

# **Deployment of Spring Boot Pet Clinic Application on AWS EC2 (Amazon Linux)**

Step 1: Here Creation of EC2 instance shown

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with options like Dashboard, EC2 Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Capacity Manager, Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes). The main content area displays 'Instances (1) Info'. It shows a table with one row for 'Pet\_Clinic' (Instance ID: i-077dd500669bea36f, State: Running, Type: t3.micro, Status: Initializing). Below the table is a section titled 'Select an instance' with a dropdown menu. The top right of the page shows account information: Account ID: 6806-4372-7990, voclabs/user3790785=anishakumari23@lpu.in, and a United States (N. Virginia) region indicator.

Step 2: EC2 Console + Connect Page

The screenshot shows the 'Connect to instance' page for the 'Pet\_Clinic' instance. The top navigation bar includes links for EC2, Instances, and the specific instance ID (i-077dd500669bea36f). The main content area is titled 'Connect' (Info) and contains fields for 'Instance ID' (i-077dd500669bea36f (Pet\_Clinic)), 'Connection type' (radio buttons for 'Connect using a Public IP' (selected) and 'Connect using a Private IP'), 'Public IPv4 address' (3.92.91.176), and 'IPv6 address' (empty). There's a 'Username' field with 'ec2-user' selected. 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.' The bottom of the page includes standard AWS footer links: CloudShell, Feedback, Privacy, Terms, and Cookie preferences.

## Step 3: EC2 Terminal (Amazon Linux Welcome Screen)

The screenshot shows a terminal window within the AWS CloudShell interface. The terminal displays a cat ASCII art logo followed by the text "Amazon Linux 2023". Below the logo, a command is shown: `curl -s https://aws.amazon.com/linux/amazon-linux-2023`. The output of this command is a URL: <https://aws.amazon.com/linux/amazon-linux-2023>. The terminal prompt at the bottom is `[ec2-user@ip-172-31-65-122 ~]$`.

## Step 4 : Installing Dependencies (Java, Git, Updates)

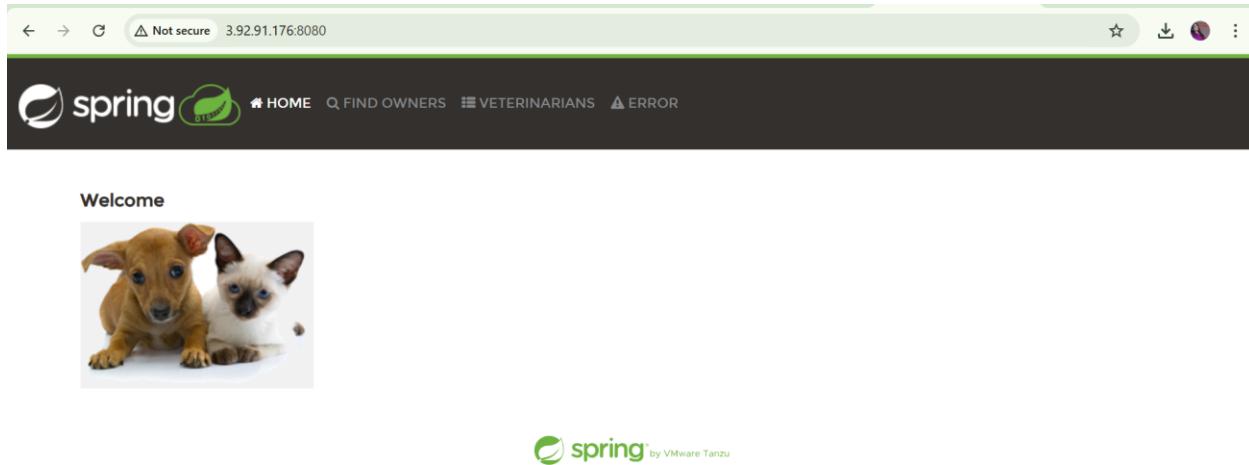
aws CloudShell Search [Alt+S] United States (N. Virginia) Account ID: 6806-4372-7990  
voclabs/user3790785=anishakumari23@lpu.in

```
Database driver: H2 JDBC Driver
Database dialect: H2dialect
Database version: 2.4.240
Default catalog/schema: 2CD824A1-FF78-470E-BBF9-5F2D32520C5E/PUBLIC
Autocommit mode: undefined/unknown
Isolation level: READ_COMMITTED [default READ_COMMITTED]
JDBC fetch size: 100
Pool: DatasourceConnectionProviderImpl
Minimum pool size: undefined/unknown
Maximum pool size: undefined/unknown

2025-11-19T04:13:47.853Z INFO 27664 --- [ restartedMain] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000489: No JTA platform available
(set 'hibernate.transaction.jta.platform' to enable JTA platform integration)
2025-11-19T04:13:47.867Z INFO 27664 --- [ restartedMain] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory
for persistence unit 'default'
2025-11-19T04:13:47.964Z INFO 27664 --- [ restartedMain] o.s.d.j.r.query.QueryEnhancerFactories : Hibernate is in classpath; If applicable, HQL parser will be used.
2025-11-19T04:13:49.188Z INFO 27664 --- [ restartedMain] o.s.b.a.e.web.EndpointLinksResolver : Exposing 13 endpoints beneath base path '/actuator'
2025-11-19T04:13:49.306Z INFO 27664 --- [ restartedMain] o.s.boot.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2025-11-19T04:13:49.315Z INFO 27664 --- [ restartedMain] o.s.s.petclinic.PetClinicApplication : Started PetClinicApplication in 6.43 seconds (process running for 7.286)
2025-11-19T04:14:56.816Z INFO 27664 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet
2025-11-19T04:14:56.817Z INFO 27664 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-11-19T04:14:56.818Z INFO 27664 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

## Final Output : Pet Clinic Running

### Pet Clinic Web Application



Open your browser and go to:

<http://<EC2-PUBLIC-IP>:8080>

The Spring Pet Clinic application is now running successfully on your EC2 instance.