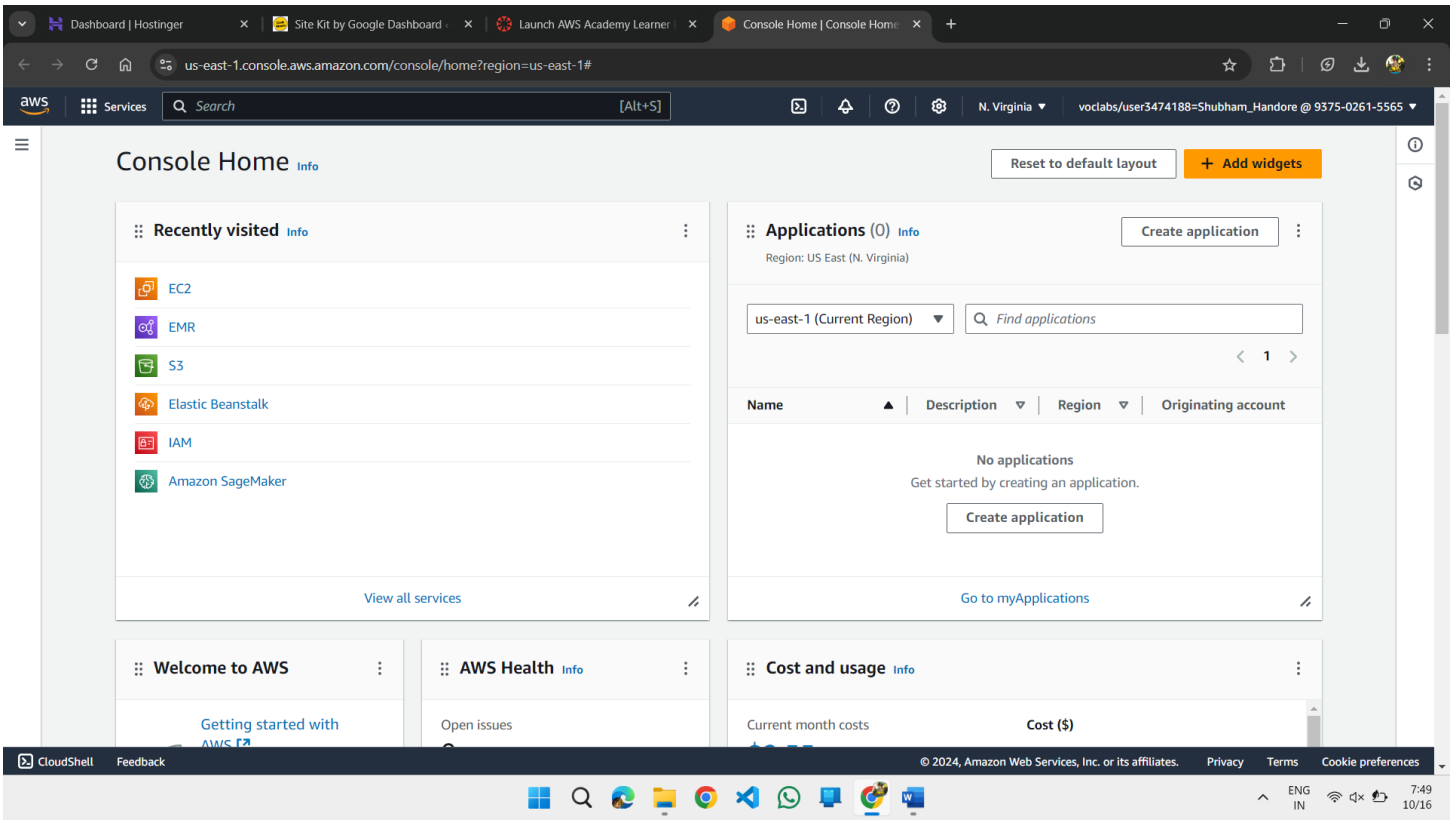
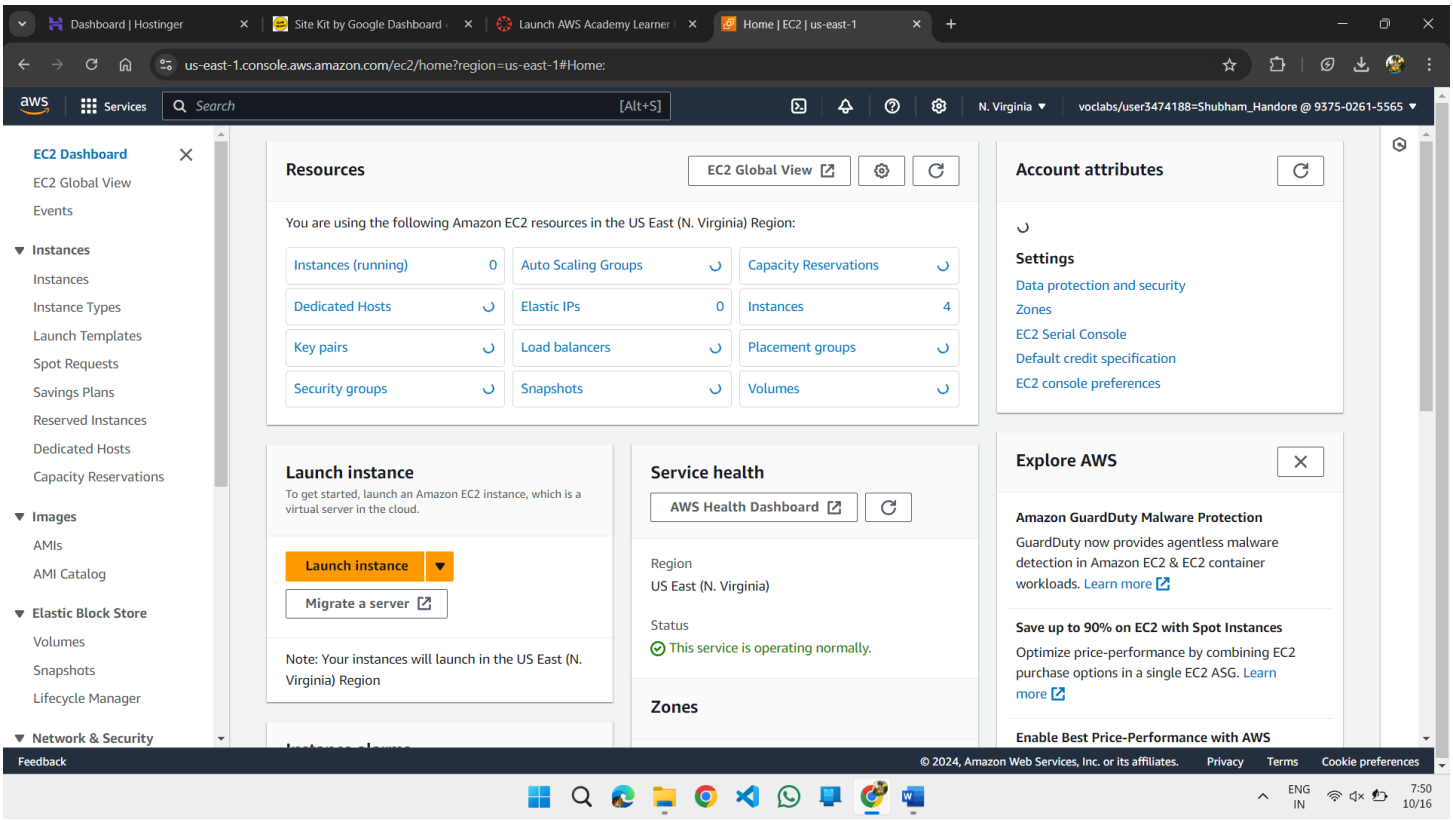
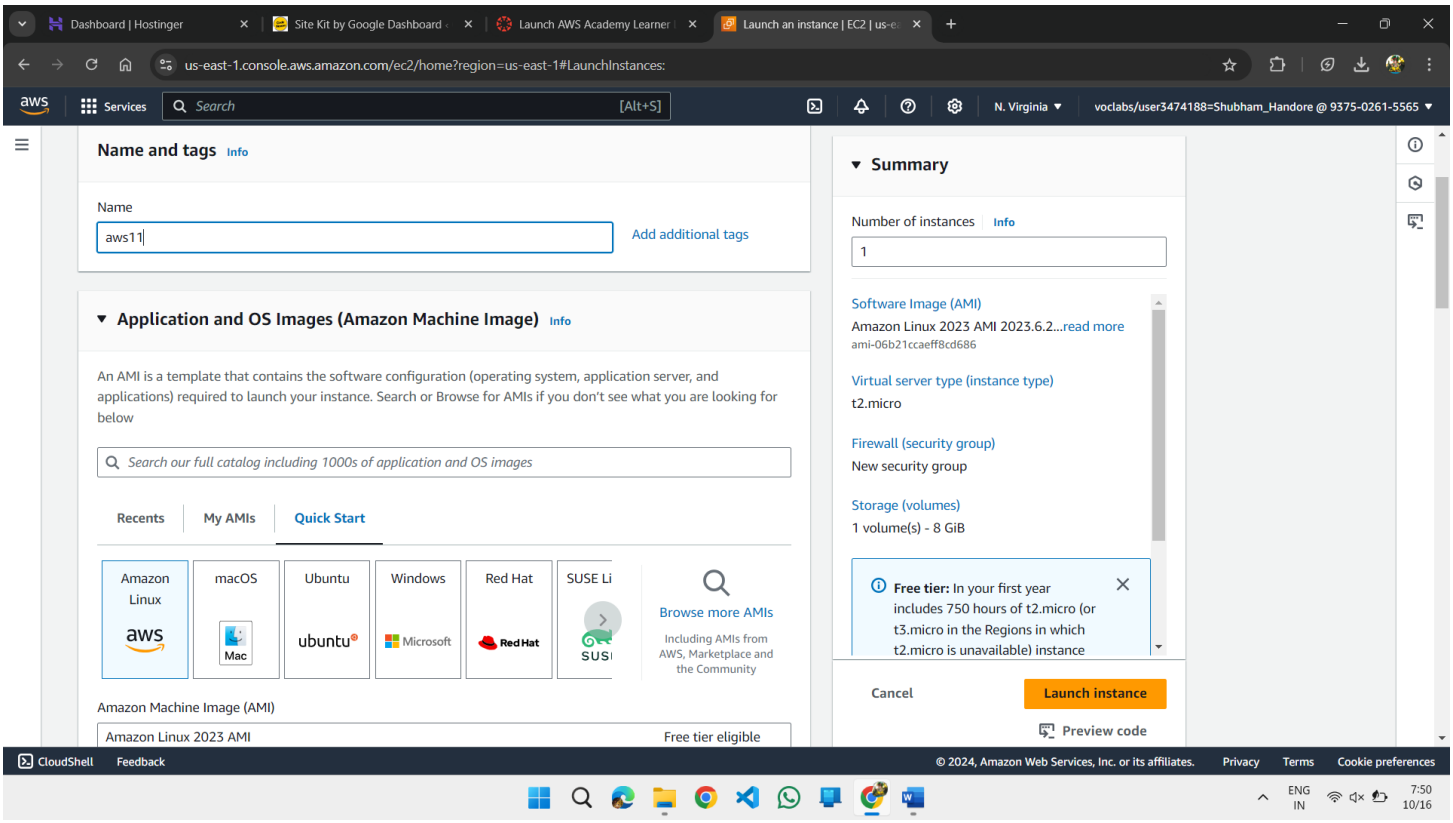
Cloud Computing Assignment 11

Write a program for web feed






Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Launch an instance | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Name and tags Info
Name
aws11
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
Recents
My AMIs
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
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-06b21ccaeff8cd686
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
Preview code
CloudShell
Feedback
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Terms
Cookie preferences
ENG
IN
7:50
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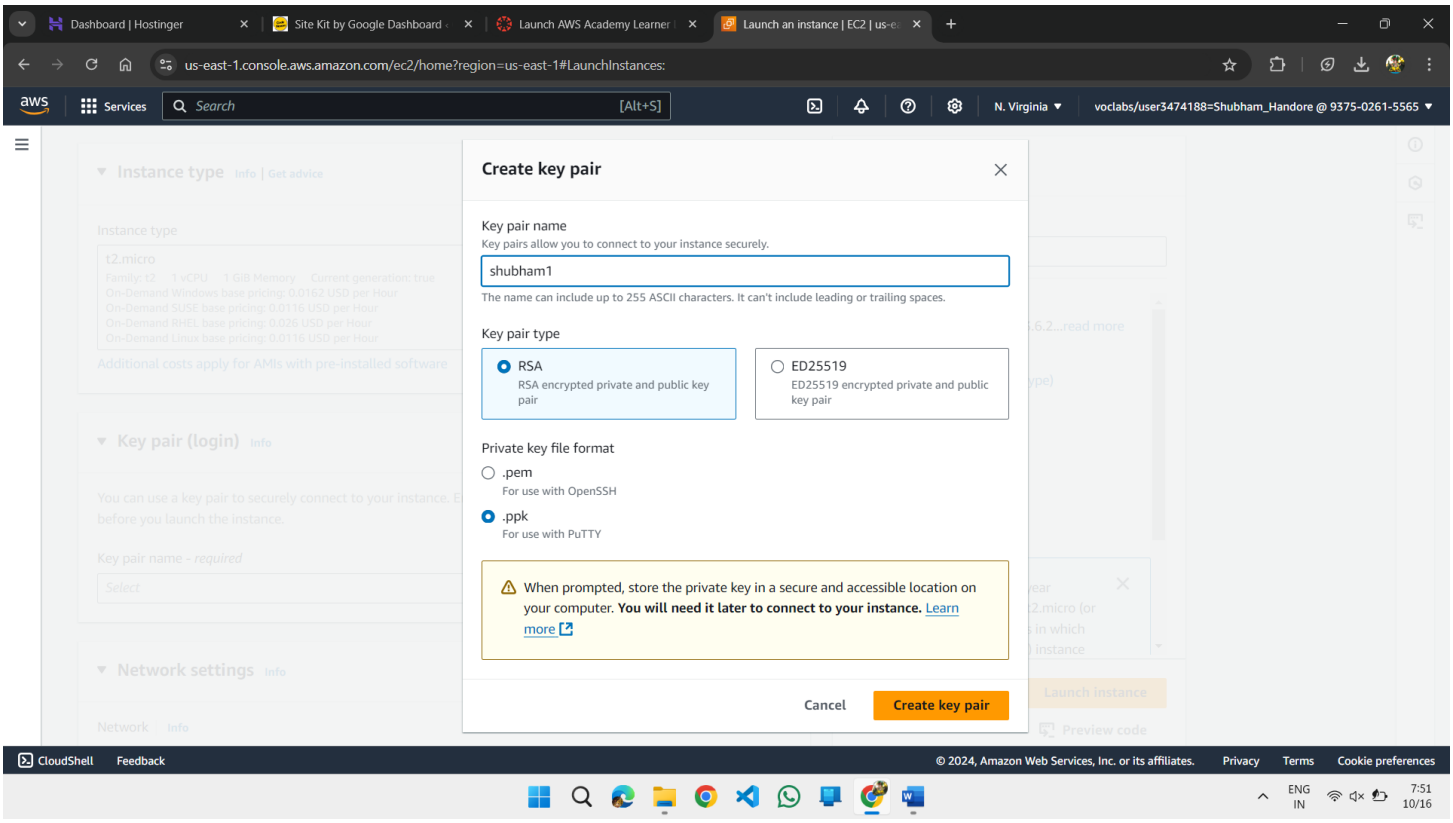
Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Launch an instance | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Create key pair
Key pair name
Key pairs allow you to connect to your instance securely.
shubham1
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.
Key pair type
RSA
RSA encrypted private and public key pair
ED25519
ED25519 encrypted private and public key pair
Private key file format
.pem
For use with OpenSSH
.ppk
For use with PuTTY
When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more
Cancel
Create key pair
CloudShell
Feedback
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Cookie preferences
ENG
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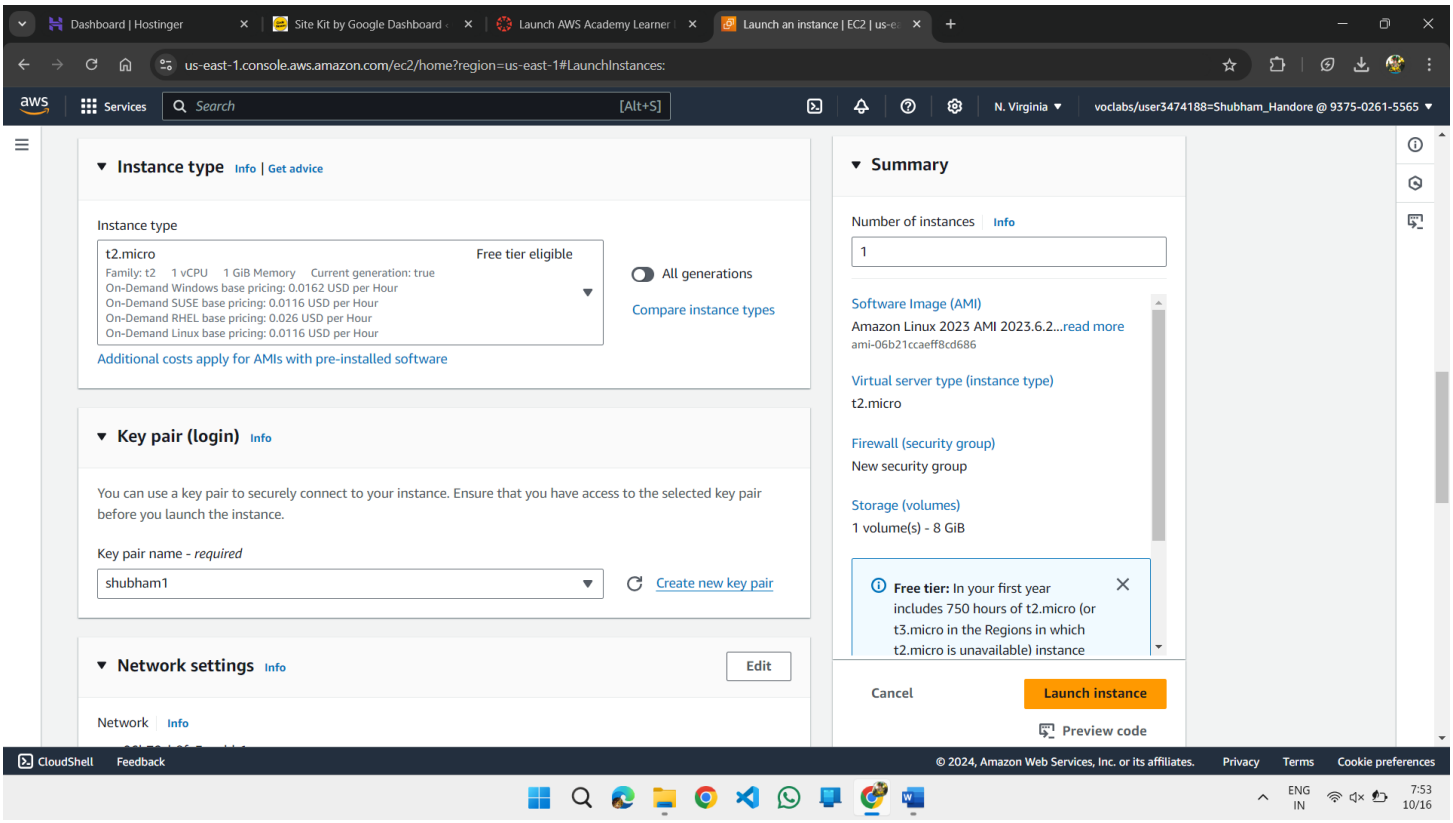
Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Launch an instance | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
Instance type Info | Get advice
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
shubham1
Create new key pair
Network settings Info
Edit
Network Info
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-06b21ccaeff8cd686
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
Preview code
CloudShell
Feedback
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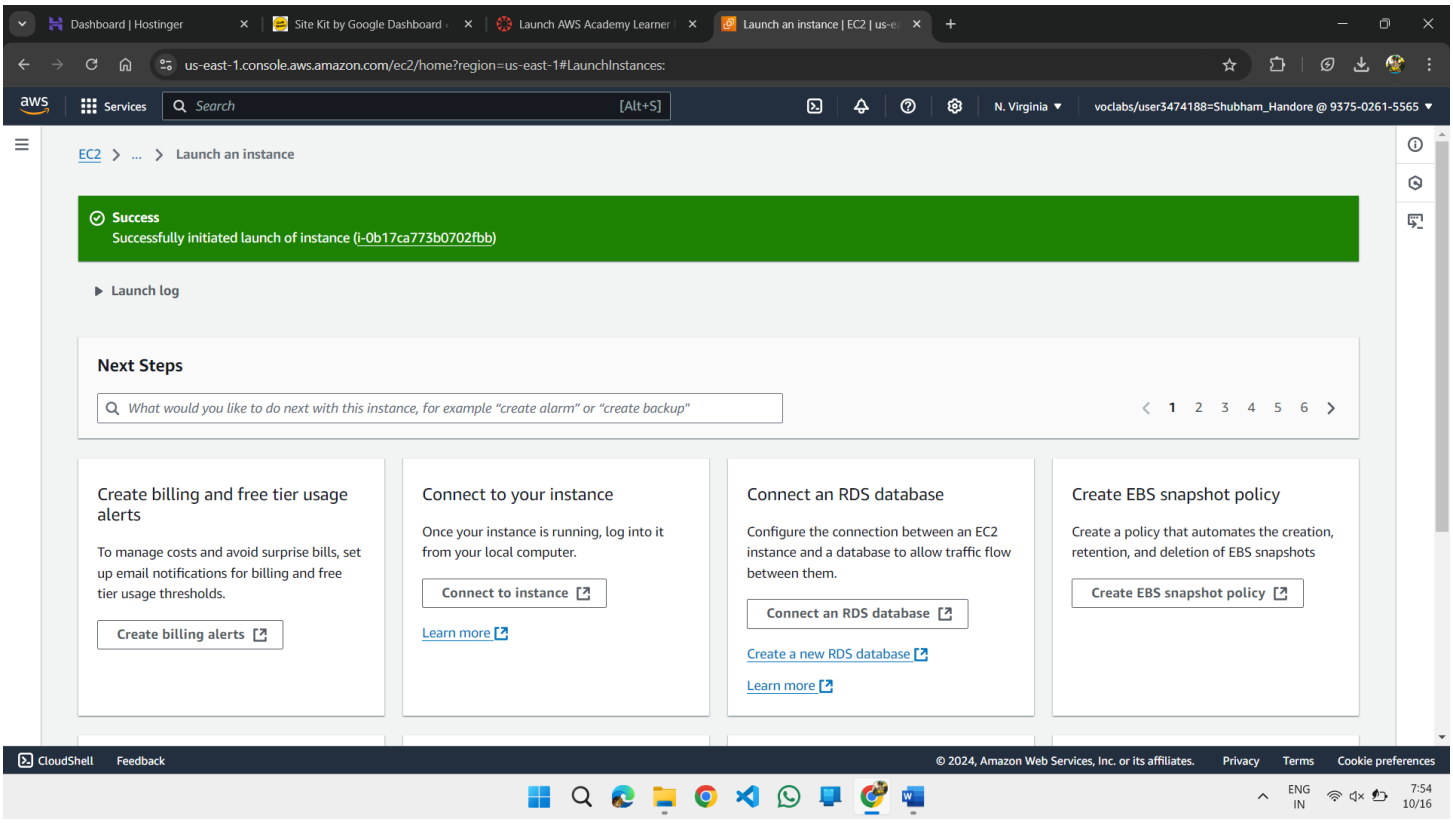
Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Launch an instance | EC2 | us-e
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
EC2 > ... > Launch an instance
Success
Successfully initiated launch of instance (i-0b17ca773b0702fbb)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
CloudShell
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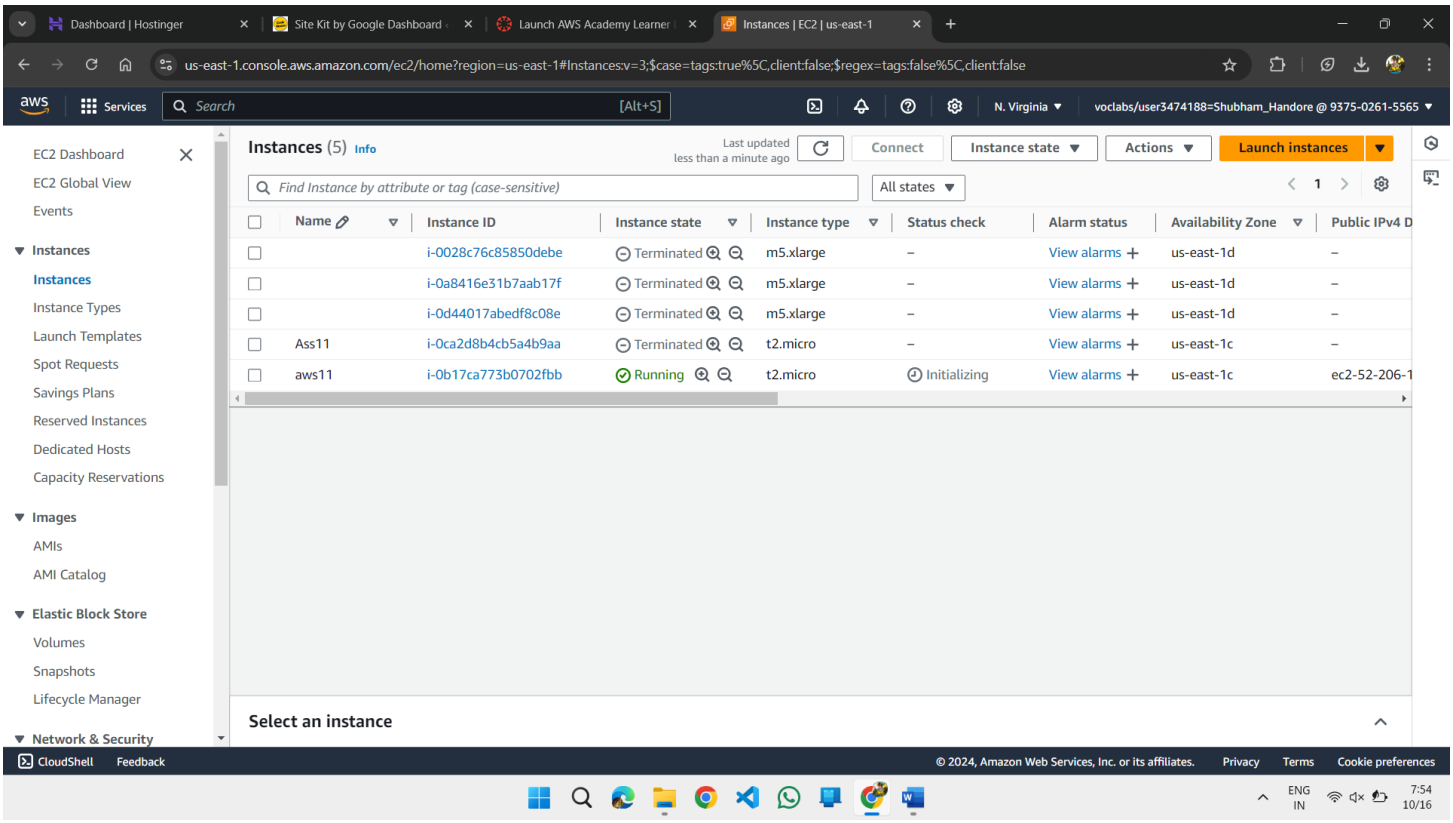
Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Instances | EC2 | us-east-1
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
EC2 Dashboard
EC2 Global View
Events
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Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Instances (5) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 D
i-0028c76c85850debe Terminated m5.xlarge – View alarms us-east-1d –
i-0a8416e31b7aab17f Terminated m5.xlarge – View alarms us-east-1d –
i-0d44017abedf8c08e Terminated m5.xlarge – View alarms us-east-1d –
Ass11 i-0ca2d8b4cb5a4b9aa Terminated t2.micro – View alarms us-east-1c –
aws11 i-0b17ca773b0702fbb Running t2.micro Initializing View alarms us-east-1c ec2-52-206-1
Select an instance
CloudShell
Feedback
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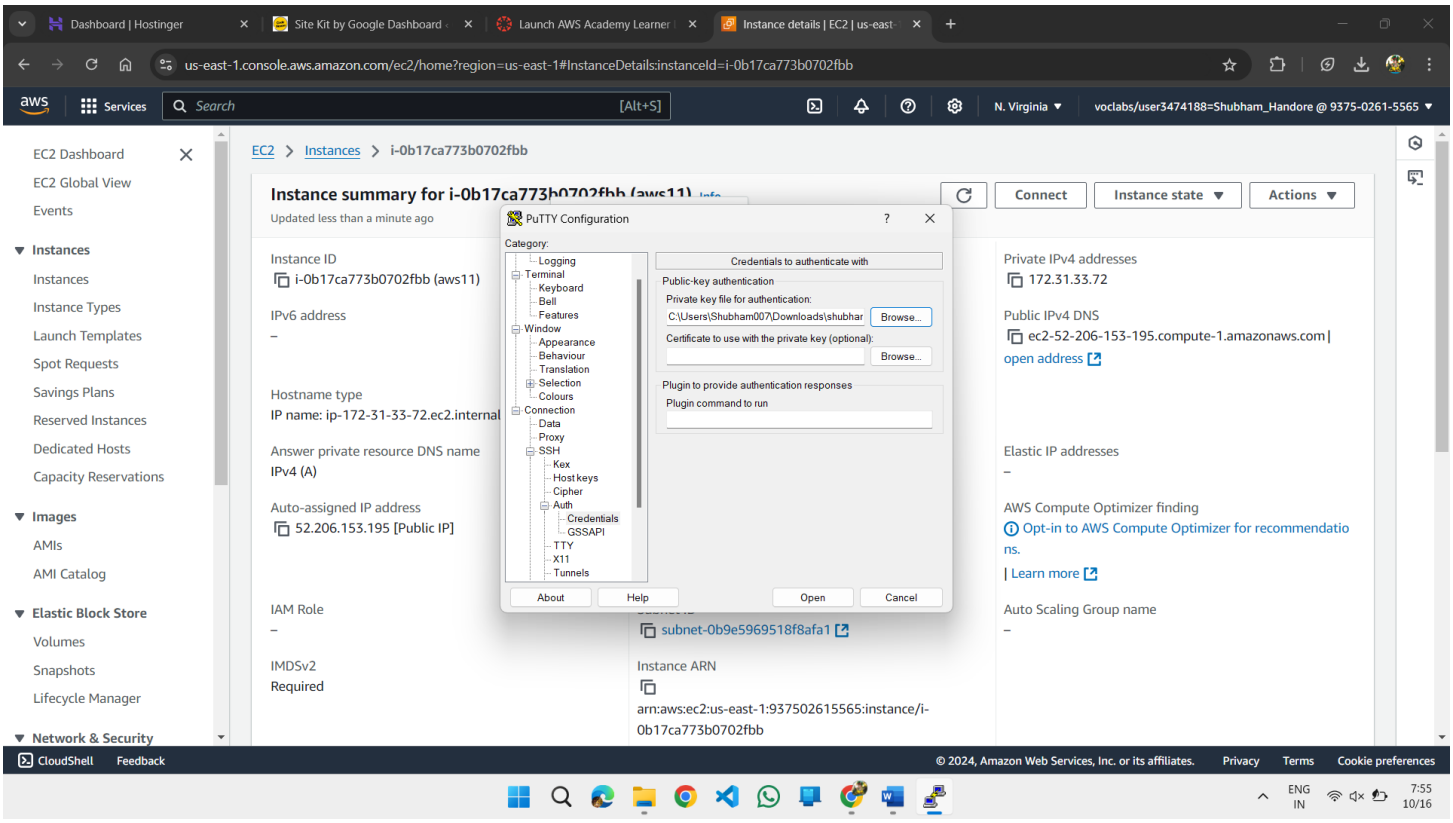
ENG IN
7:54 10/16


Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Instance details | EC2 | us-east-
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0b17ca773b0702fbb
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
EC2 Dashboard
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Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
EC2 > Instances > i-0b17ca773b0702fbb
Instance summary for i-0b17ca773b0702fbb (aws11)
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-0b17ca773b0702fbb (aws11)
IPv6 address
–
Hostname type
IP name: ip-172-31-33-72.ec2.internal
Answer private resource DNS name
IPv4 (A)
Auto-assigned IP address
52.206.153.195 [Public IP]
IAM Role
–
IMDSv2
Required
Private IPv4 addresses
172.31.33.72
Public IPv4 DNS
ec2-52-206-153-195.compute-1.amazonaws.com | open address
Elastic IP addresses
–
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
Auto Scaling Group name
–
subnet-0b9e5969518f8afa1
Instance ARN
arn:aws:ec2:us-east-1:937502615565:instance/i-0b17ca773b0702fbb
PuTTY Configuration
Category:
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
SSH
Kex
Host keys
Cipher
Auth
Credentials
GSSAPI
TTY
X11
Tunnels
Credentials to authenticate with
Public-key authentication
Private key file for authentication:
C:\Users\Shubham007\Downloads\shubhar
Browse...
Certificate to use with the private key (optional):
Browse...
Plugin to provide authentication responses
Plugin command to run
About
Help
Open
Cancel
CloudShell
Feedback
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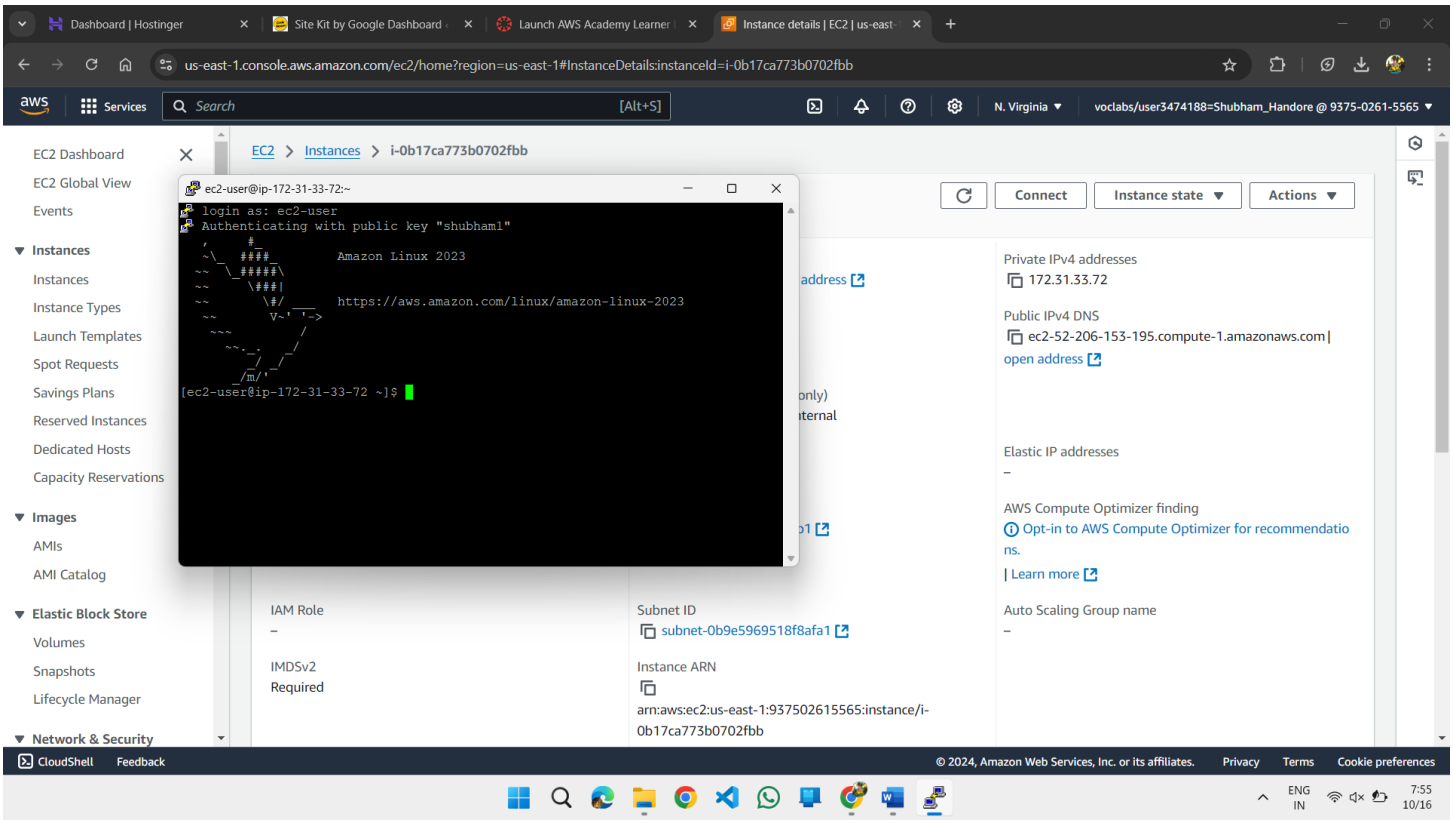
Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Instance details | EC2 | us-east-
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0b17ca773b0702fbb
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
EC2 Dashboard
EC2 Global View
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Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
EC2 > Instances > i-0b17ca773b0702fbb
Connect
Instance state
Actions
ec2-user@ip-172-31-33-72:~
login as: ec2-user
Authenticating with public key "shubham1"
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-33-72 ~]$
Private IPv4 addresses
172.31.33.72
Public IPv4 DNS
ec2-52-206-153-195.compute-1.amazonaws.com |
open address
Elastic IP addresses
–
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.
| Learn more
IAM Role
–
Subnet ID
subnet-0b9e5969518f8afa1
Auto Scaling Group name
–
IMDSv2
Required
Instance ARN
arn:aws:ec2:us-east-1:937502615565:instance/i-0b17ca773b0702fbb
CloudShell
Feedback
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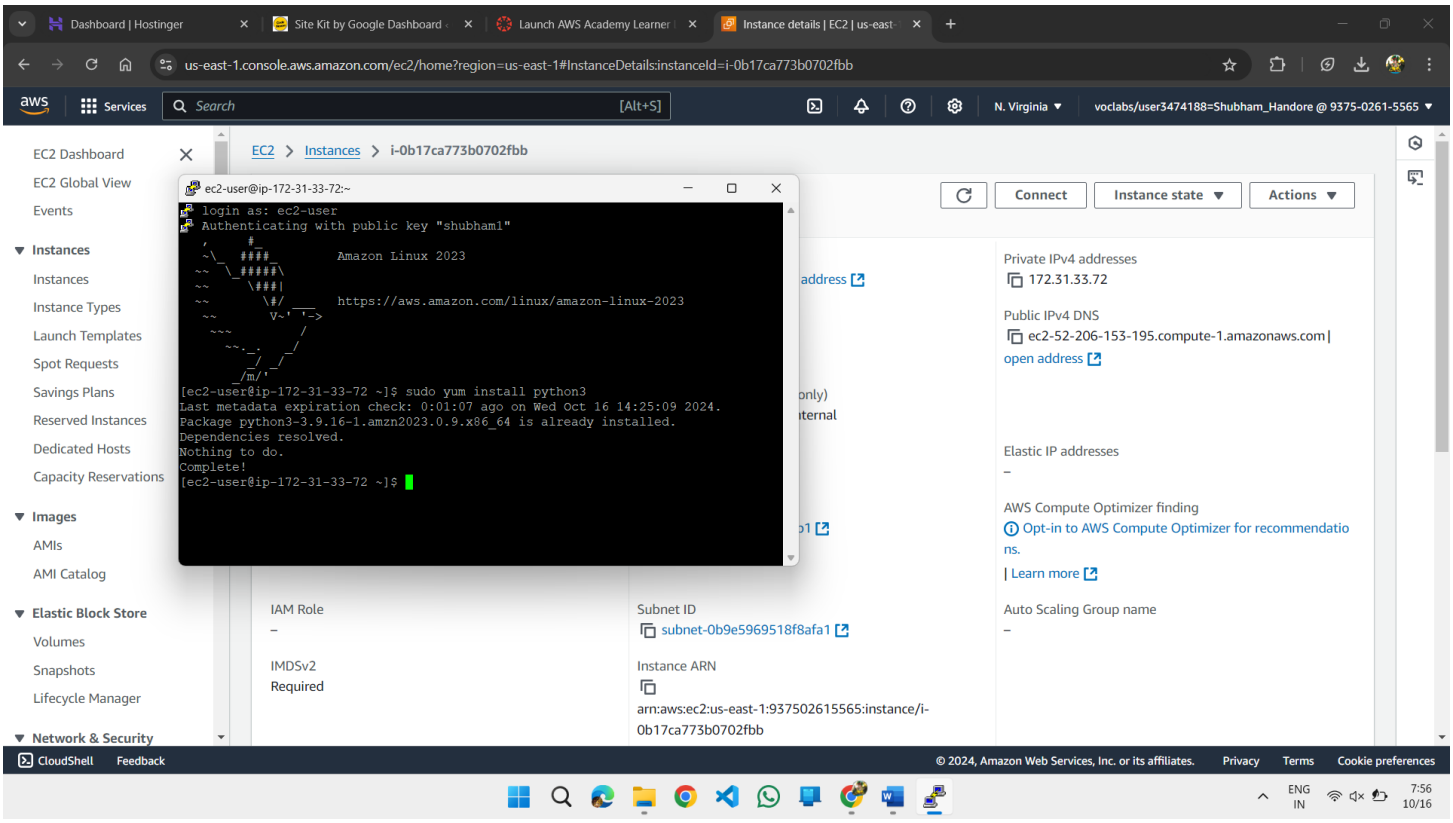
Dashboard | Hostinger
Site Kit by Google Dashboard
Launch AWS Academy Learner
Instance details | EC2 | us-east-
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0b17ca773b0702fbb
Services
Search
[Alt+S]
N. Virginia
voclabs/user3474188=Shubham_Handore @ 9375-0261-5565
EC2 Dashboard
EC2 Global View
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Instances
Instances
Instance Types
Launch Templates
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Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
EC2 > Instances > i-0b17ca773b0702fbb
Connect
Instance state
Actions
ec2-user@ip-172-31-33-72:~
login as: ec2-user
Authenticating with public key "shubham1"
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-33-72 ~]$ sudo yum install python3
Last metadata expiration check: 0:01:07 ago on Wed Oct 16 14:25:09 2024.
Package python3-3.9.16-1.amzn2023.0.9.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-33-72 ~]$
Private IPv4 addresses
172.31.33.72
Public IPv4 DNS
ec2-52-206-153-195.compute-1.amazonaws.com |
open address
Elastic IP addresses
–
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.
| Learn more
IAM Role
–
Subnet ID
subnet-0b9e5969518f8afa1
Auto Scaling Group name
–
IMDSv2
Required
Instance ARN
arn:aws:ec2:us-east-1:937502615565:instance/i-0b17ca773b0702fbb
CloudShell
Feedback
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IN
7:56
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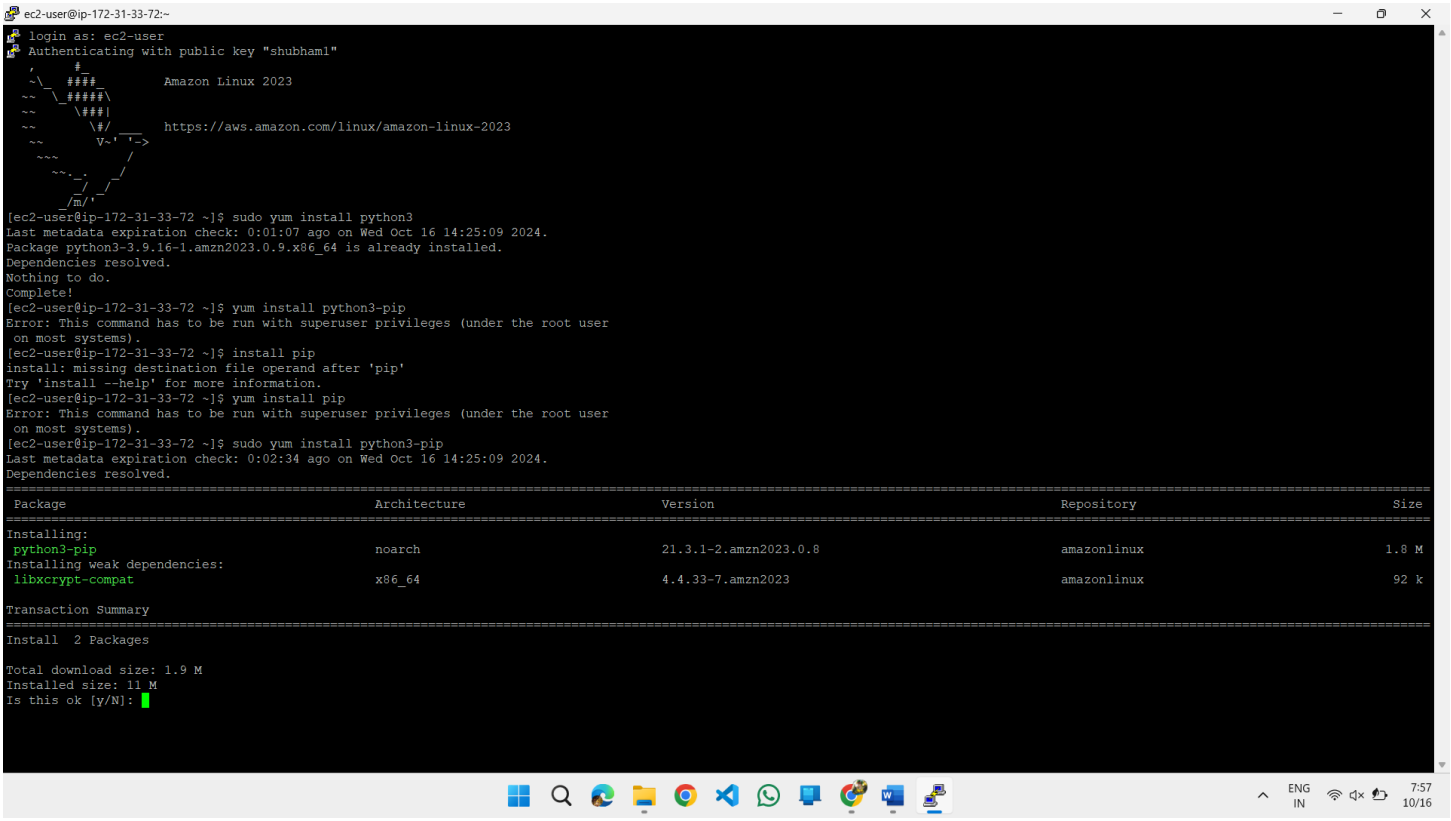
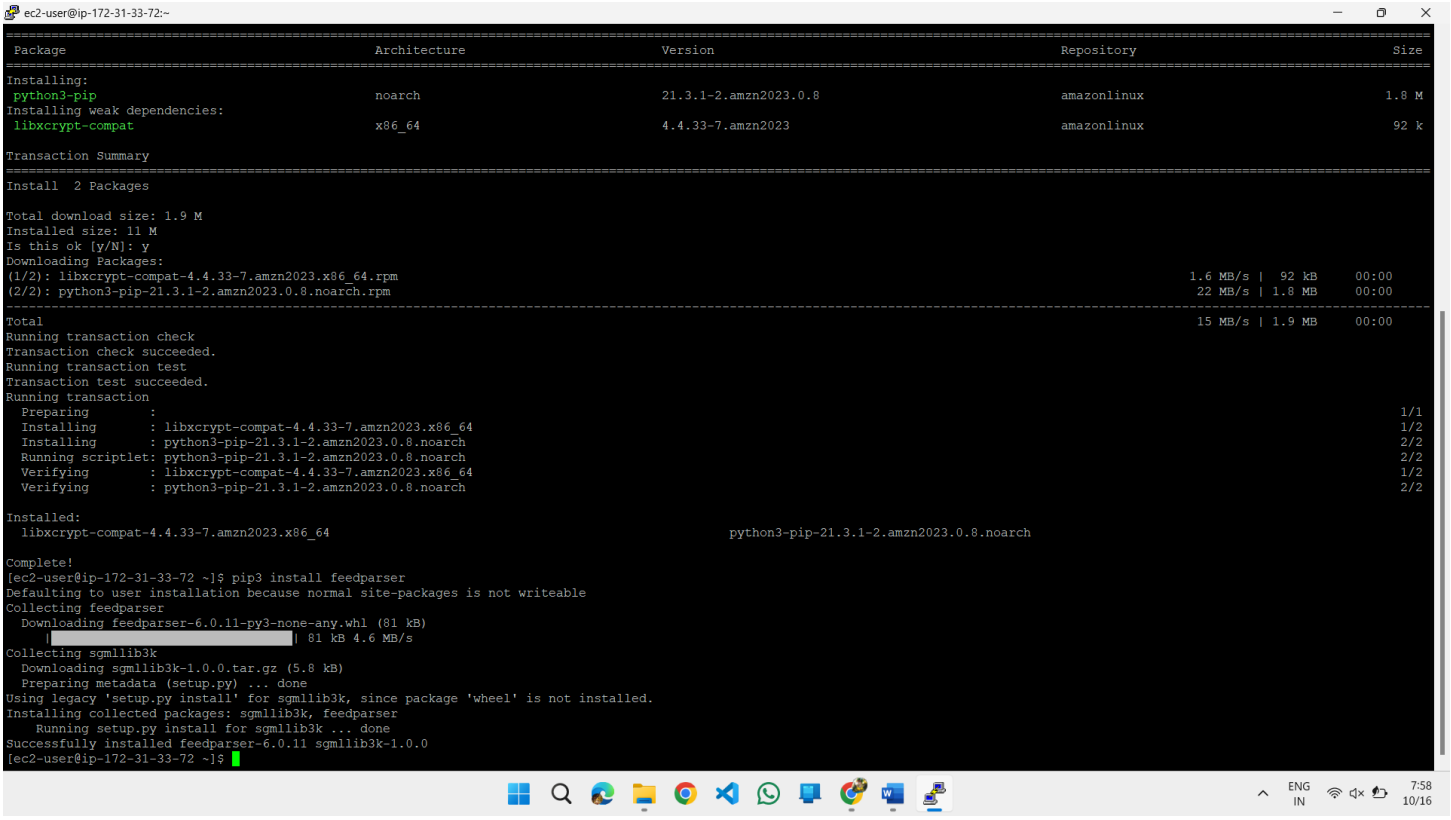

ec2-user@ip-172-31-33-72:~
login as: ec2-user
Authenticating with public key "shubham1"
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-33-72 ~]$ sudo yum install python3
Last metadata expiration check: 0:01:07 ago on Wed Oct 16 14:25:09 2024.
Package python3-3.9.16-1.amzn2023.0.9.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-33-72 ~]$ yum install python3-pip
Error: This command has to be run with superuser privileges (under the root user
on most systems).
[ec2-user@ip-172-31-33-72 ~]$ install pip
install: missing destination file operand after 'pip'
Try 'install --help' for more information.
[ec2-user@ip-172-31-33-72 ~]$ yum install pip
Error: This command has to be run with superuser privileges (under the root user
on most systems).
[ec2-user@ip-172-31-33-72 ~]$ sudo yum install python3-pip
Last metadata expiration check: 0:02:34 ago on Wed Oct 16 14:25:09 2024.
Dependencies resolved.
Package Architecture Version Repository Size
Installing:
python3-pip noarch 21.3.1-2.amzn2023.0.8 amazonlinux 1.8 M
Installing weak dependencies:
libxcrypt-compat x86_64 4.4.33-7.amzn2023 amazonlinux 92 k
Transaction Summary
Install 2 Packages
Total download size: 1.9 M
Installed size: 11 M
Is this ok [y/N]:
ENG
IN
7:57
10/16


ec2-user@ip-172-31-33-72:~
Package Architecture Version Repository Size
Installing:
python3-pip noarch 21.3.1-2.amzn2023.0.8 amazonlinux 1.8 M
Installing weak dependencies:
libxcrypt-compat x86_64 4.4.33-7.amzn2023 amazonlinux 92 k
Transaction Summary
Install 2 Packages
Total download size: 1.9 M
Installed size: 11 M
Is this ok [y/N]: y
Downloading Packages:
(1/2): libxcrypt-compat-4.4.33-7.amzn2023.x86_64.rpm 1.6 MB/s | 92 kB 00:00
(2/2): python3-pip-21.3.1-2.amzn2023.0.8.noarch.rpm 22 MB/s | 1.8 MB 00:00
Total 15 MB/s | 1.9 MB 00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing :
Installing : libxcrypt-compat-4.4.33-7.amzn2023.x86_64
Installing : python3-pip-21.3.1-2.amzn2023.0.8.noarch
Running scriptlet: python3-pip-21.3.1-2.amzn2023.0.8.noarch
Verifying : libxcrypt-compat-4.4.33-7.amzn2023.x86_64
Verifying : python3-pip-21.3.1-2.amzn2023.0.8.noarch
Installed:
libxcrypt-compat-4.4.33-7.amzn2023.x86_64 python3-pip-21.3.1-2.amzn2023.0.8.noarch
Complete!
[ec2-user@ip-172-31-33-72 ~]$ pip3 install feedparser
Defaulting to user installation because normal site-packages is not writeable
Collecting feedparser
Downloading feedparser-6.0.11-py3-none-any.whl (81 kB)
81 kB 4.6 MB/s
Collecting sgmllib3k
Downloading sgmllib3k-1.0.0.tar.gz (5.8 kB)
Preparing metadata (setup.py) ... done
Using legacy 'setup.py install' for sgmllib3k, since package 'wheel' is not installed.
Installing collected packages: sgmllib3k, feedparser
Running setup.py install for sgmllib3k ... done
Successfully installed feedparser-6.0.11 sgmllib3k-1.0.0
[ec2-user@ip-172-31-33-72 ~]$
ENG
IN
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ec2-user@ip-172-31-33-72:~

```
import feedparser
d = feedparser.parse('http://feeds.bcci.co.uk/news/world/css.xml')
print(d['feed']['title'])
print(d['feed']['link'])
print(d.feed.subtitle)
print(len(d['entries']))
```

```
-- INSERT --                                                
```