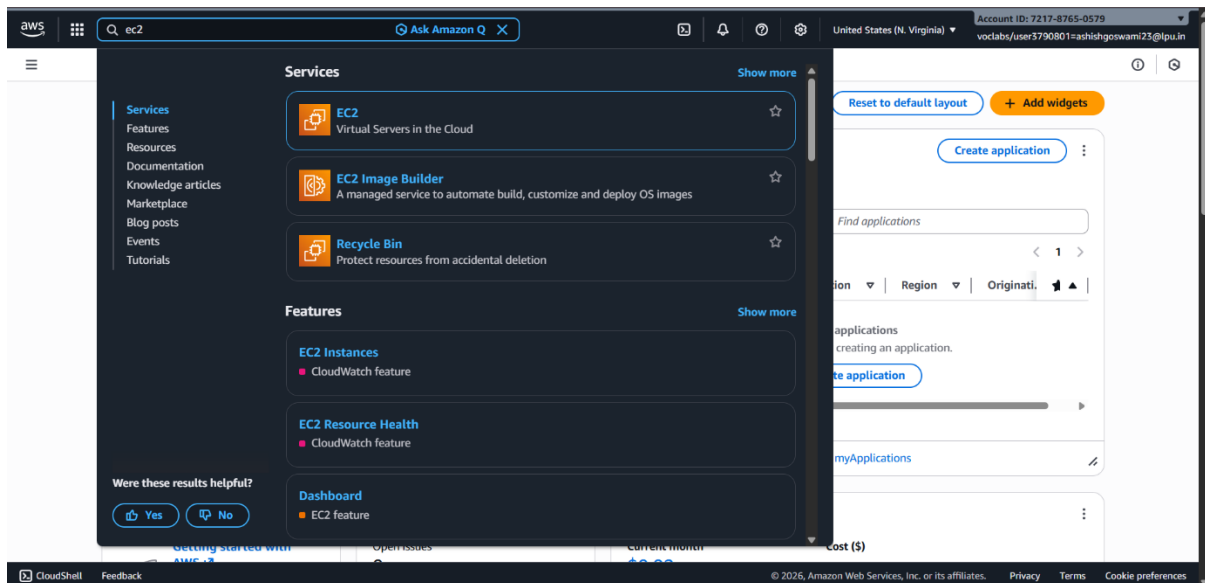


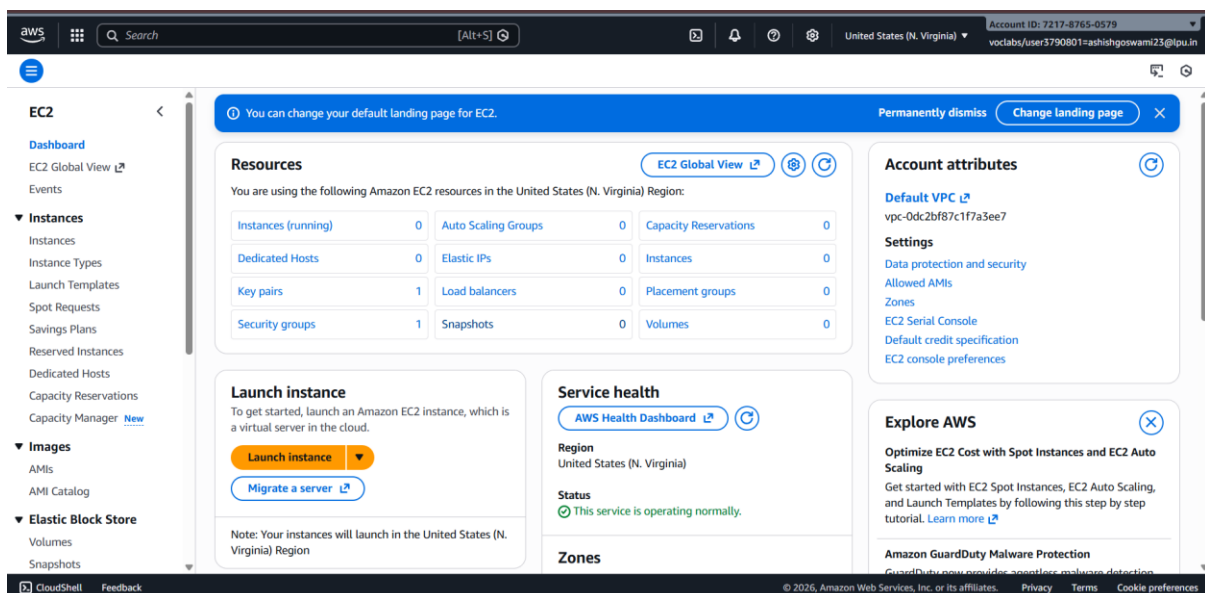
Deployment of Spring Boot Pet Clinic Application on AWS EC2

(Amazon Linux)

Step 1: here creation of EC2 instance shown
-----Search EC2



-----Launch Instance



-----Setup Instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name: petclinic-sandbox [Add additional tags](#)

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Search: Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances: 1 [Info](#)

ami-0532be01f26a3de55

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4

[Cancel](#) [Launch instance](#) [Preview code](#)

-----Instance Network Setting

Network settings [Info](#)

VPC - required [Info](#): vpc-0dc2bf87c1f7a3ee7 (default)

Subnet [Info](#): No preference [Create new subnet](#)

Availability Zone [Info](#): No preference [Enable additional zones](#)

Auto-assign public IP [Info](#): Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

Security group name - required: launch-wizard-1

Description - required [Info](#)

Summary

Number of instances: 1 [Info](#)

ami-0532be01f26a3de55

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

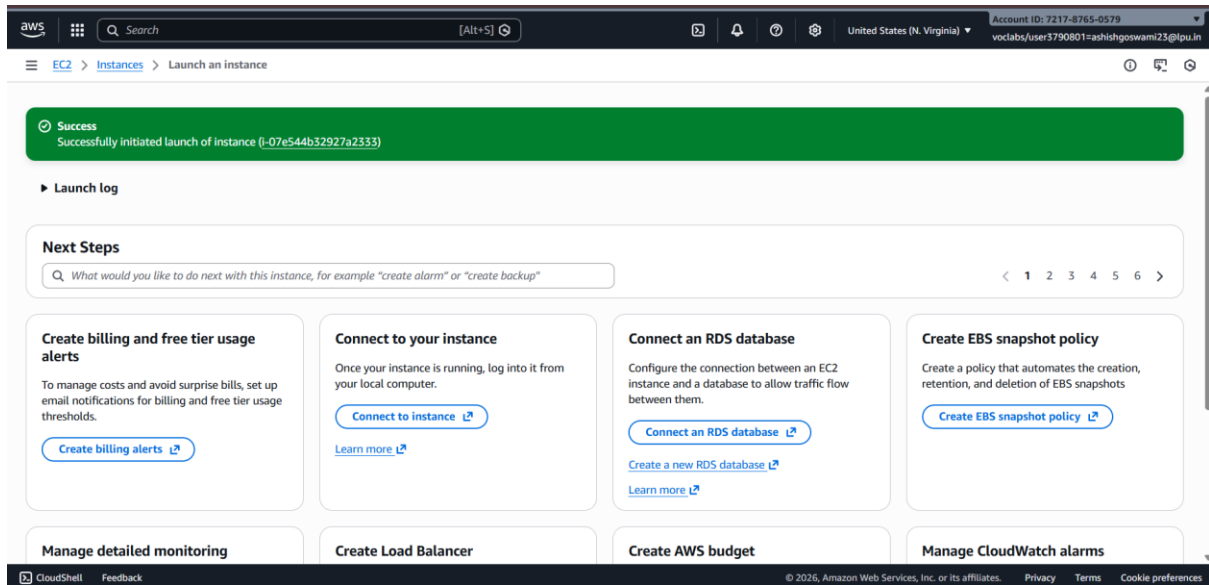
Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4

[Cancel](#) [Launch instance](#) [Preview code](#)

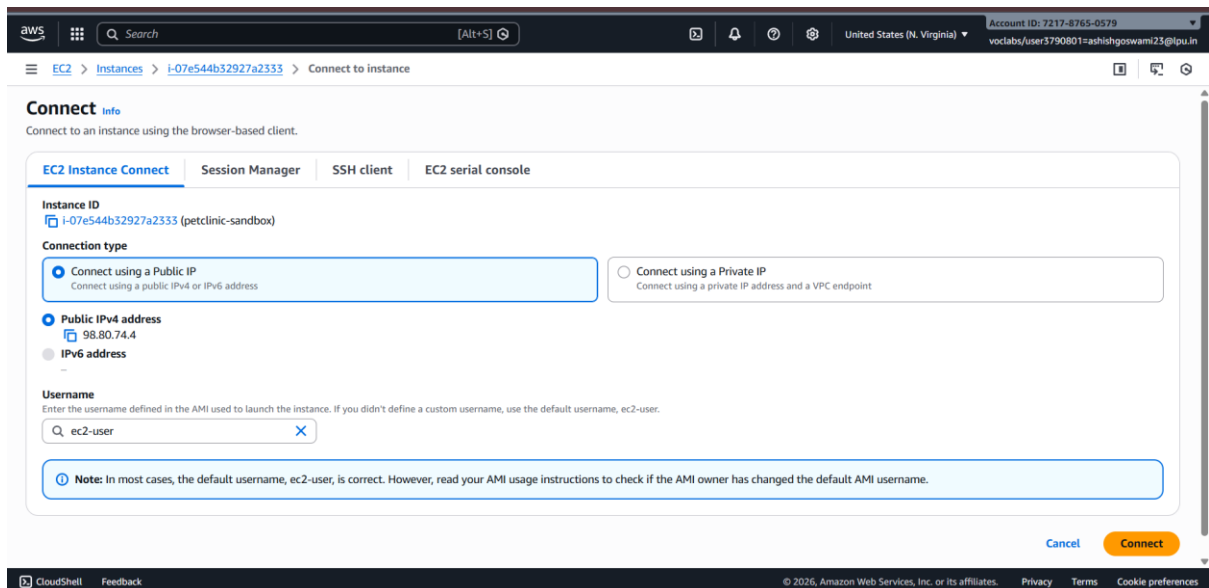
-----Launch Instance SUCCESSFULLY

-----Successfully Instance CREATED



The screenshot shows the AWS Management Console 'Launch instance' page. At the top, a green banner indicates 'Success: Successfully initiated launch of instance (i-07e544b32927a2333)'. Below this is a 'Launch log' section. The 'Next Steps' section contains a search bar and several recommended actions: 'Create billing and free tier usage alerts', 'Connect to your instance', 'Connect an RDS database', 'Create EBS snapshot policy', 'Manage detailed monitoring', 'Create Load Balancer', 'Create AWS budget', and 'Manage CloudWatch alarms'. Each action has a brief description and a 'Learn more' link.

-----Step 2: EC2 Console + Connect Page



The screenshot shows the 'Connect to instance' page in the AWS Management Console. The page title is 'Connect Info'. Below the title, there are tabs for 'EC2 Instance Connect', 'Session Manager', 'SSH client', and 'EC2 serial console'. The 'EC2 Instance Connect' tab is selected. It shows the 'Instance ID' as 'i-07e544b32927a2333 (petclinic-sandbox)'. Under 'Connection type', there are two options: 'Connect using a Public IP' (selected) and 'Connect using a Private IP'. The 'Public IP' option is further divided into 'Public IPv4 address' (selected) and 'IPv6 address'. The 'Public IPv4 address' is '98.80.74.4'. Under 'Username', there is a text input field with 'ec2-user'. A note at the bottom states: 'Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.' At the bottom right, there are 'Cancel' and 'Connect' buttons.

[illegible]

-----Final Successful Build notification shows

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home/addressFamily=ipv4:connType=standard:standardInstanceId=i-07e544b32927a2333:osUser=ec2-user:region=us-east-1:sshPort=22
ChatGPT Prompt En... Welcome! (148) | W... OOP in Java - View... First Java Program ~... Ashish Goswami - a... quant_fse_62 | Co... RckMEHTENT - Lee... ashishgoswami07 ~... All Book...
aws Search [Alt+S] United States (N. Virginia) Account ID: 7217-8765-0579 voclabs/user3790801:ashishgoswami21@

2026-01-28T08:18:37.511Z INFO 28404 --- [ restartedMain] o.s.boot.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2026-01-28T08:18:37.525Z INFO 28404 --- [ restartedMain] o.s.s.petclinic.PetClinicApplication : Started PetClinicApplication in 6.626 seconds (process running f
r 7.397)
^C2026-01-28T08:18:52.442Z INFO 28404 --- [ionShutdownHook] o.s.boot.tomcat.GracefulShutdown : Commencing graceful shutdown. Waiting for active requests to c
omplete
2026-01-28T08:18:52.452Z INFO 28404 --- [tomcat-shutdown] o.s.boot.tomcat.GracefulShutdown : Graceful shutdown complete
2026-01-28T08:18:52.458Z INFO 28404 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default'
2026-01-28T08:18:52.462Z WARN 28404 --- [ionShutdownHook] c.a.b.f.support.DisposableBeanAdapter : Invocation of destroy method failed on bean with name 'entityManager
Factory'
2026-01-28T08:18:52.462Z INFO 28404 --- [ionShutdownHook] org.h2.jdbc.JdbcSQLException : NonTransientConnectionException: Database is already closed (to disable automatic closing at VM shutdown, add '-DB_CLOSE_ON
EXIT=FALSE' to the db URL) [90121-240]
2026-01-28T08:18:52.467Z INFO 28404 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...
2026-01-28T08:18:52.468Z INFO 28404 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.

[INFO] BUILD SUCCESS
-----
[INFO] Total time: 40.824 s
[INFO] Finished at: 2026-01-28T08:18:52Z
[INFO] -----

[ec2-user@ip-172-31-31-253 spring-petclinic]$ curl http://localhost:8080
curl: (7) Failed to connect to localhost port 8080 after 0 ms: Could not connect to server
[ec2-user@ip-172-31-31-253 spring-petclinic]$ http://98.80.74.4:8080/
-bash: http://98.80.74.4:8080/: No such file or directory
[ec2-user@ip-172-31-31-253 spring-petclinic]$ http://98.80.74.4:8080/
-bash: http://98.80.74.4:8080/: No such file or directory
[ec2-user@ip-172-31-31-253 spring-petclinic]$ curl http://localhost:8080
curl: (7) Failed to connect to localhost port 8080 after 0 ms: Could not connect to server
[ec2-user@ip-172-31-31-253 spring-petclinic]$ ^C
[ec2-user@ip-172-31-31-253 spring-petclinic]$ ^C
[ec2-user@ip-172-31-31-253 spring-petclinic]$ ^C

i-07e544b32927a2333 (petclinic-sandbox)
PublicIPs: 98.80.74.4 PrivateIPs: 172.31.31.253

CloudShell Feedback
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```

Final Output : Pet Clinic Running

Open your browser and go to:

http://<EC2-PUBLIC-1P>:8080

The Spring Pet Clinic application is now running successfull

Pet Clinic Web Application-----

