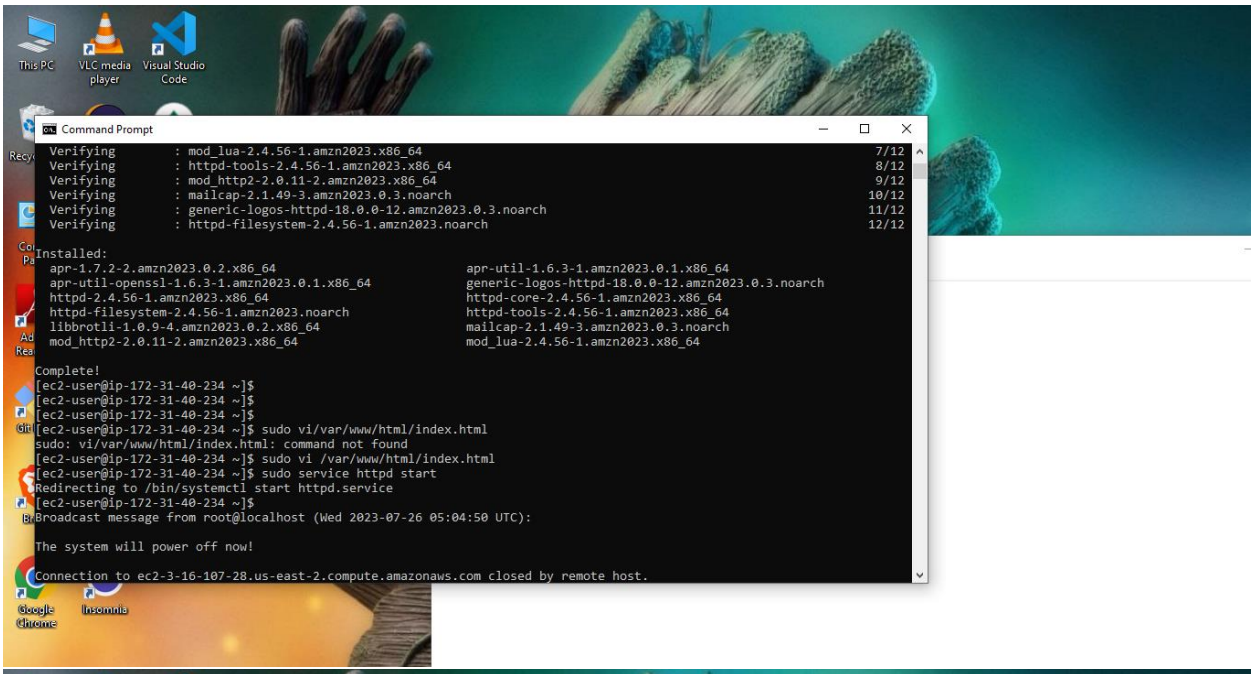
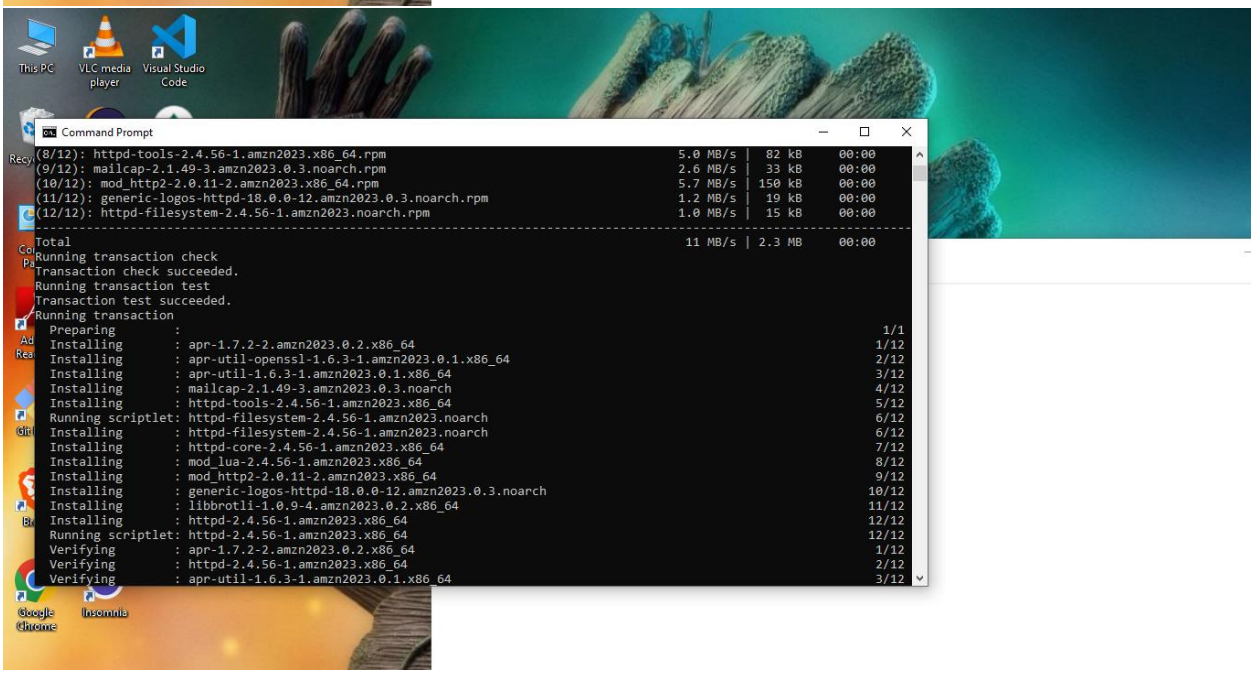
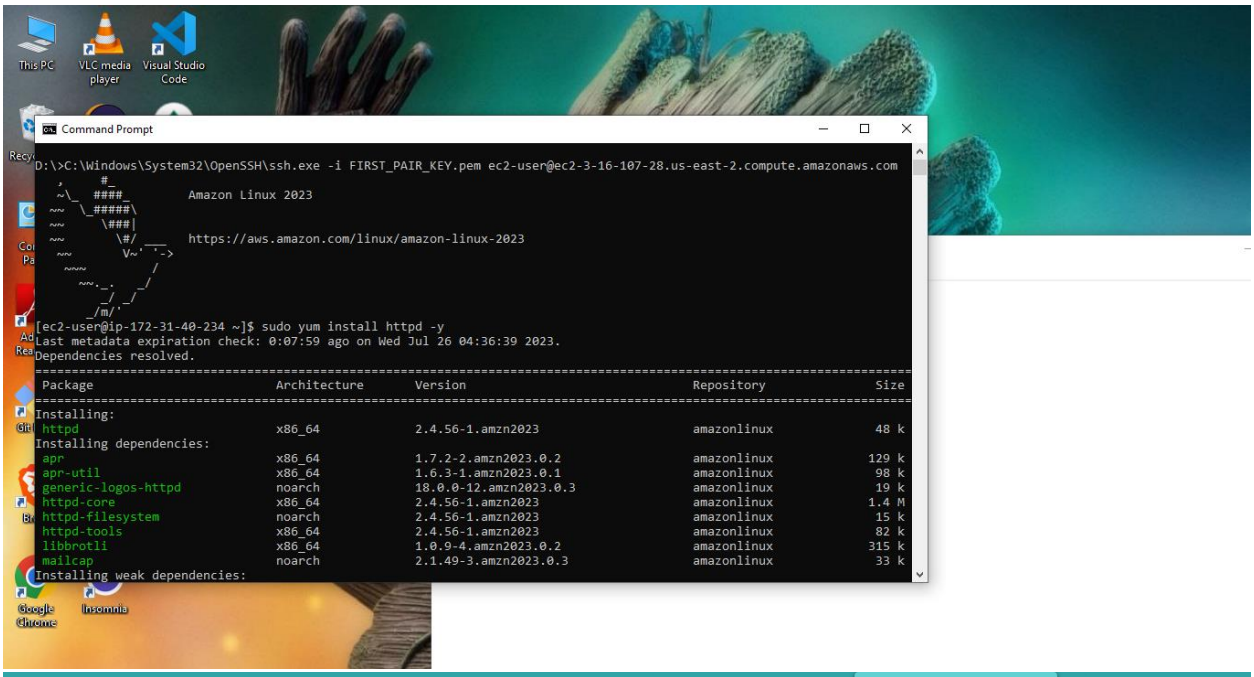
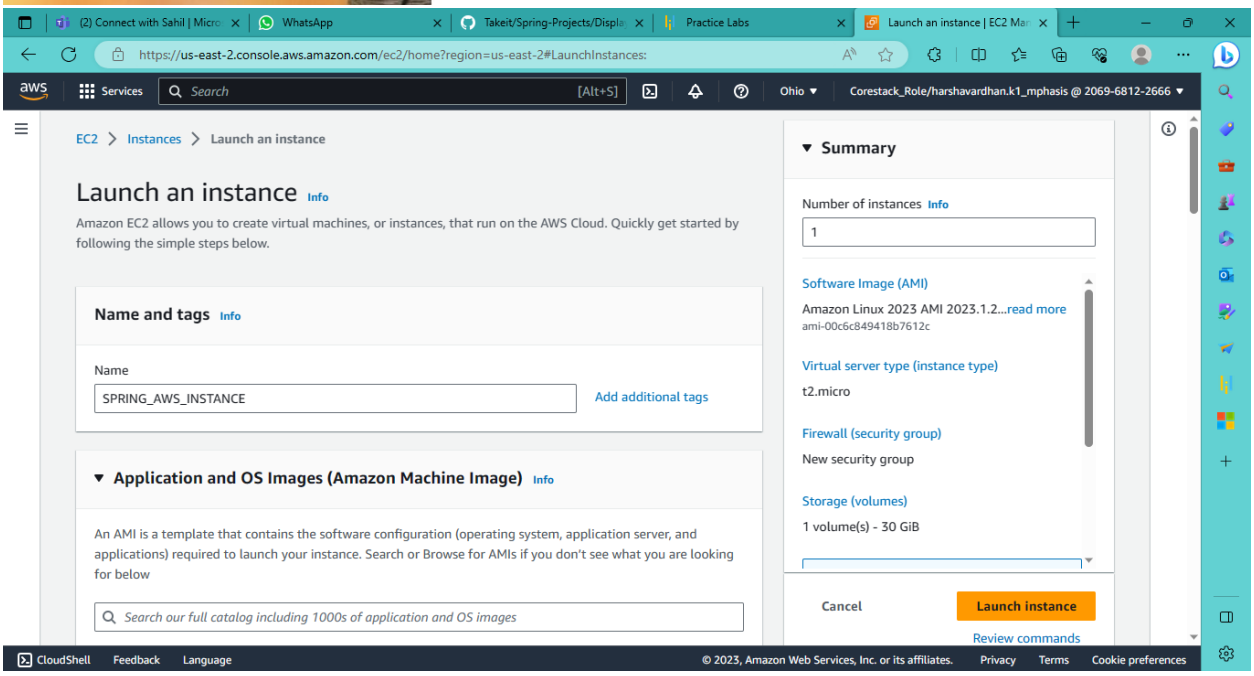
SCREENSHOTS






This PC
VLC media player
Visual Studio Code
Command Prompt
D:\>C:\Windows\System32\OpenSSH\ssh.exe -i FIRST_PAIR_KEY.pem ec2-user@ec2-3-16-107-28.us-east-2.compute.amazonaws.com
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-40-234 ~]$ sudo yum install httpd -y
Last metadata expiration check: 0:07:59 ago on Wed Jul 26 04:36:39 2023.
Dependencies resolved.
Package Architecture Version Repository Size
Installing:
httpd x86_64 2.4.56-1.amzn2023 amazonlinux 48 k
Installing dependencies:
apr x86_64 1.7.2-2.amzn2023.0.2 amazonlinux 129 k
apr-util x86_64 1.6.3-1.amzn2023.0.1 amazonlinux 98 k
generic-logos-httpd noarch 18.0.0-12.amzn2023.0.3 amazonlinux 19 k
httpd-core x86_64 2.4.56-1.amzn2023 amazonlinux 1.4 M
httpd-filesystem noarch 2.4.56-1.amzn2023 amazonlinux 15 k
httpd-tools x86_64 2.4.56-1.amzn2023 amazonlinux 82 k
libbrotli x86_64 1.0.9-4.amzn2023.0.2 amazonlinux 315 k
mailcap noarch 2.1.49-3.amzn2023.0.3 amazonlinux 33 k
Installing weak dependencies:
Google Chrome
Insomnia


(2) Connect with Sahil | Micro
WhatsApp
Takeit/Spring-Projects/Displa
Practice Labs
Launch an instance | EC2 Ma
https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:
aws
Services
Search
[Alt+S]
Ohio
Corestack_Role/harshavardhan.k1_mphasis @ 2069-6812-2666
EC2 > Instances > Launch an 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
SPRING_AWS_INSTANCE
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-00c6c849418b7612c
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
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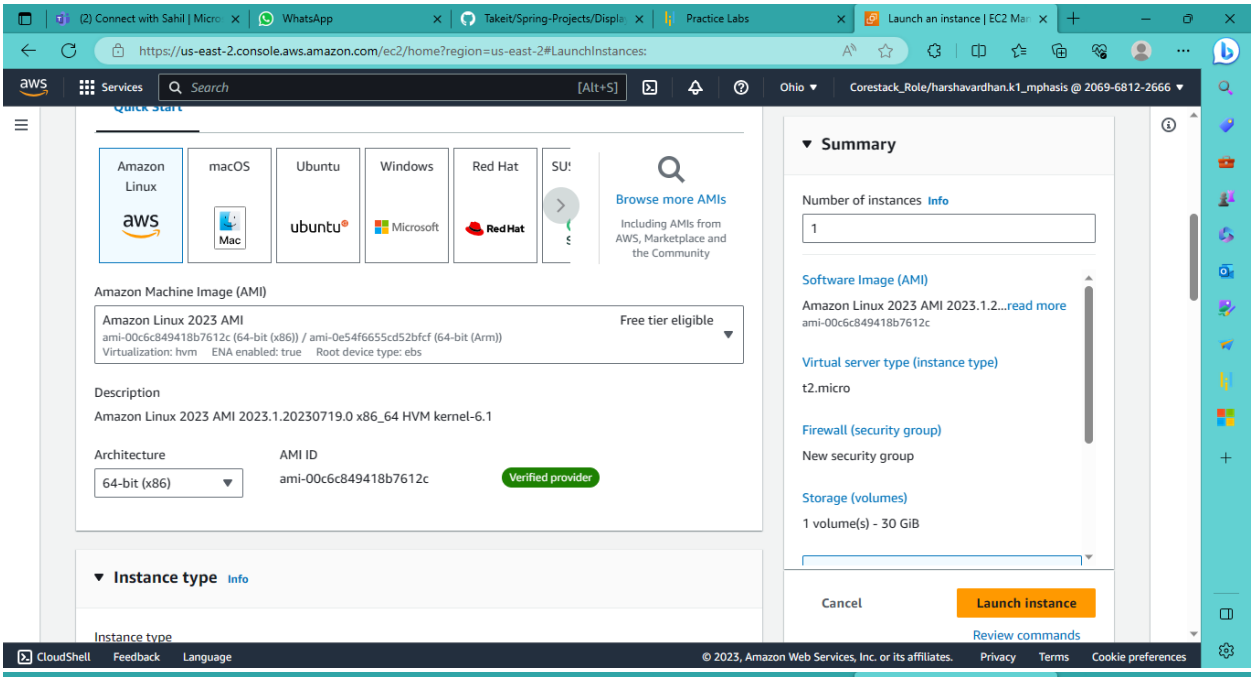
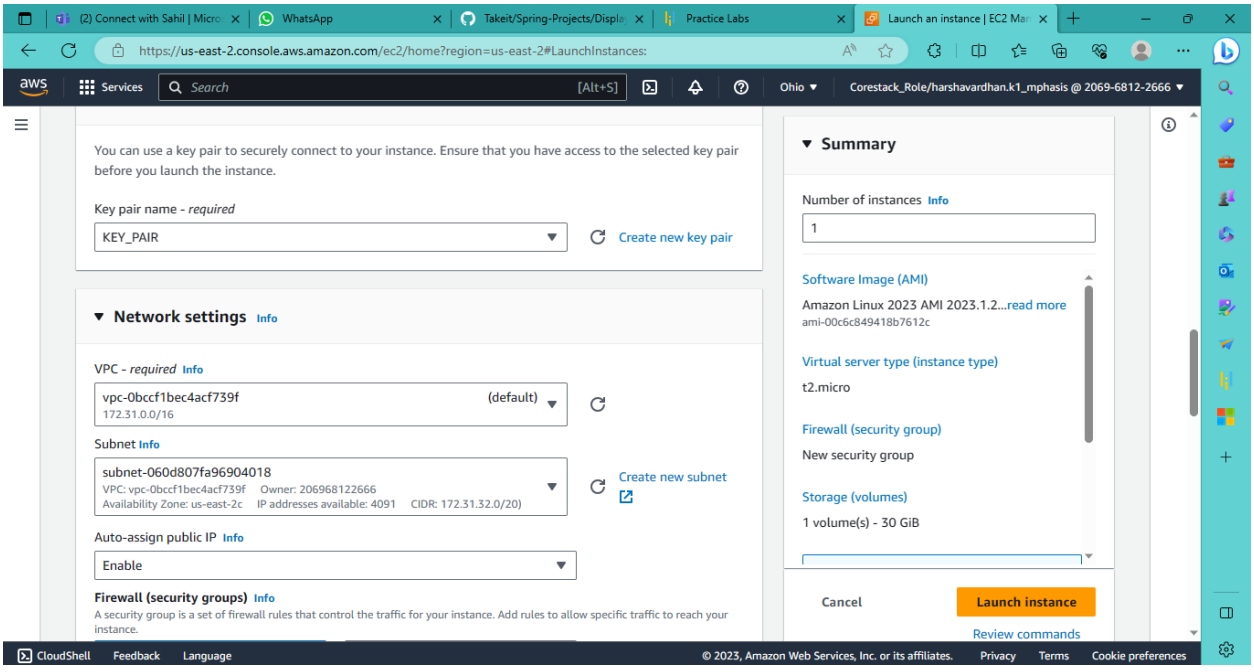
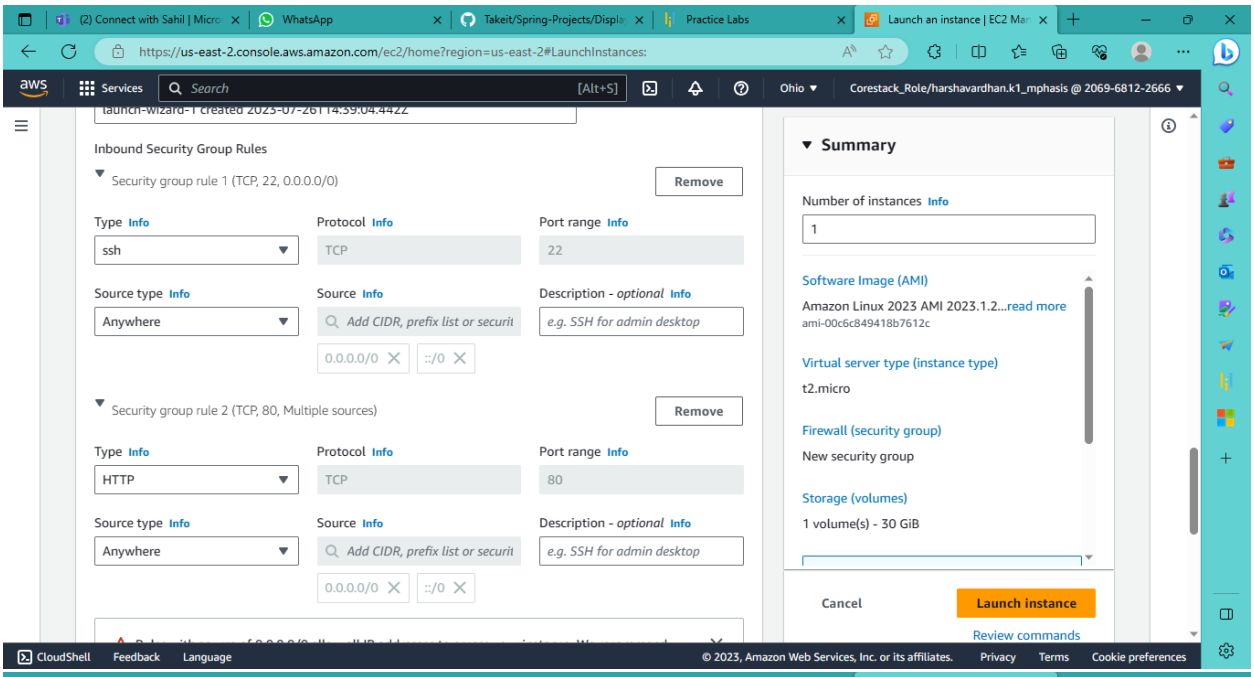

Amazon Linux
macOS
Ubuntu
Windows
Red Hat
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Amazon Linux 2023 AMI
ami-00c6c849418b7612c (64-bit (x86)) / ami-0e54f6655cd52bfcf (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Free tier eligible
Description
Amazon Linux 2023 AMI 2023.1.20230719.0 x86_64 HVM kernel-6.1
Architecture
64-bit (x86)
AMI ID
ami-00c6c849418b7612c
Verified provider
Instance type Info
Instance type
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-00c6c849418b7612c
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands


You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
KEY_PAIR
Create new key pair
Network settings Info
VPC - required Info
vpc-0bccf1bec4acf739f (default)
172.31.0.0/16
Subnet Info
subnet-060d807fa96904018
VPC: vpc-0bccf1bec4acf739f Owner: 206968122666
Availability Zone: us-east-2c IP addresses available: 4091 CIDR: 172.31.32.0/20)
Create new subnet
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.
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-00c6c849418b7612c
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands


Inbound Security Group Rules
Security group rule 1 (TCP, 22, 0.0.0.0/0)
Remove
Type Info
ssh
Protocol Info
TCP
Port range Info
22
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or securit
Description - optional Info
e.g. SSH for admin desktop
0.0.0.0/0
::/0
Security group rule 2 (TCP, 80, Multiple sources)
Remove
Type Info
HTTP
Protocol Info
TCP
Port range Info
80
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or securit
Description - optional Info
e.g. SSH for admin desktop
0.0.0.0/0
::/0
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-00c6c849418b7612c
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
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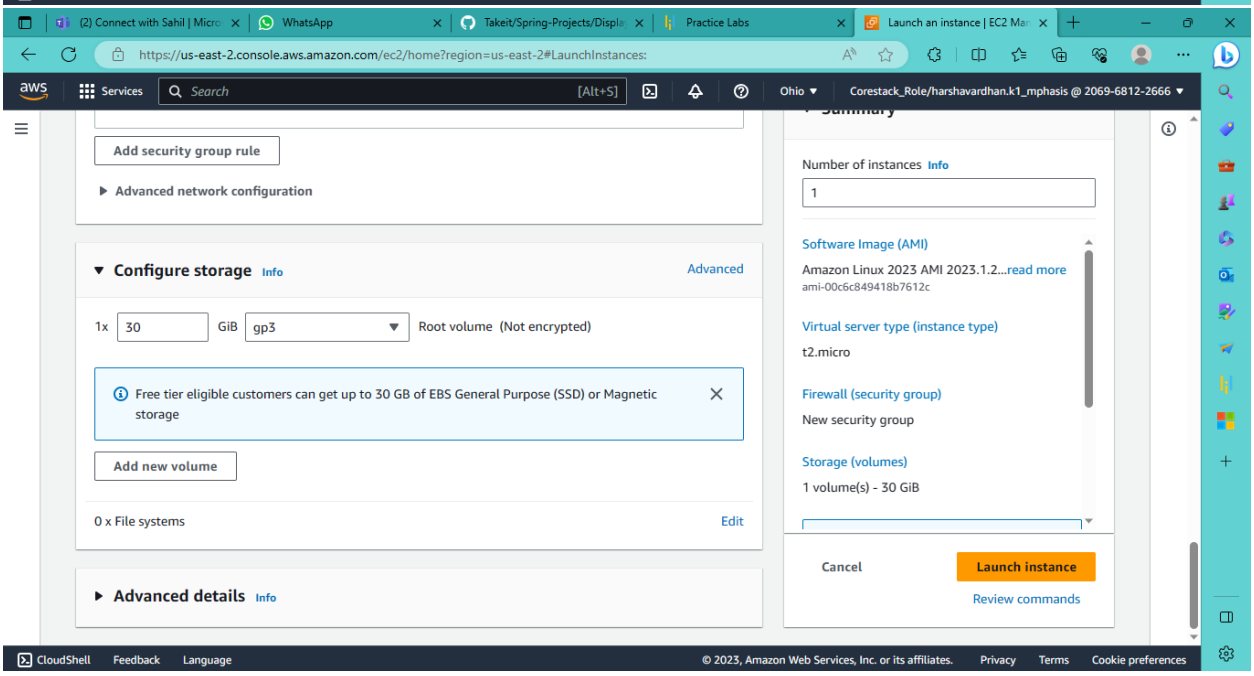
Add security group rule
Advanced network configuration
Configure storage Info
Advanced
1x
30
GiB
gp3
Root volume (Not encrypted)
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
0 x File systems
Edit
Advanced details Info
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.1.2...read more
ami-00c6c849418b7612c
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 30 GiB
Cancel
Launch instance
Review commands
CloudShell
Feedback
Language
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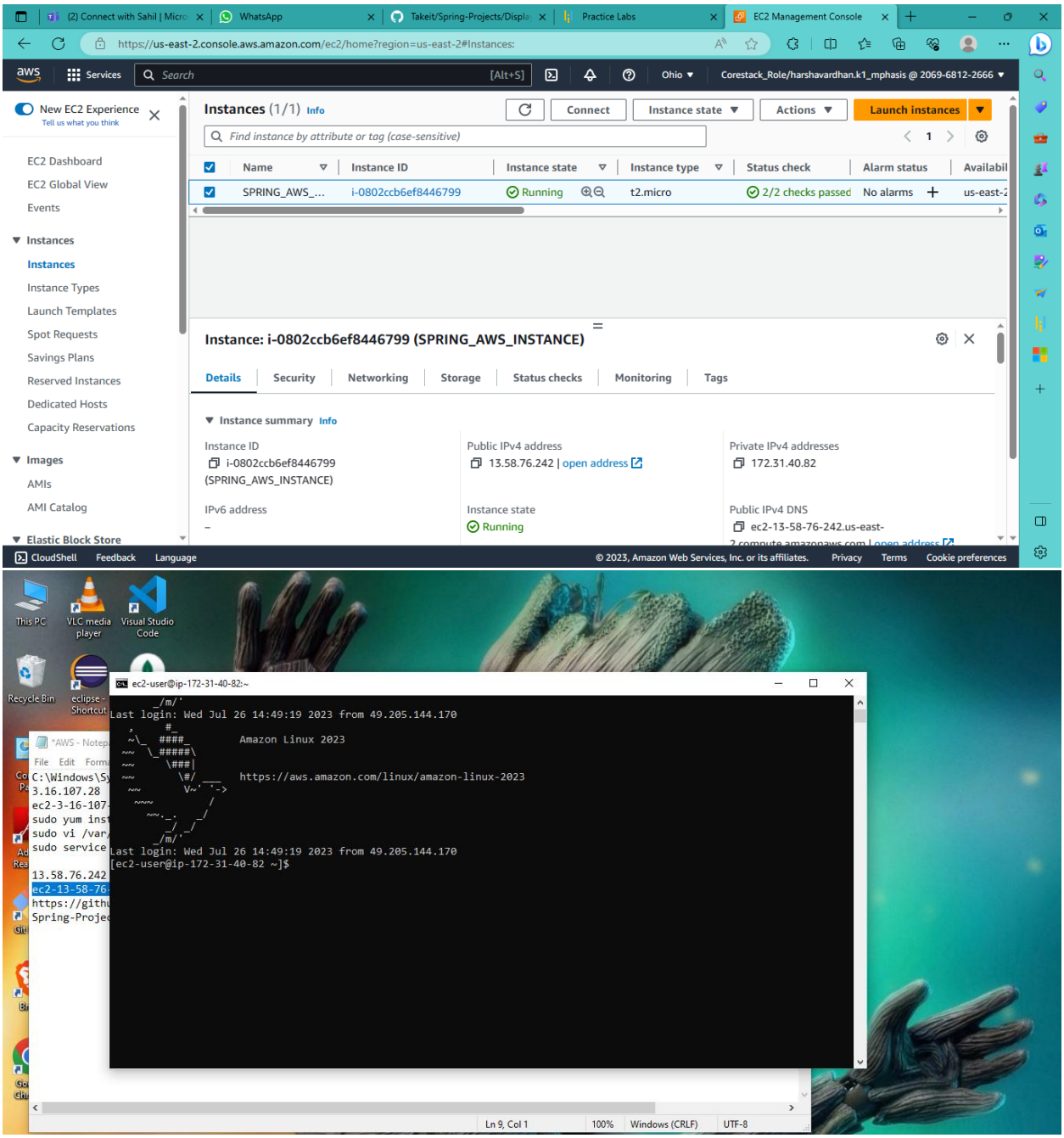
EC2 Management Console
https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:
Services
Search
[Alt+S]
Ohio
Corestack_Role/harshavardhan.k1_mphasis @ 2069-6812-2666
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
SPRING_AWS_...
i-0802ccb6ef8446799
Running
t2.micro
2/2 checks passed
No alarms
Instance: i-0802ccb6ef8446799 (SPRING_AWS_INSTANCE)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0802ccb6ef8446799
(SPRING_AWS_INSTANCE)
Public IPv4 address
13.58.76.242 | open address
Private IPv4 addresses
172.31.40.82
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-13-58-76-242.us-east-
CloudShell
Feedback
Language
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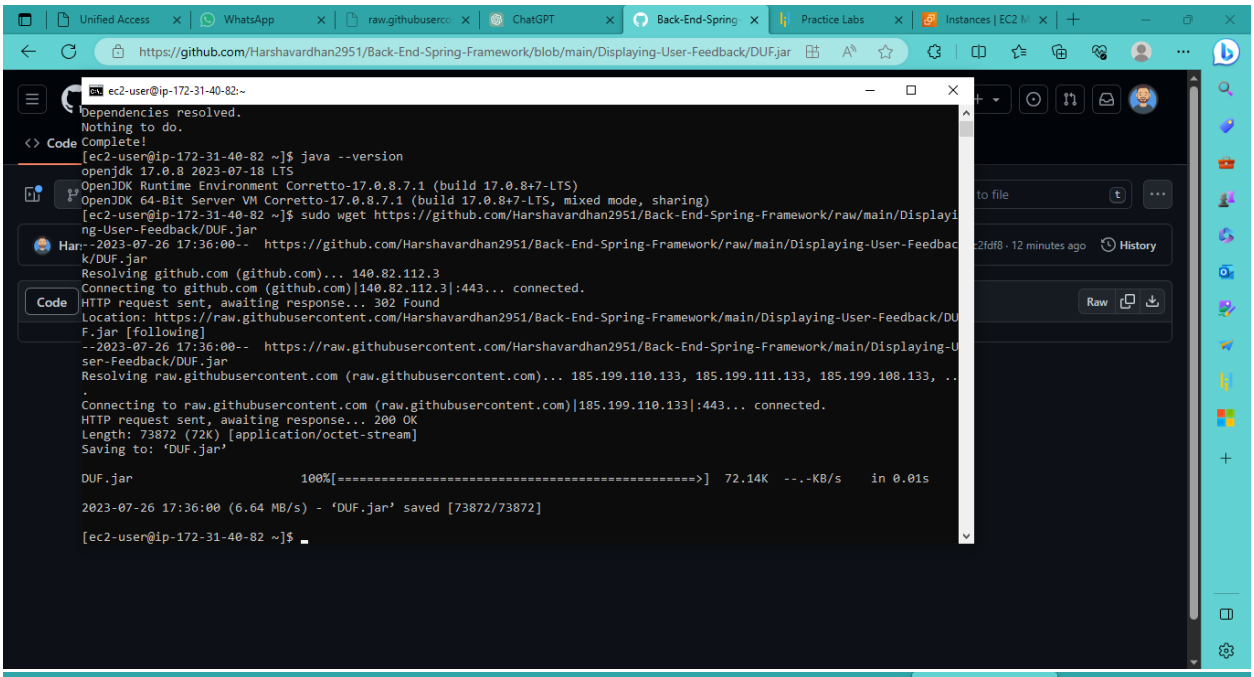
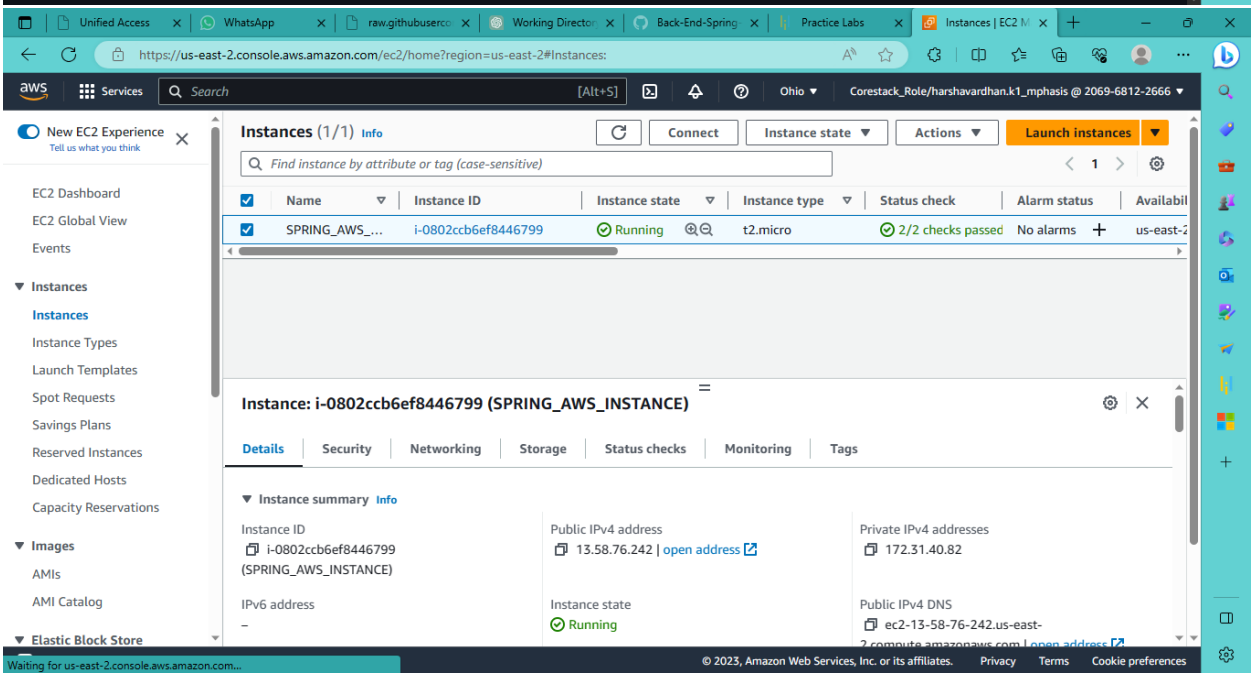
Privacy
Terms
Cookie preferences
This PC
VLC media player
Visual Studio Code
Recycle Bin
eclipse - Shortcut
ec2-user@ip-172-31-40-82:~
Last login: Wed Jul 26 14:49:19 2023 from 49.205.144.170
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Wed Jul 26 14:49:19 2023 from 49.205.144.170
[ec2-user@ip-172-31-40-82 ~]$
*AWS - Notepad
File Edit Format
C:\Windows\Sy
3.16.107.28
ec2-3-16-107-
sudo yum inst
sudo vi /var/
sudo service
13.58.76.242
ec2-13-58-76-
https://githu
Spring-Projec
Ln 9, Col 1
100%
Windows (CRLF)
UTF-8


Unified Access
WhatsApp
raw.githubuserco
ChatGPT
Back-End-Spring
Practice Labs
Instances | EC2 M
https://github.com/Harshavardhan2951/Back-End-Spring-Framework/blob/main/Displaying-User-Feedback/DUF.jar
ec2-user@ip-172-31-40-82:~
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-40-82 ~]$ java --version
openjdk 17.0.8 2023-07-18 LTS
OpenJDK Runtime Environment Corretto-17.0.8.7.1 (build 17.0.8+7-LTS)
OpenJDK 64-Bit Server VM Corretto-17.0.8.7.1 (build 17.0.8+7-LTS, mixed mode, sharing)
[ec2-user@ip-172-31-40-82 ~]$ sudo wget https://github.com/Harshavardhan2951/Back-End-Spring-Framework/raw/main/Displaying-User-Feedback/DUF.jar
--2023-07-26 17:36:00-- https://github.com/Harshavardhan2951/Back-End-Spring-Framework/raw/main/Displaying-User-Feedback/DUF.jar
Resolving github.com (github.com)... 140.82.112.3
Connecting to github.com (github.com)|140.82.112.3|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://raw.githubusercontent.com/Harshavardhan2951/Back-End-Spring-Framework/main/Displaying-User-Feedback/DUF.jar [following]
--2023-07-26 17:36:00-- https://raw.githubusercontent.com/Harshavardhan2951/Back-End-Spring-Framework/main/Displaying-User-Feedback/DUF.jar
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.110.133, 185.199.111.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.110.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 73872 (72K) [application/octet-stream]
Saving to: 'DUF.jar'
DUF.jar 100%[=====>] 72.14K --.-KB/s in 0.01s
2023-07-26 17:36:00 (6.64 MB/s) - 'DUF.jar' saved [73872/73872]
[ec2-user@ip-172-31-40-82 ~]$
Code
Raw
History


Unified Access
WhatsApp
raw.githubuserco
Working Director
Back-End-Spring
Practice Labs
Instances | EC2 M
https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:
aws
Services
Search
[Alt+S]
Ohio
Corestack_Role/harshavardhan.k1_mphasis @ 2069-6812-2666
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
SPRING_AWS_...
i-0802ccb6ef8446799
Running
t2.micro
2/2 checks passed
No alarms
Instance: i-0802ccb6ef8446799 (SPRING_AWS_INSTANCE)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0802ccb6ef8446799 (SPRING_AWS_INSTANCE)
Public IPv4 address
13.58.76.242 | open address
Private IPv4 addresses
172.31.40.82
IPv6 address
–
Instance state
Running
Public IPv4 DNS
ec2-13-58-76-242.us-east-
Waiting for us-east-2.console.aws.amazon.com...
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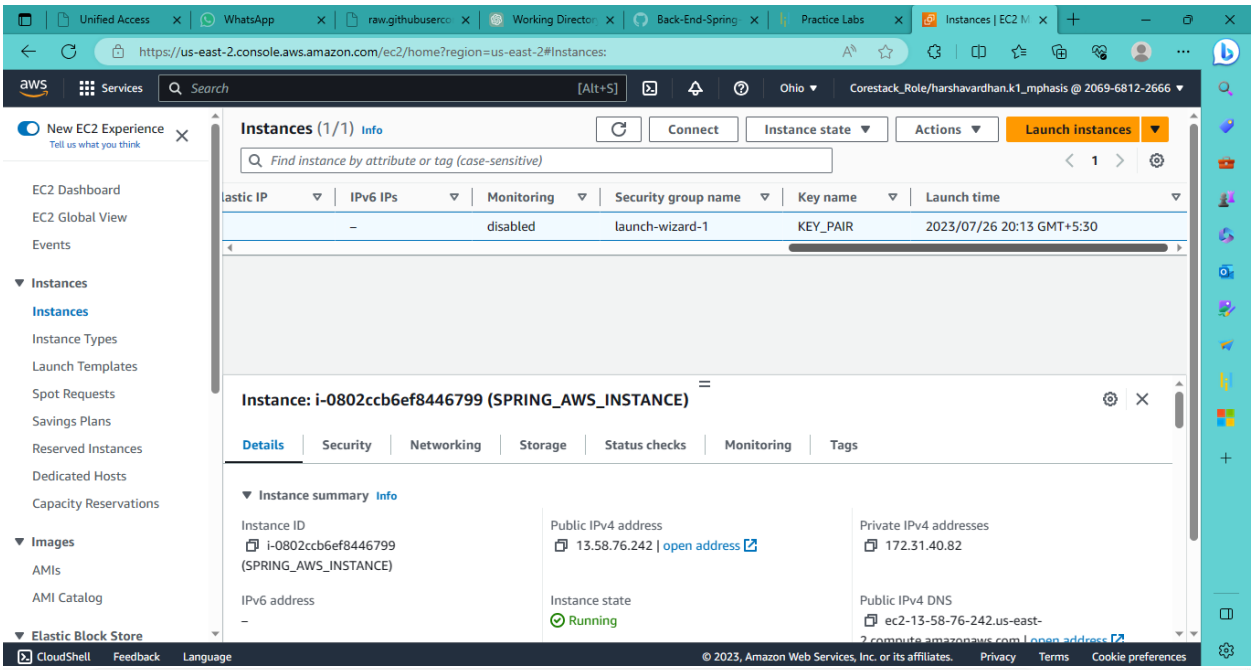


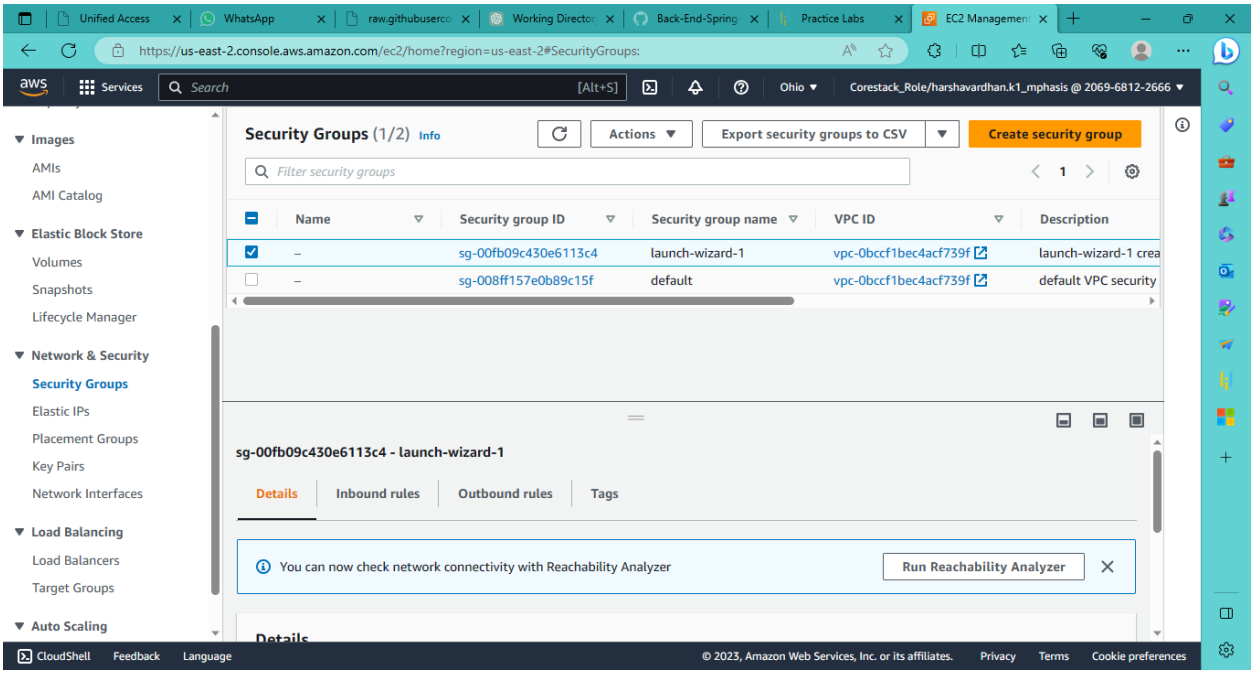
Spring Boot Application

Fill Form to Connect

The formenctype attribute specifies how the form data should be encoded when submitted.

First name:

Submit | Submit as Multipart/form-data


Unified Access
WhatsApp
Practice Labs
EC2 Management
https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#SecurityGroups:
aws
Services
Search
[Alt+S]
Ohio
Corestack_Role/harshavardhan.k1_mphasis @ 2069-6812-2666
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Auto Scaling
Security Groups (1/2) Info
Actions
Export security groups to CSV
Create security group
Filter security groups
Name
Security group ID
Security group name
VPC ID
Description
sg-00fb09c430e6113c4
launch-wizard-1
vpc-0bccf1bec4acf739f
launch-wizard-1 crea
sg-008ff157e0b89c15f
default
default VPC security
sg-00fb09c430e6113c4 - launch-wizard-1
Details
Inbound rules
Outbound rules
Tags
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
CloudShell
Feedback
Language
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