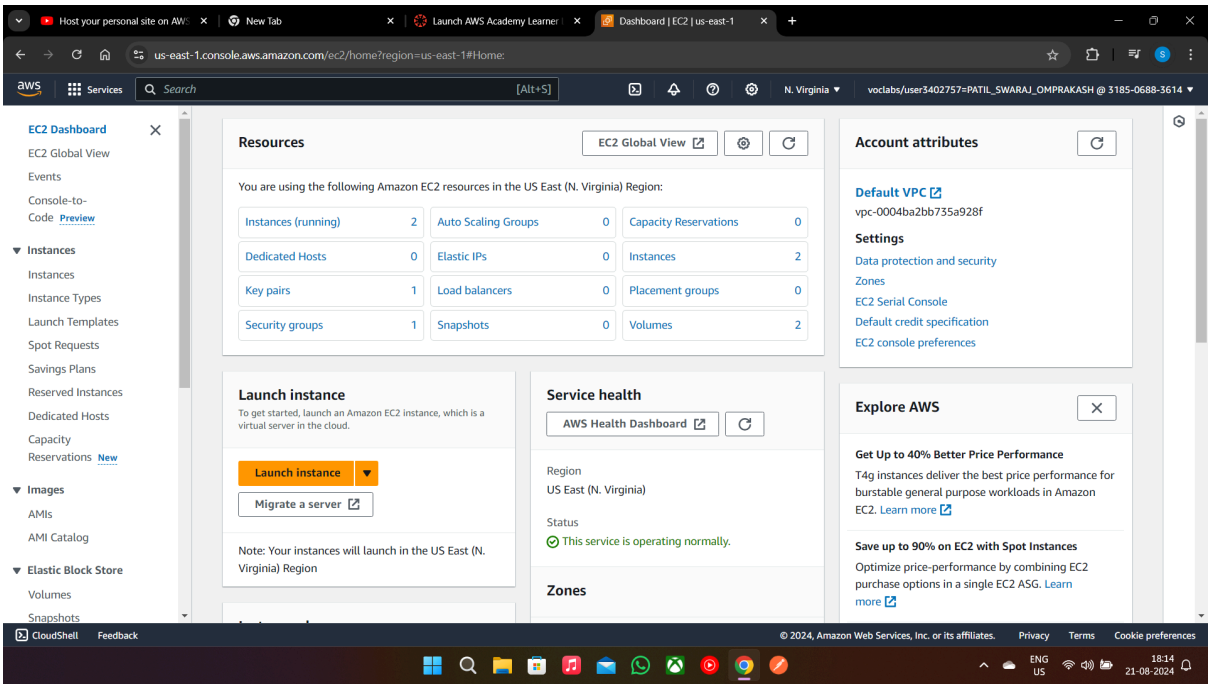
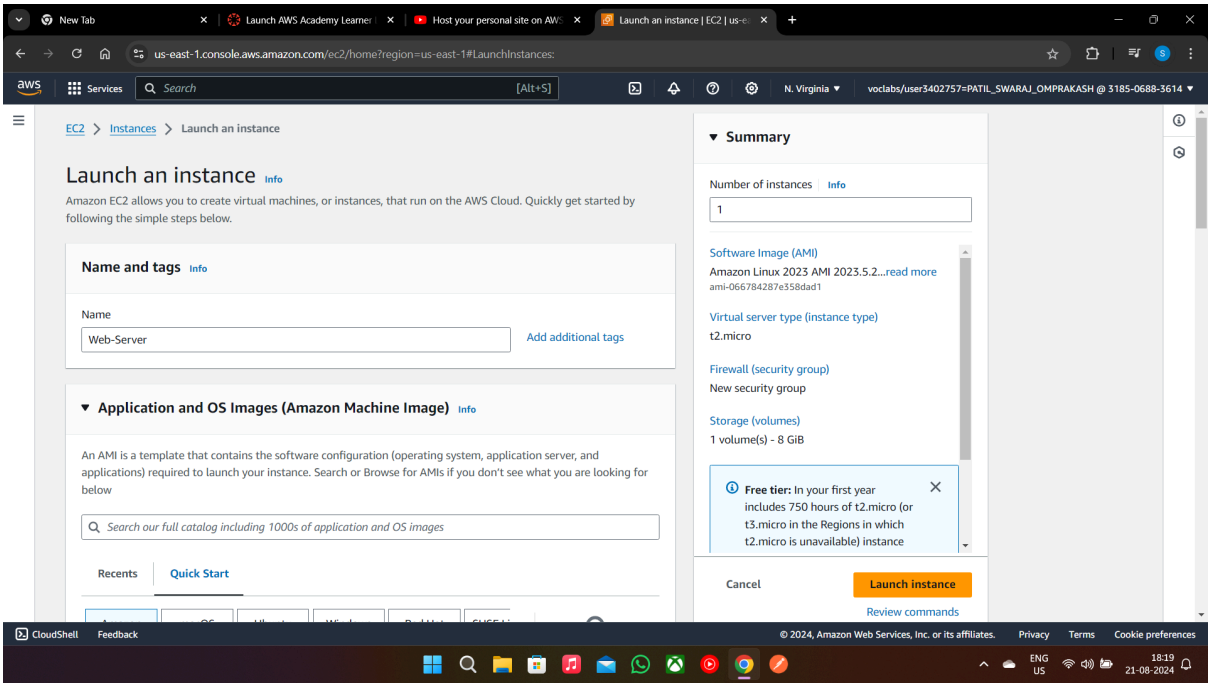
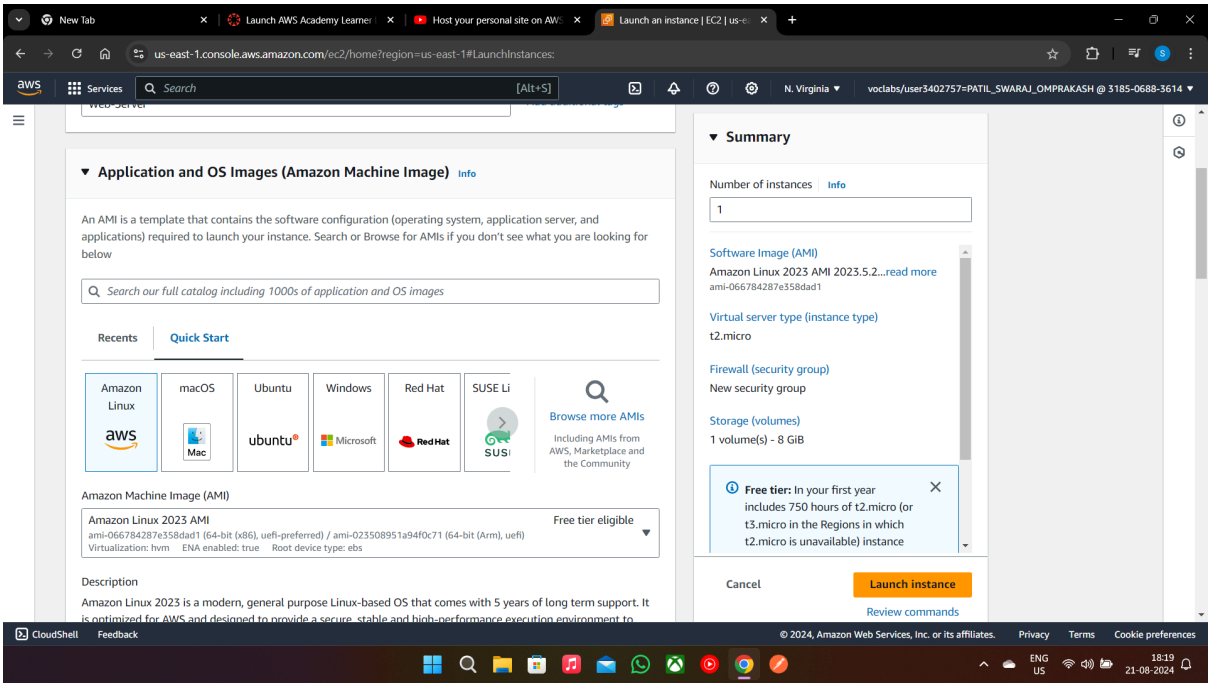
EXPERIMENT 1

1) To Devlop A Website And Host it on a VM.

Steps:
Create An Instance:






New Tab
Launch AWS Academy Learner
Host your personal site on AW
Launch an instance | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
aws
Services
Search
[Alt+S]
N. Virginia
voclabs/user3402757=PATIL_SWARAJ_OMPRAKASH @ 3185-0688-3614
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
Recents
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
SUSE Li
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Amazon Linux 2023 AMI
Free tier eligible
ami-066784287e358dad1 (64-bit (x86), uefi-preferred) / ami-023508951a94f0c71 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs
Description
Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-066784287e358dad1
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 includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance
Cancel
Launch instance
Review commands
CloudShell
Feedback
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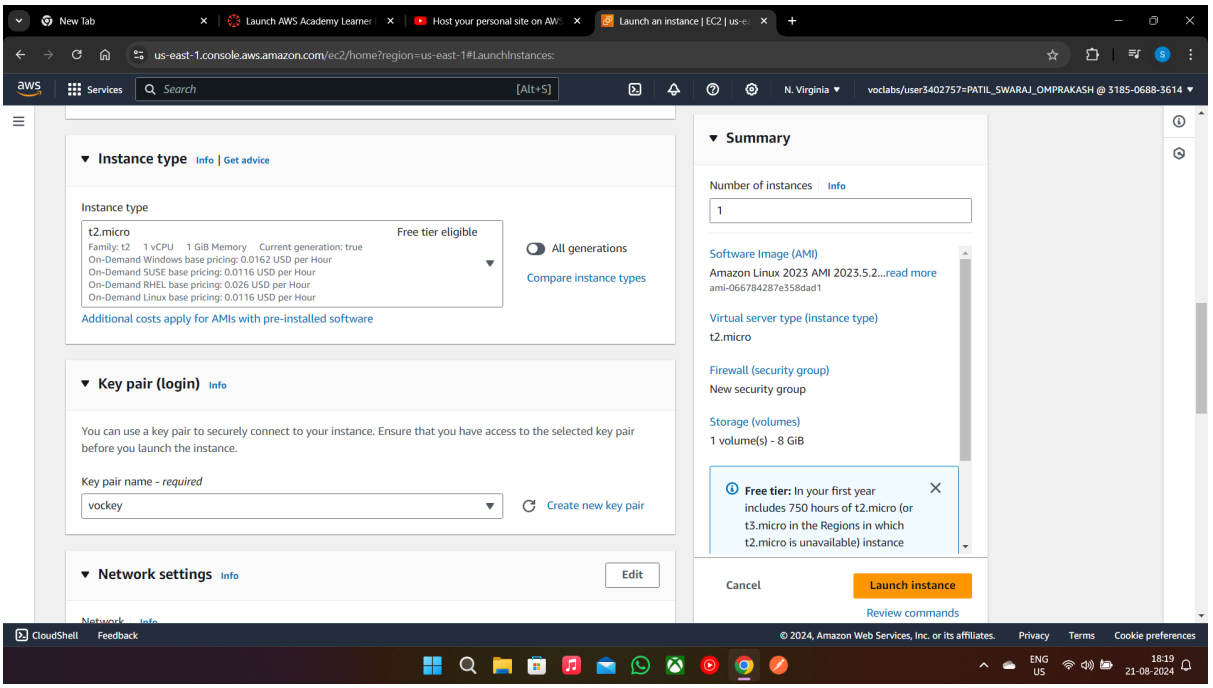
US
18:19
21-08-2024


New Tab
Launch AWS Academy Learner
Host your personal site on AW
Launch an instance | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
aws
Services
Search
[Alt+S]
N. Virginia
voclabs/user3402757=PATIL_SWARAJ_OMPRAKASH @ 3185-0688-3614
Instance type Info | Get advice
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
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
vockey
Create new key pair
Network settings Info
Edit
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-066784287e358dad1
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
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Launch instance
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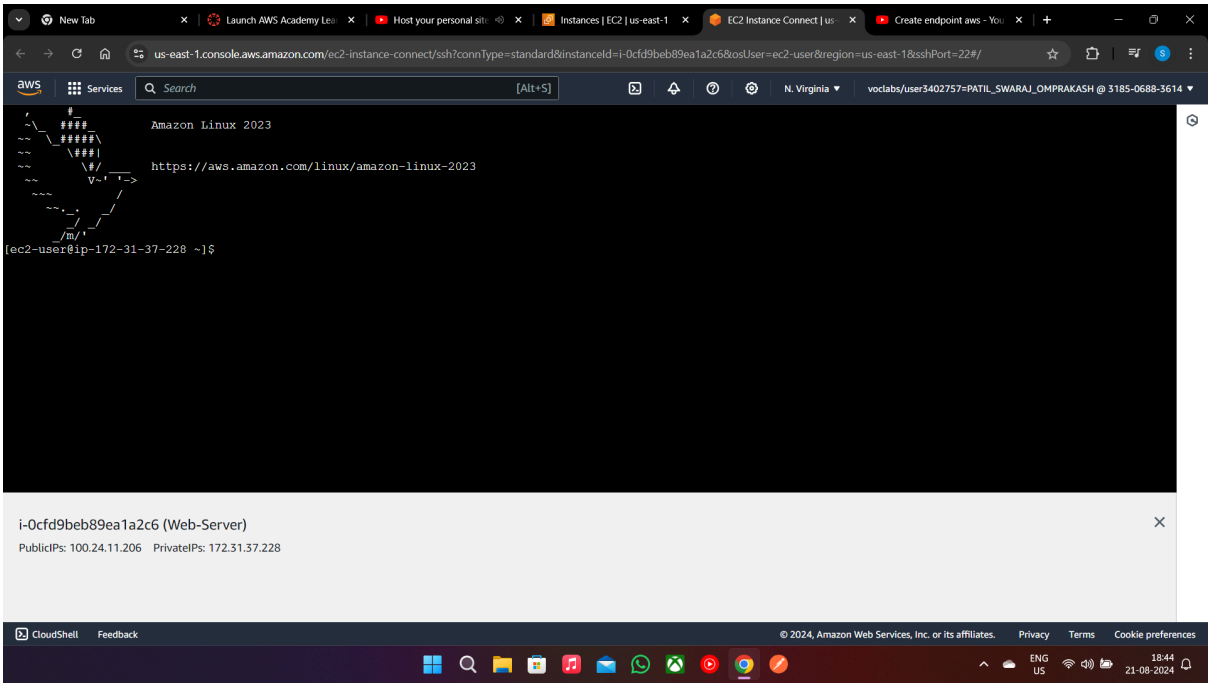
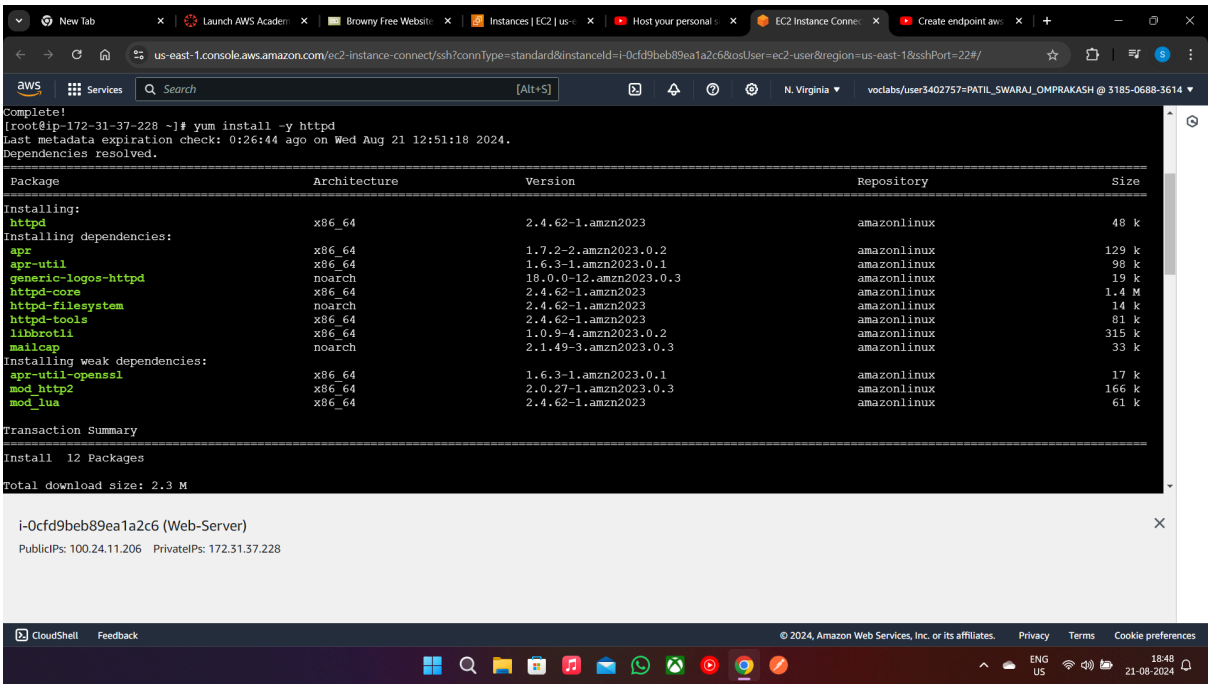
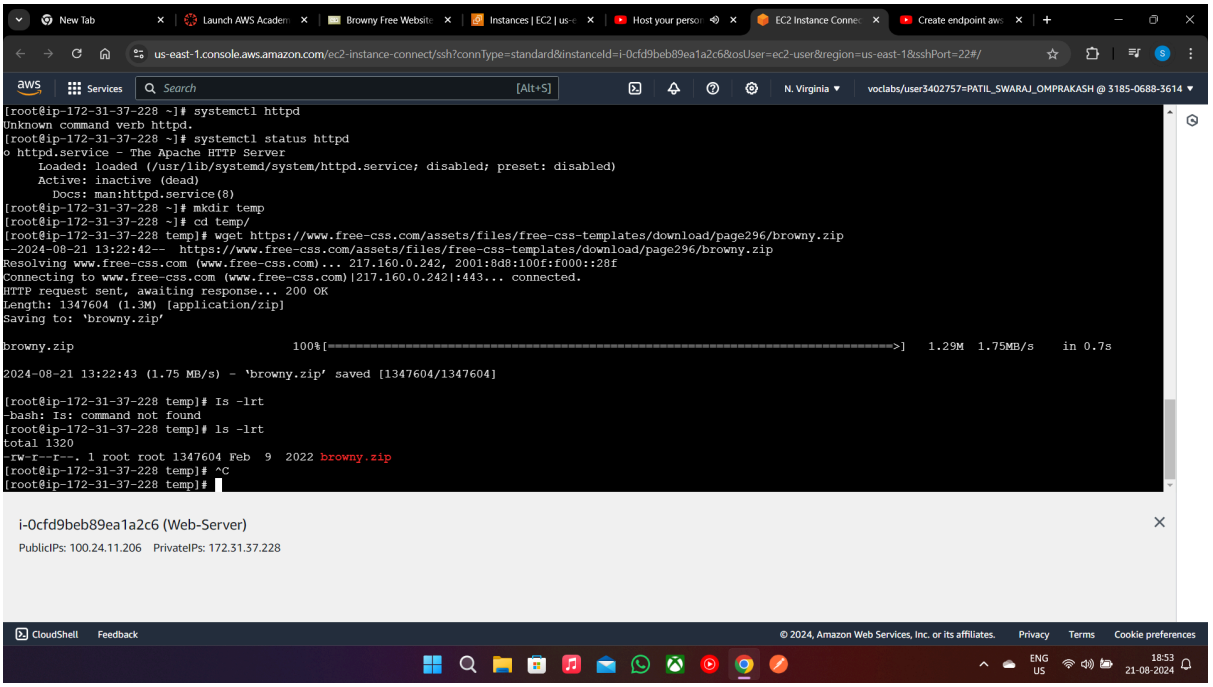
Step 2: Connect To the Instance:



Type the Required Commands:




New Tab
Launch AWS Academ
Browny Free Website
Instances | EC2 | us-e
Host your perso
EC2 Instance Connec
Create endpoint aws
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0cfd9beb89ea1a2c6&osUser=ec2-user&region=us-east-1&sshPort=22#/
Services
Search
[Alt+S]
N. Virginia
voclabs/user3402757=PATIL_SWARAJ_OMPRAKASH @ 3185-0688-3614
[root@ip-172-31-37-228 ~]# systemctl httpd
Unknown command verb httpd.
[root@ip-172-31-37-228 ~]# systemctl status httpd
o httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
Active: inactive (dead)
Docs: man:httpd.service(8)
[root@ip-172-31-37-228 ~]# mkdir temp
[root@ip-172-31-37-228 ~]# cd temp/
[root@ip-172-31-37-228 temp]# wget https://www.free-css.com/assets/files/free-css-templates/download/page296/browny.zip
--2024-08-21 13:22:42-- https://www.free-css.com/assets/files/free-css-templates/download/page296/browny.zip
Resolving www.free-css.com (www.free-css.com)... 217.160.0.242, 2001:8d8:100f:f000::28f
Connecting to www.free-css.com (www.free-css.com)|217.160.0.242|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1347604 (1.3M) [application/zip]
Saving to: 'browny.zip'
browny.zip 100%[>] 1.29M 1.75MB/s in 0.7s
2024-08-21 13:22:43 (1.75 MB/s) - 'browny.zip' saved [1347604/1347604]
[root@ip-172-31-37-228 temp]# Is -lrt
-bash: Is: command not found
[root@ip-172-31-37-228 temp]# ls -lrt
total 1320
-rw-r--r--. 1 root root 1347604 Feb 9 2022 browny.zip
[root@ip-172-31-37-228 temp]# ^C
[root@ip-172-31-37-228 temp]#
i-0cfd9beb89ea1a2c6 (Web-Server)
PublicIPs: 100.24.11.206 PrivateIPs: 172.31.37.228
CloudShell
Feedback
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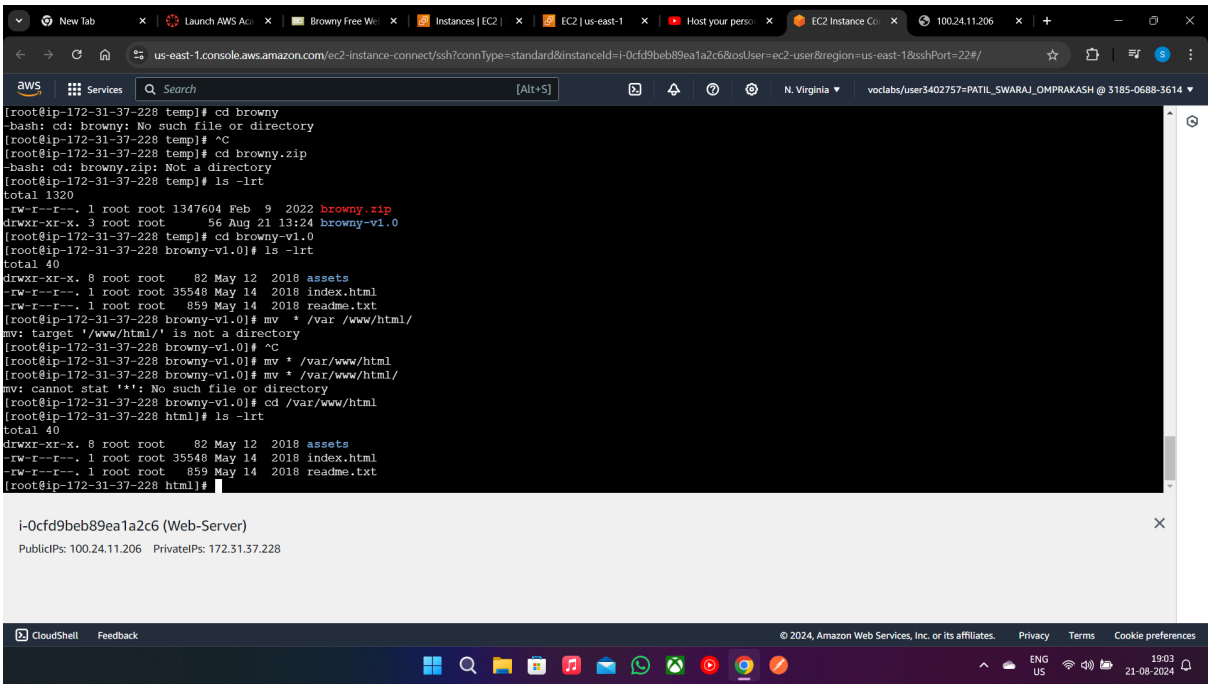
18:53
21-08-2024


New Tab
Launch AWS Ac
Browny Free We
Instances | EC2 |
EC2 | us-east-1
Host your perso
EC2 Instance Co
100.24.11.206
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0cfd9beb89ea1a2c6&osUser=ec2-user&region=us-east-1&sshPort=22#/
Services
Search
[Alt+S]
N. Virginia
voclabs/user3402757=PATIL_SWARAJ_OMPRAKASH @ 3185-0688-3614
[root@ip-172-31-37-228 temp]# cd browny
-bash: cd: browny: No such file or directory
[root@ip-172-31-37-228 temp]# ^C
[root@ip-172-31-37-228 temp]# cd browny.zip
-bash: cd: browny.zip: Not a directory
[root@ip-172-31-37-228 temp]# ls -lrt
total 1320
-rw-r--r--. 1 root root 1347604 Feb 9 2022 browny.zip
drwxr-xr-x. 3 root root 56 Aug 21 13:24 browny-v1.0
[root@ip-172-31-37-228 temp]# cd browny-v1.0
[root@ip-172-31-37-228 browny-v1.0]# ls -lrt
total 40
drwxr-xr-x. 8 root root 82 May 12 2018 assets
-rw-r--r--. 1 root root 35548 May 14 2018 index.html
-rw-r--r--. 1 root root 859 May 14 2018 readme.txt
[root@ip-172-31-37-228 browny-v1.0]# mv * /var /www/html/
mv: target '/www/html/' is not a directory
[root@ip-172-31-37-228 browny-v1.0]# ^C
[root@ip-172-31-37-228 browny-v1.0]# mv * /var/www/html
[root@ip-172-31-37-228 browny-v1.0]# mv * /var/www/html/
mv: cannot stat '*': No such file or directory
[root@ip-172-31-37-228 browny-v1.0]# cd /var/www/html
[root@ip-172-31-37-228 html]# ls -lrt
total 40
drwxr-xr-x. 8 root root 82 May 12 2018 assets
-rw-r--r--. 1 root root 35548 May 14 2018 index.html
-rw-r--r--. 1 root root 859 May 14 2018 readme.txt
[root@ip-172-31-37-228 html]#
i-0cfd9beb89ea1a2c6 (Web-Server)
PublicIPs: 100.24.11.206 PrivateIPs: 172.31.37.228
CloudShell
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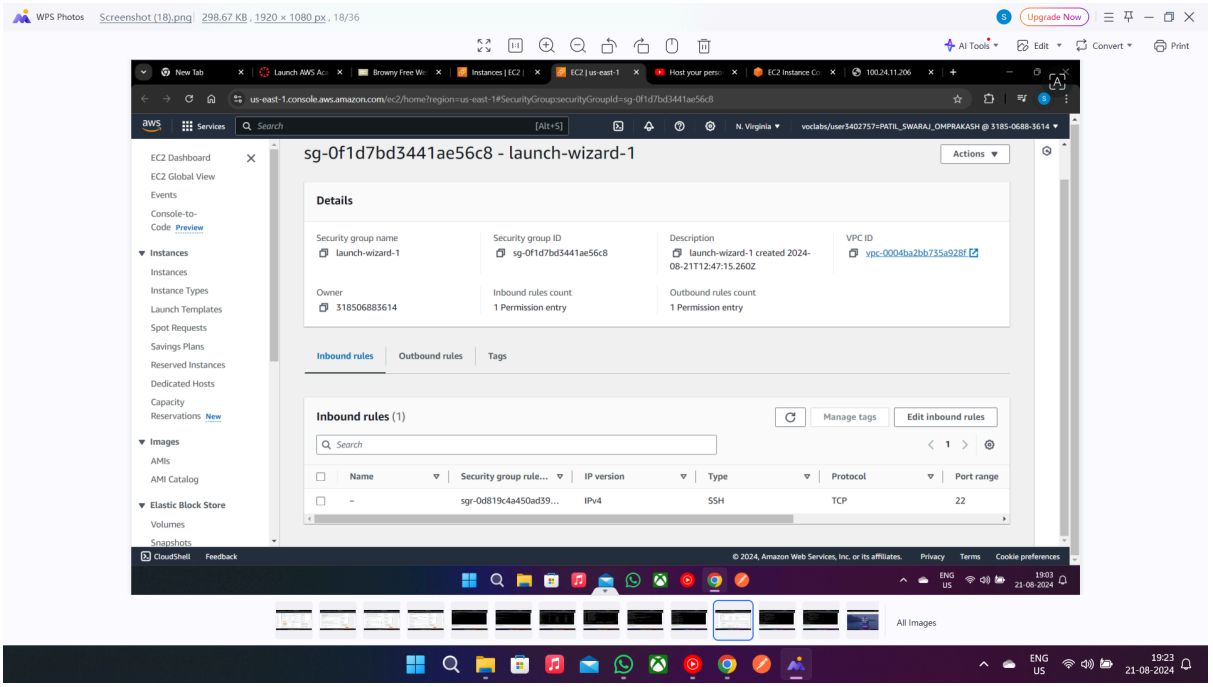
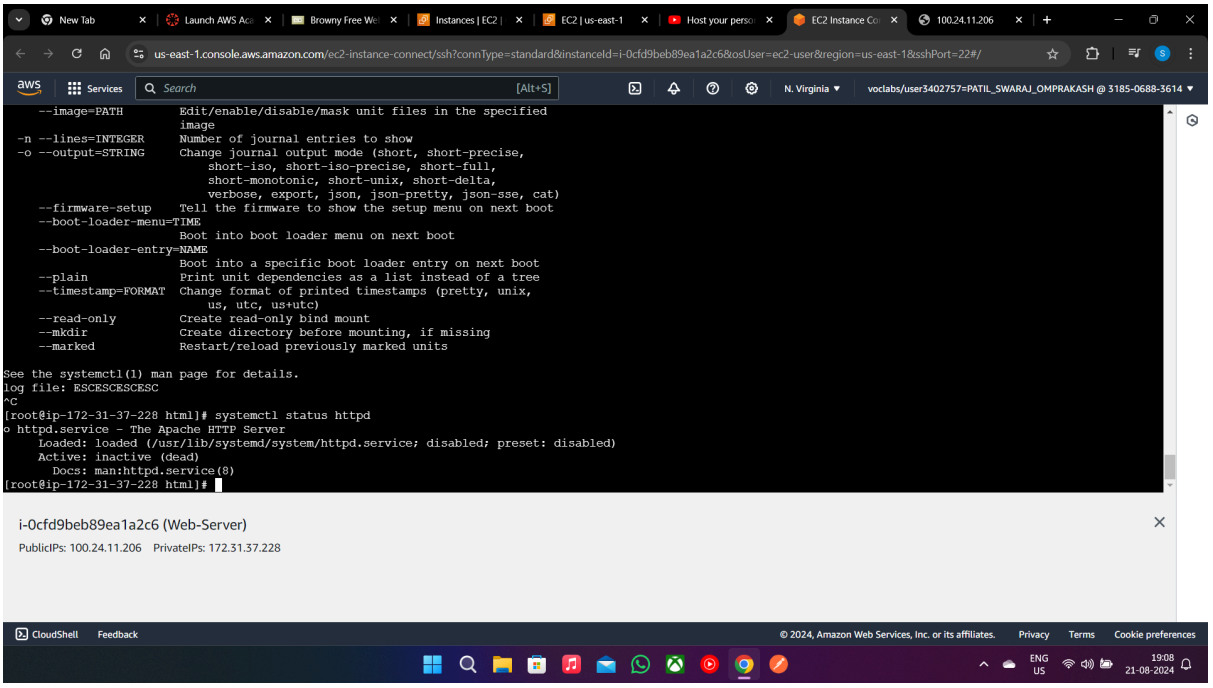
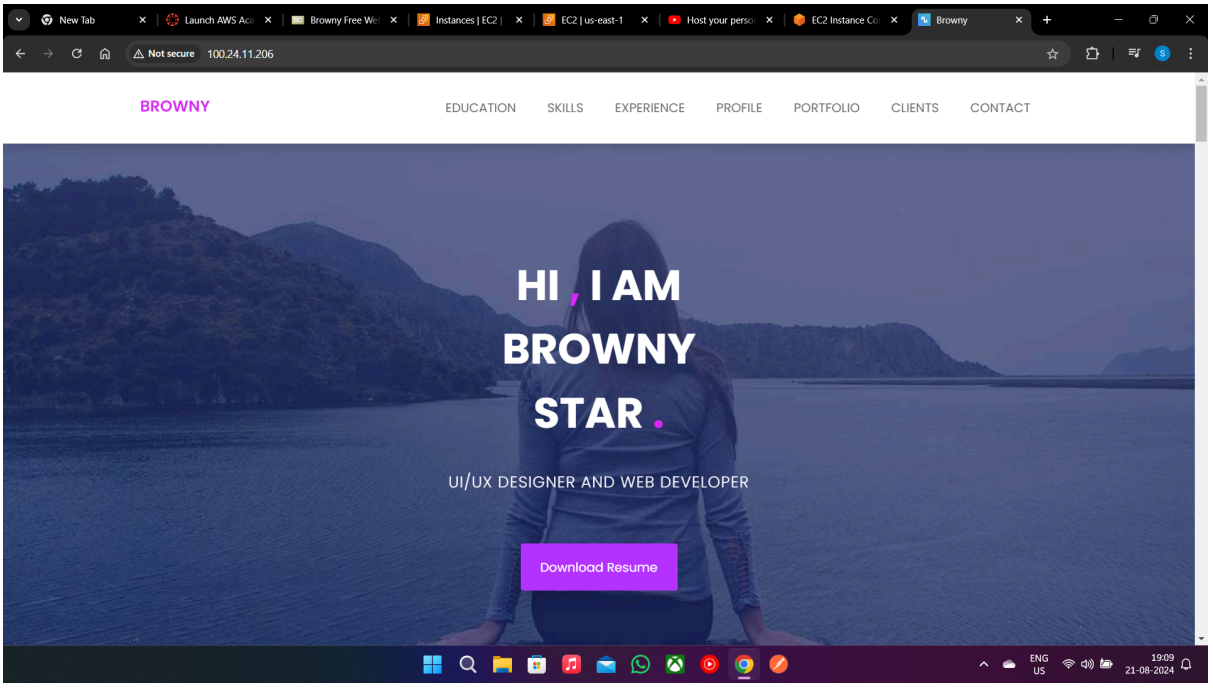
21-08-2024

Give it Permission For HTTP And Https:



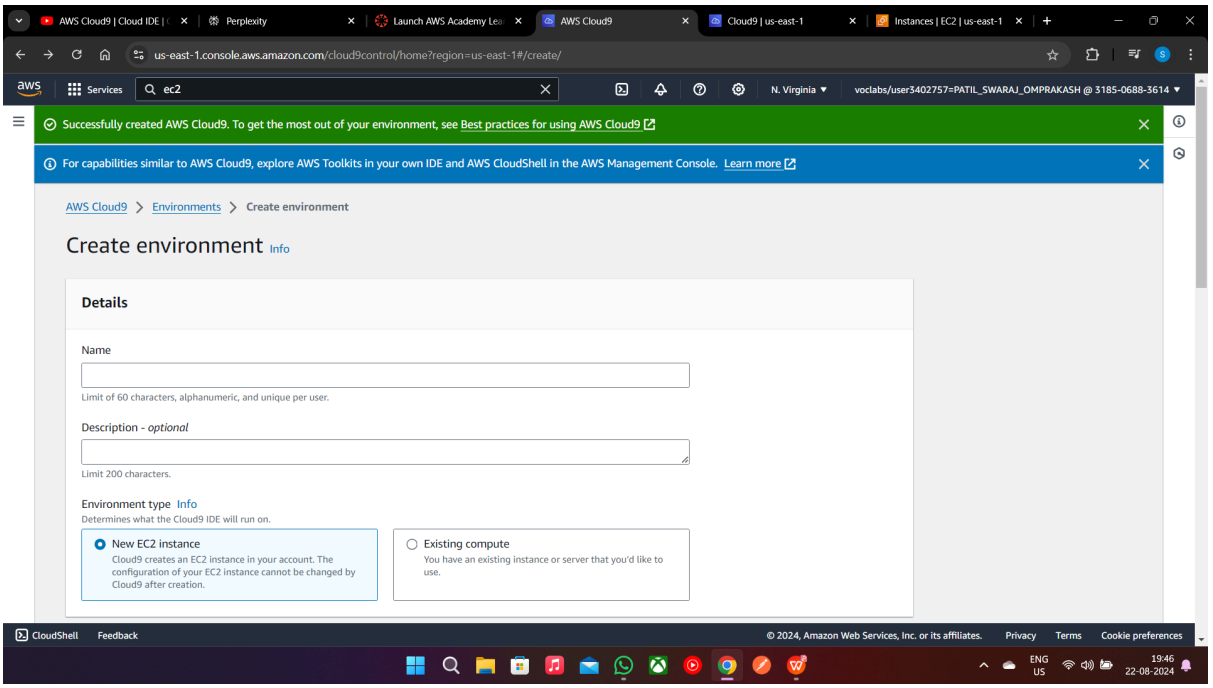


THE HOSTED WEBSITE:

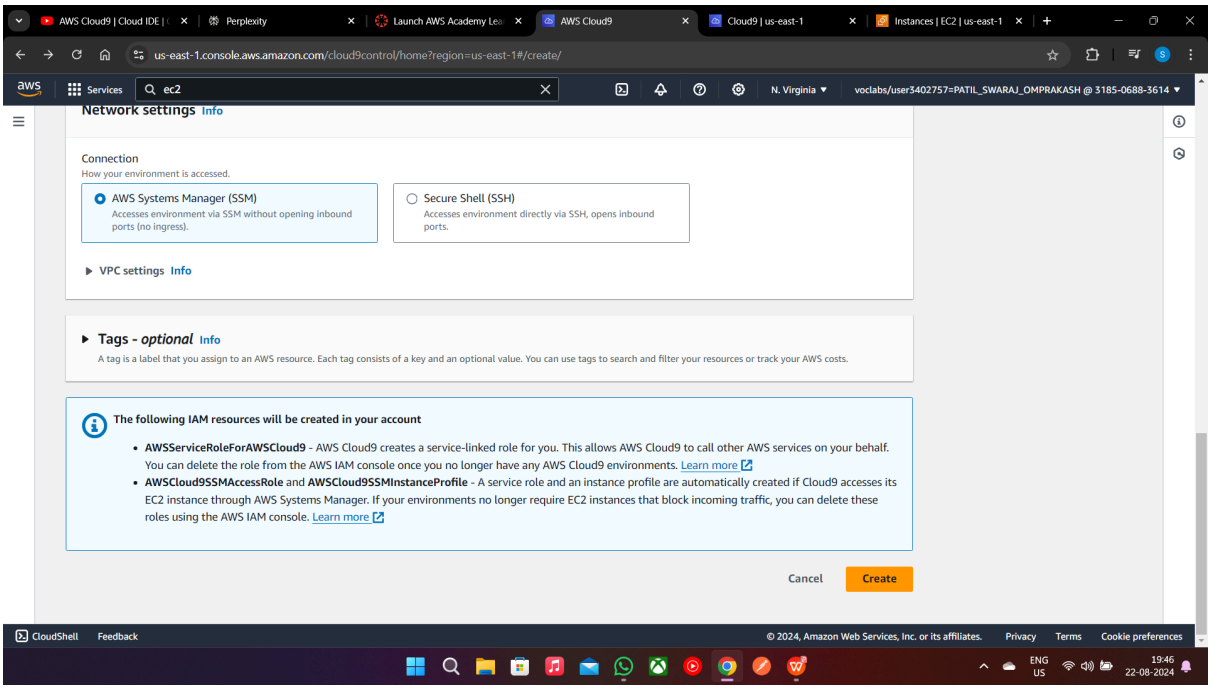


2) HOSTING THROUGH CLOUD9:

Step 1: CREATE A CLOUD9 ENVIRONMENT:



STEP 2:


us-east-1.console.aws.amazon.com/cloud9control/home?region=us-east-1#/create/
Services
ec2
N. Virginia
voclabs/user3402757=PATIL_SWARAJ_OMPRAKASH @ 3185-0688-3614
Network settings Info
Connection
How your environment is accessed.
AWS Systems Manager (SSM)
Accesses environment via SSM without opening inbound ports (no ingress).
Secure Shell (SSH)
Accesses environment directly via SSH, opens inbound ports.
VPC settings Info
Tags - optional Info
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
The following IAM resources will be created in your account
AWSServiceRoleForAWSCloud9 - AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. Learn more
AWSCloud9SSMAccessRole and AWSCloud9SSMInstanceProfile - A service role and an instance profile are automatically created if Cloud9 accesses its EC2 instance through AWS Systems Manager. If your environments no longer require EC2 instances that block incoming traffic, you can delete these roles using the AWS IAM console. Learn more
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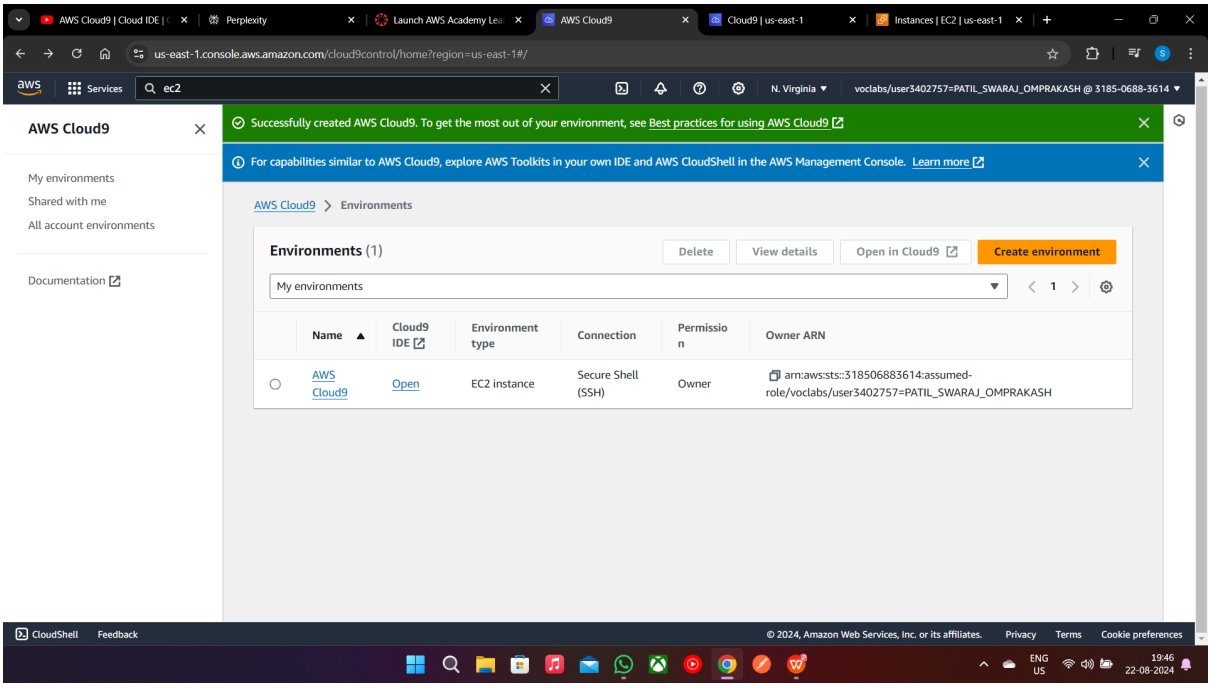
us-east-1.console.aws.amazon.com/cloud9control/home?region=us-east-1#/
AWS Cloud9
My environments
Shared with me
All account environments
Documentation
Successfully created AWS Cloud9. To get the most out of your environment, see Best practices for using AWS Cloud9
For capabilities similar to AWS Cloud9, explore AWS Toolkits in your own IDE and AWS CloudShell in the AWS Management Console. Learn more
AWS Cloud9 > Environments
Environments (1)
Delete
View details
Open in Cloud9
Create environment
My environments
Name
Cloud9 IDE
Environment type
Connection
Permissio n
Owner ARN
AWS Cloud9
Open
EC2 instance
Secure Shell (SSH)
Owner
arn:aws:sts::318506883614:assumed-role/voclabs/user3402757=PATIL_SWARAJ_OMPRAKASH
CloudShell
Feedback
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STEP 3: OPEN IN THE CLOUD9 IDE: