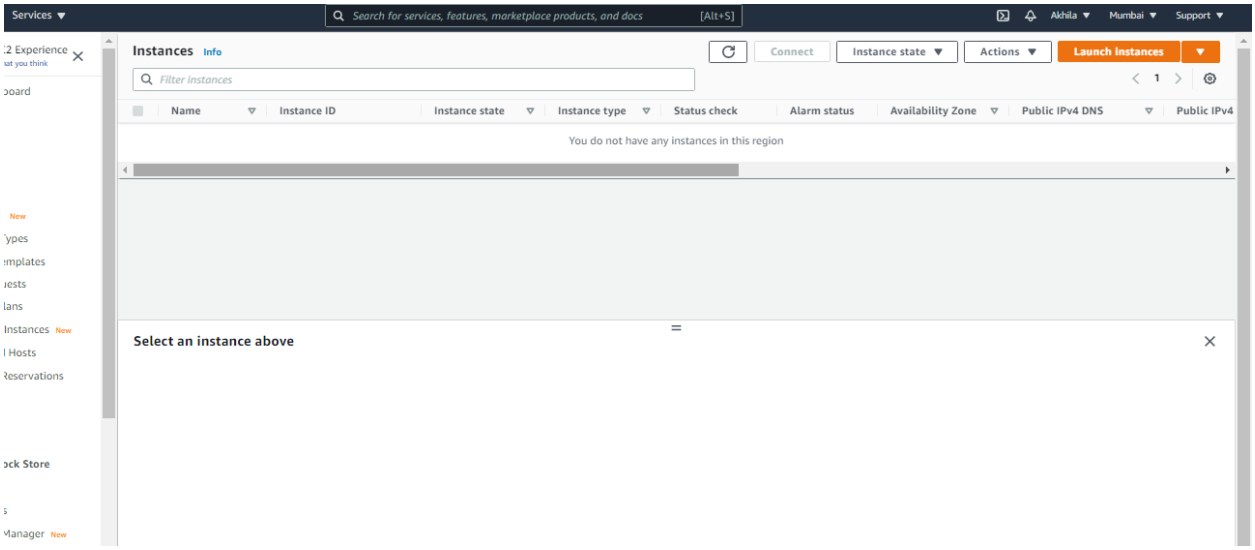
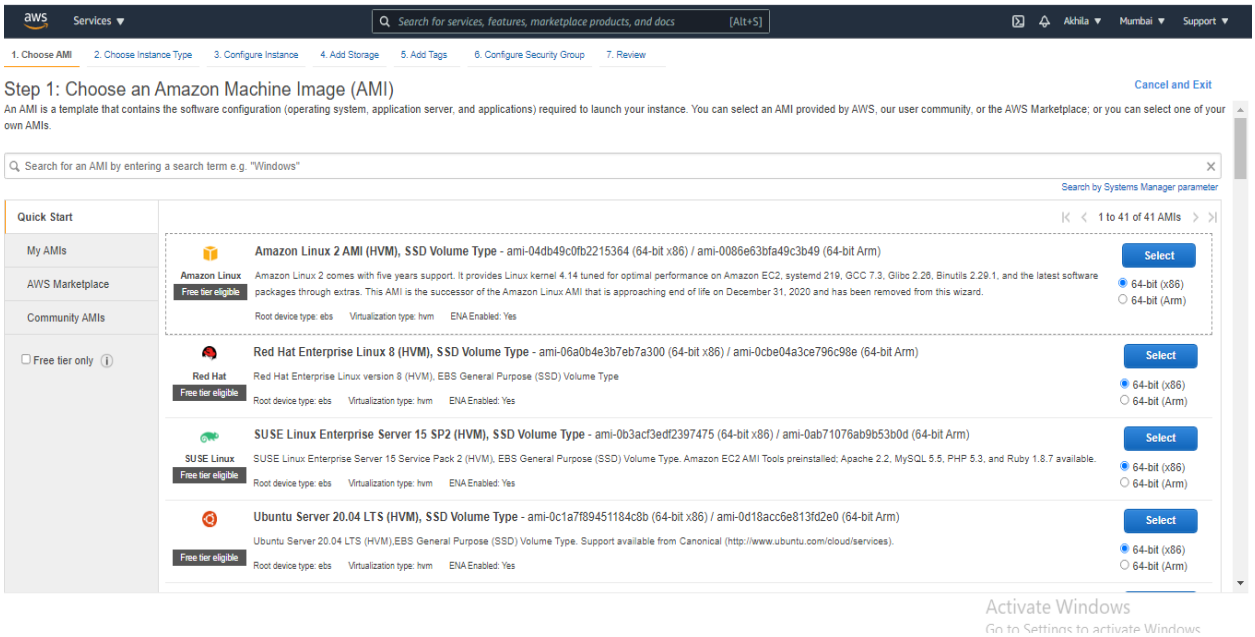
Assignment-2

Working with EC2

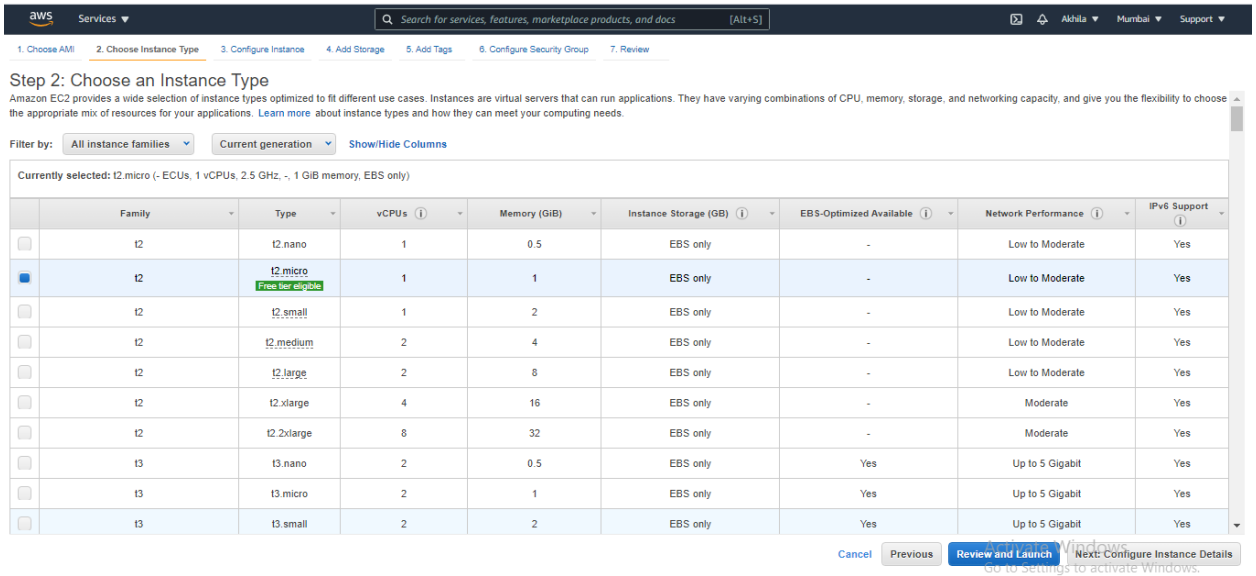
Creating an EC2 instance



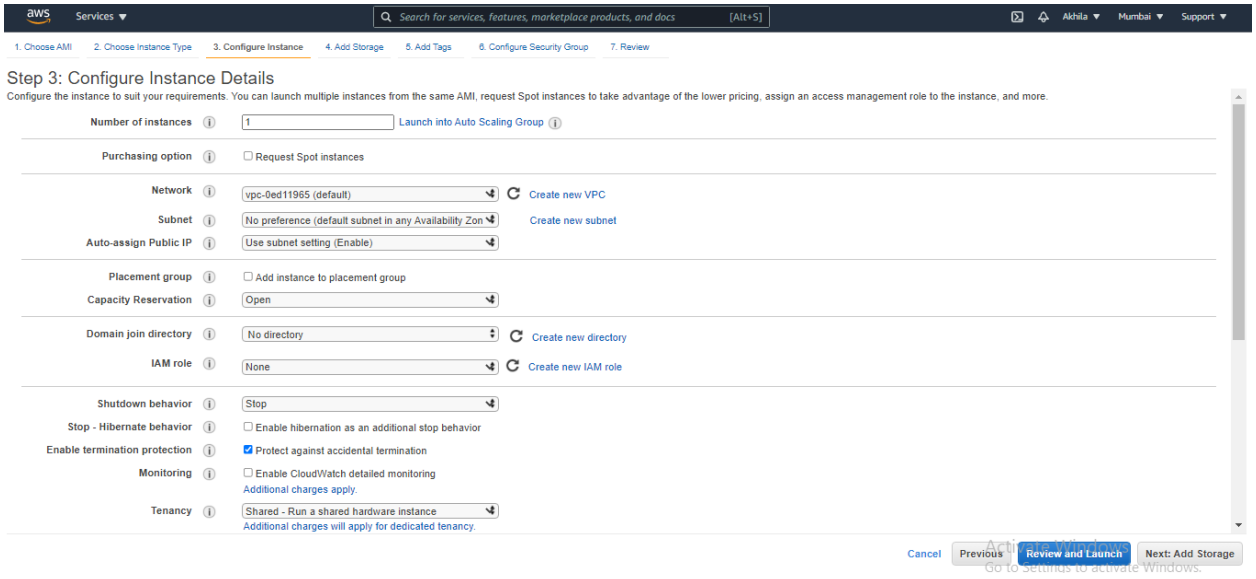
Step-1



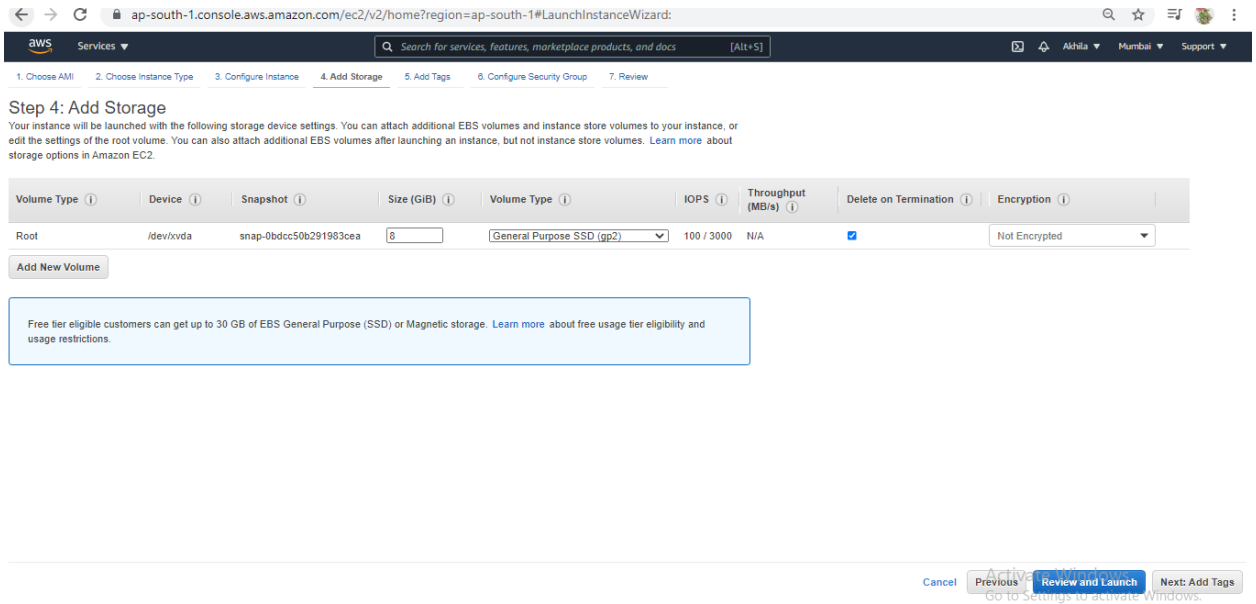
Step-2



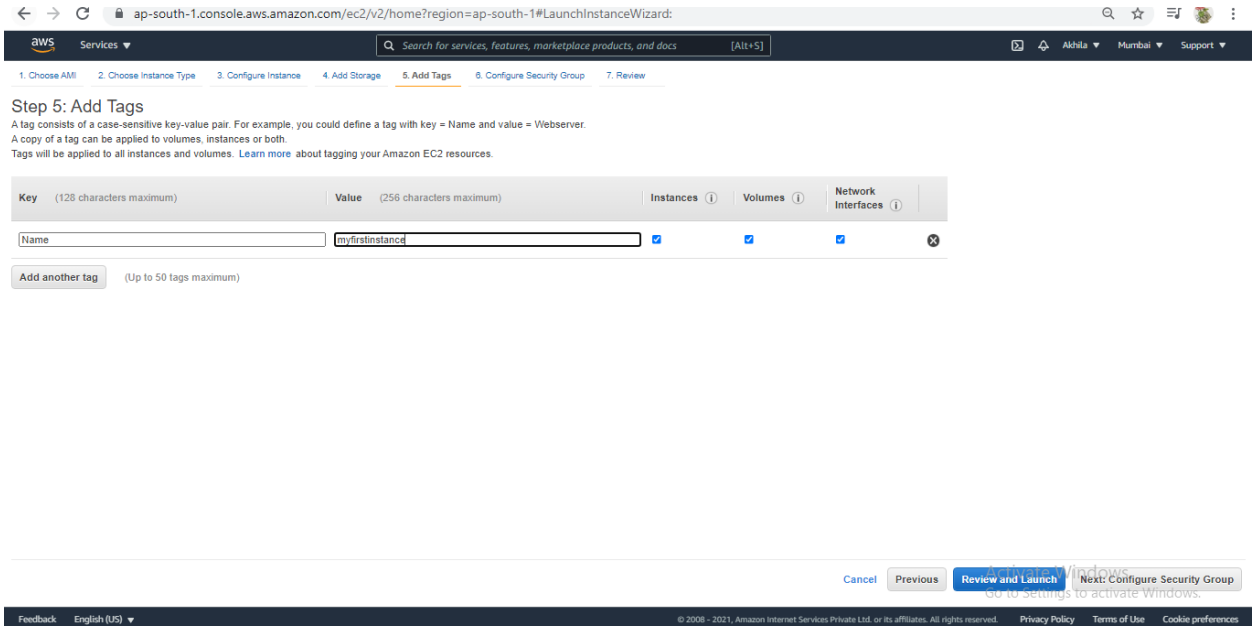
Step-3 Enabling Termination protection



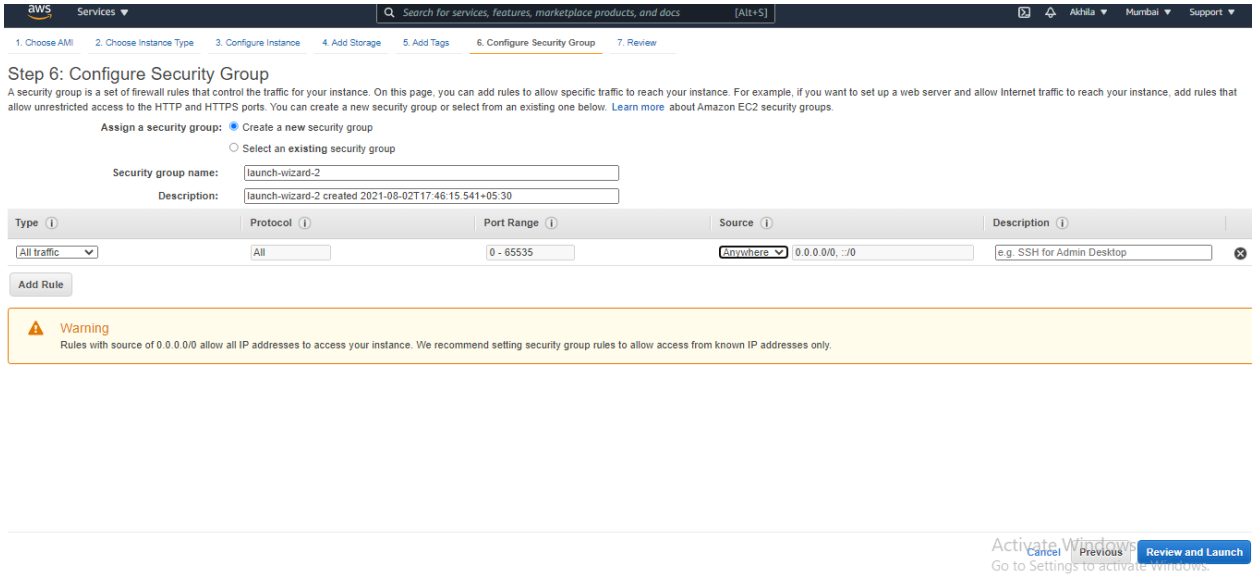
Step-4



Step-5 Added tag



Step-6


Services
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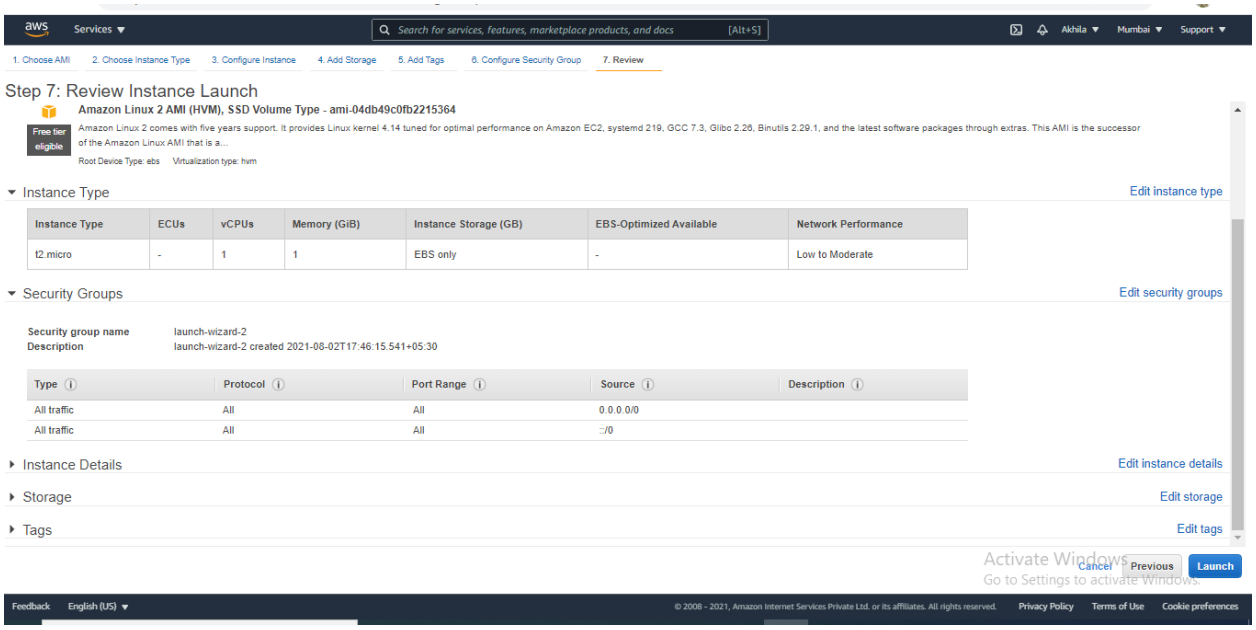
Akhila
Mumbai
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.
Assign a security group: Create a new security group
Select an existing security group
Security group name: launch-wizard-2
Description: launch-wizard-2 created 2021-08-02T17:46:15.541+05:30
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch
Activate Windows
Go to Settings to activate Windows.

Step-7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Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-04db49c0fb2215364
Free tier eligible
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is a...
Root Device Type: ebs Virtualization type: hvm
Instance Type
Edit instance type
Instance Type | ECUs | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance
t2.micro | - | 1 | 1 | EBS only | - | Low to Moderate
Security Groups
Edit security groups
Security group name launch-wizard-2
Description launch-wizard-2 created 2021-08-02T17:46:15.541+05:30
Type | Protocol | Port Range | Source | Description
All traffic | All | All | 0.0.0.0/0
All traffic | All | All | ::/0
Instance Details
Edit instance details
Storage
Edit storage
Tags
Edit tags
Cancel
Previous
Launch
Activate Windows
Go to Settings to activate Windows.
Feedback
English (US)
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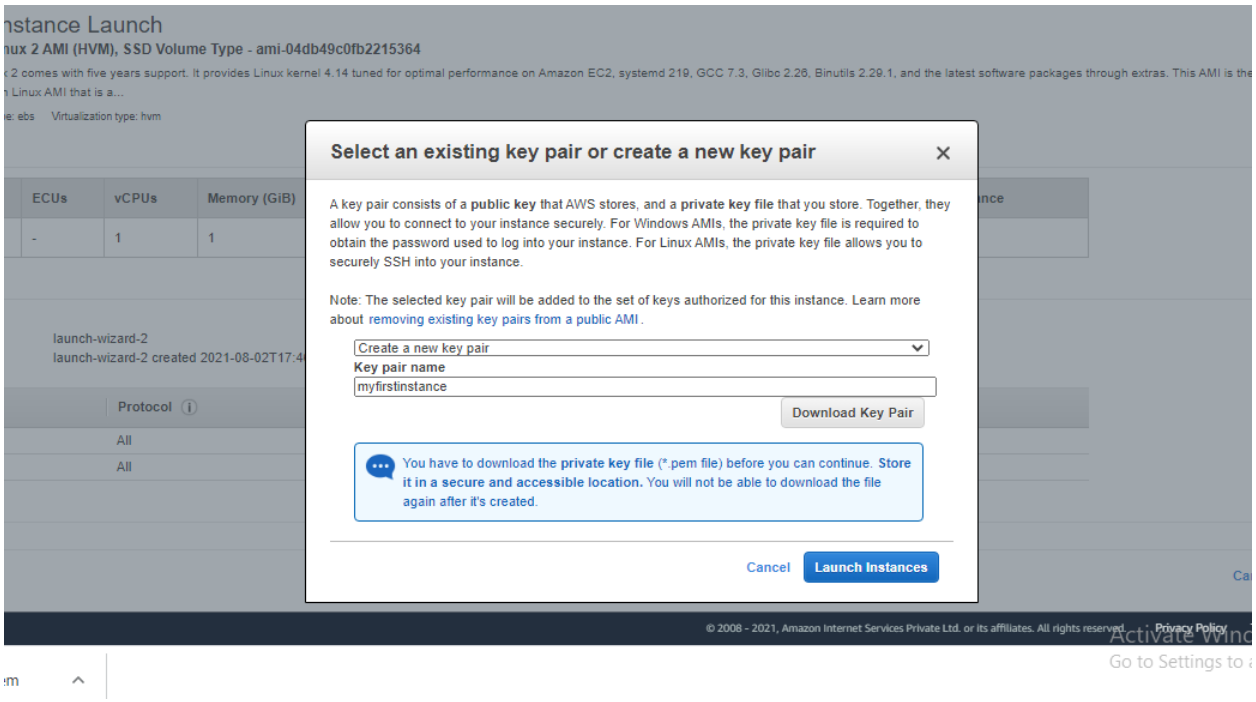
nstance Launch
nux 2 AMI (HVM), SSD Volume Type - ami-04db49c0fb2215364
2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the
Linux AMI that is a...
e: ebs Virtualization type: hvm
ECUs
vCPUs
Memory (GiB)
1
1
launch-wizard-2
launch-wizard-2 created 2021-08-02T17:4
Protocol
All
All
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair name
myfirstinstance
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
Cancel
Launch Instances
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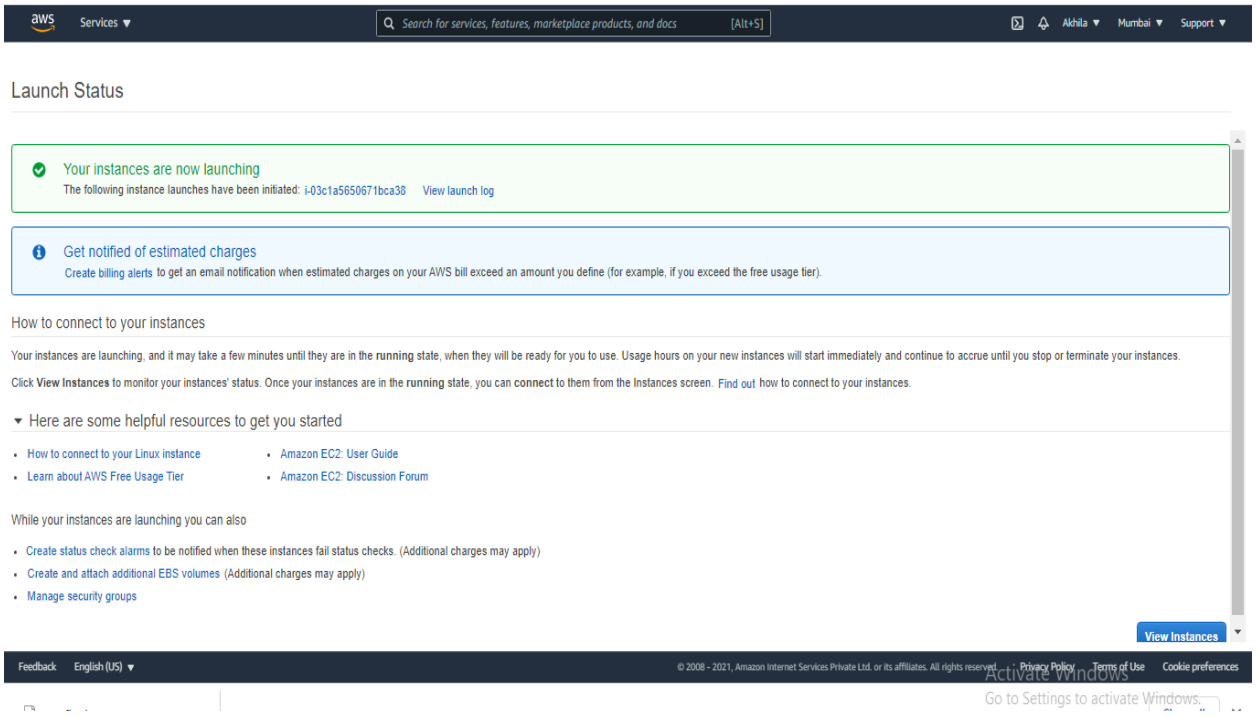
Activate Wind
Go to Settings to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Services
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Support
Launch Status
Your instances are now launching
The following instance launches have been initiated: i-03c1a5650671bca38 View launch log
Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).
How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the running state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click View Instances to monitor your instances' status. Once your instances are in the running state, you can connect to them from the Instances screen. Find out how to connect to your instances.
Here are some helpful resources to get you started
How to connect to your Linux instance
Learn about AWS Free Usage Tier
Amazon EC2: User Guide
Amazon EC2: Discussion Forum
While your instances are launching you can also
Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)
Create and attach additional EBS volumes (Additional charges may apply)
Manage security groups
View Instances
Feedback
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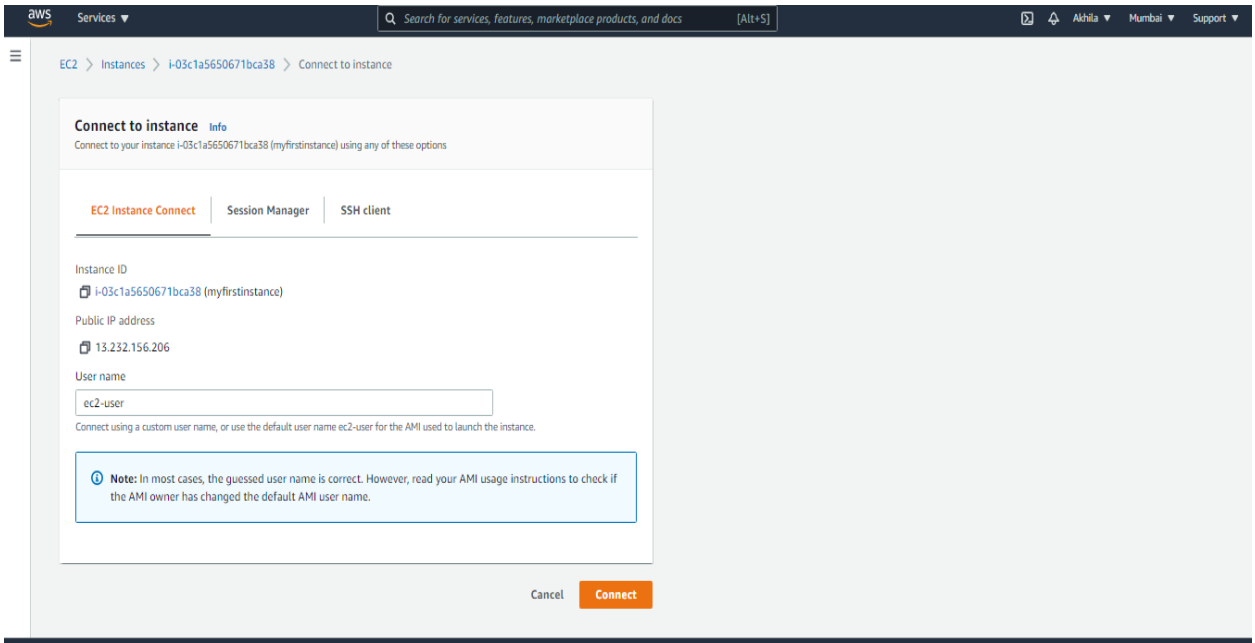
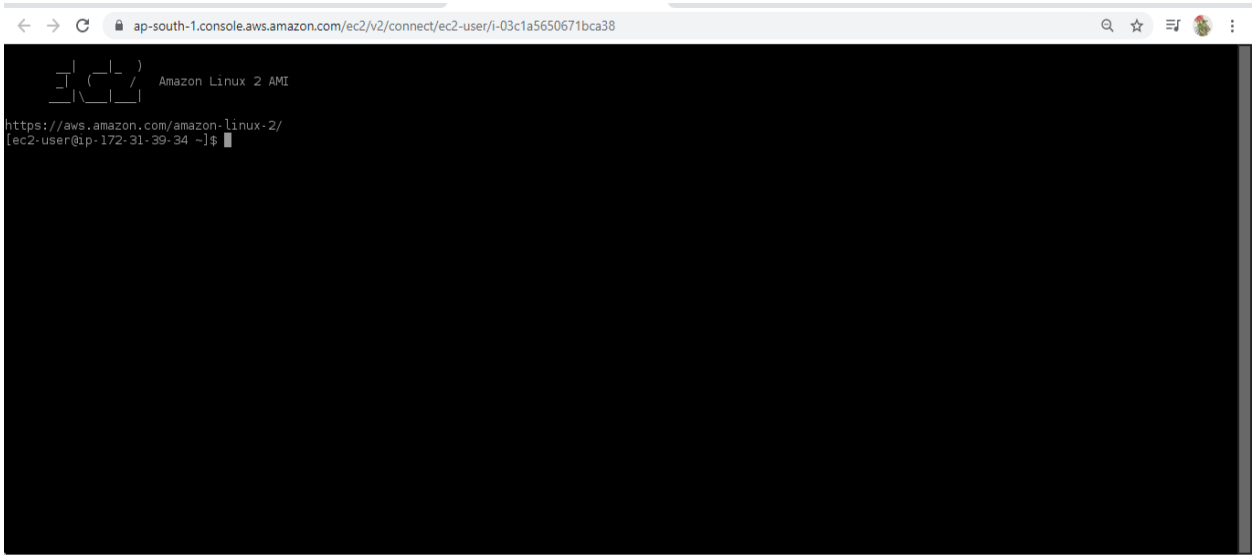
Go to Settings to activate Windows.





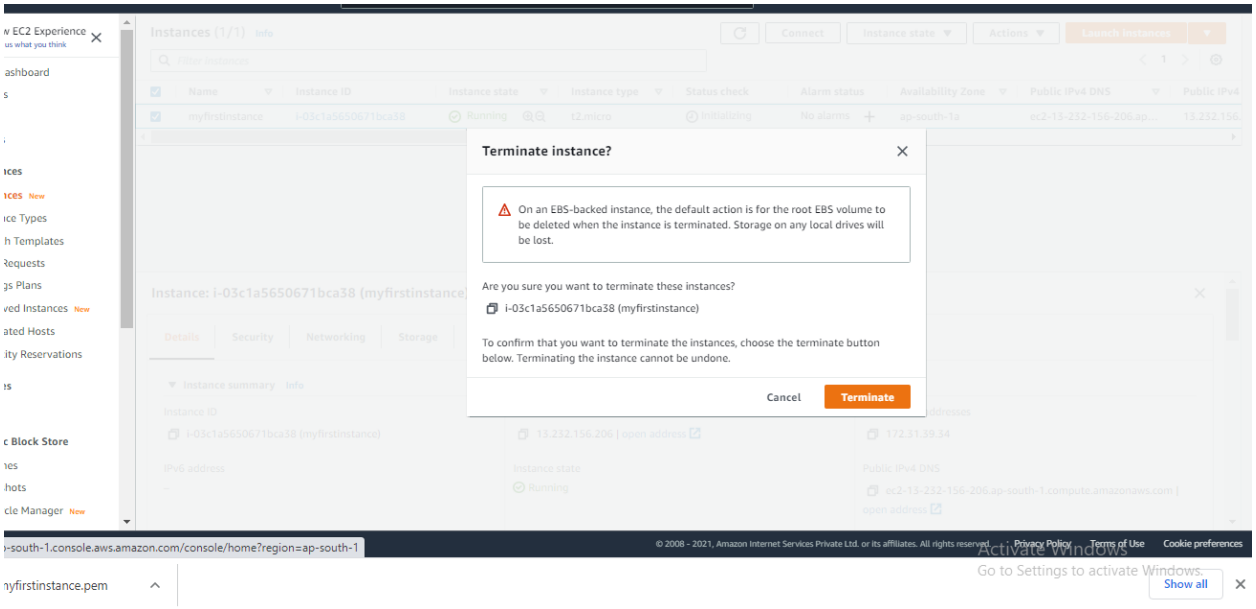
i-03c1a5650671bca38 (myfirstinstance)

Public IPs: 13.232.156.206 Private IPs: 172.31.39.34

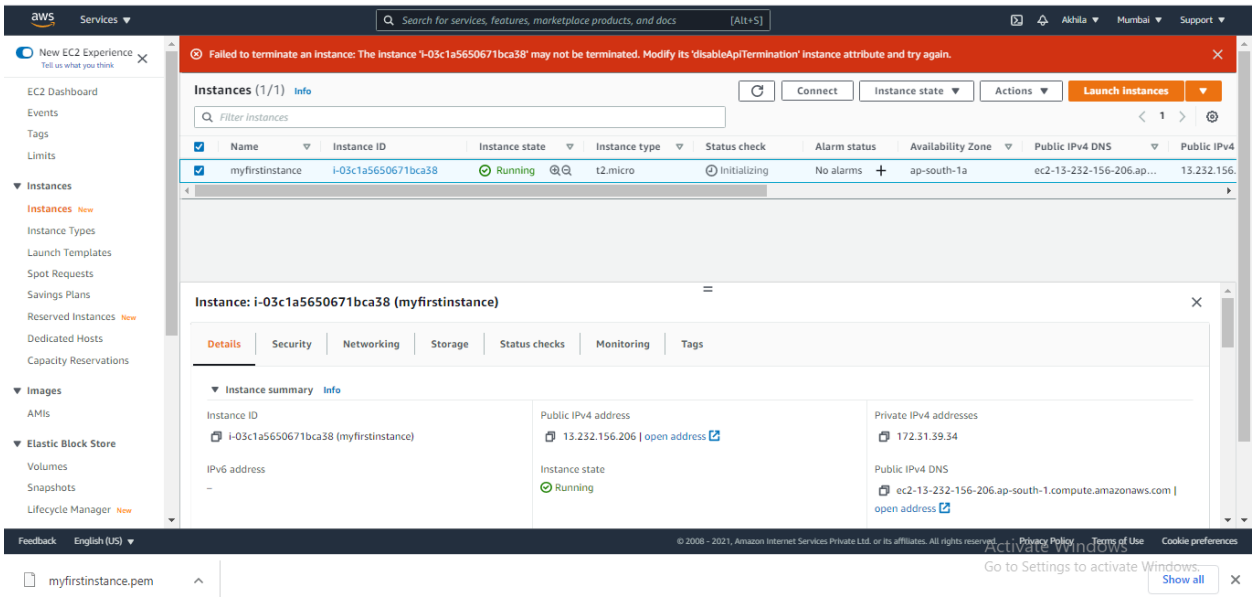
Activate Windows
Go to Settings to activate Windows.

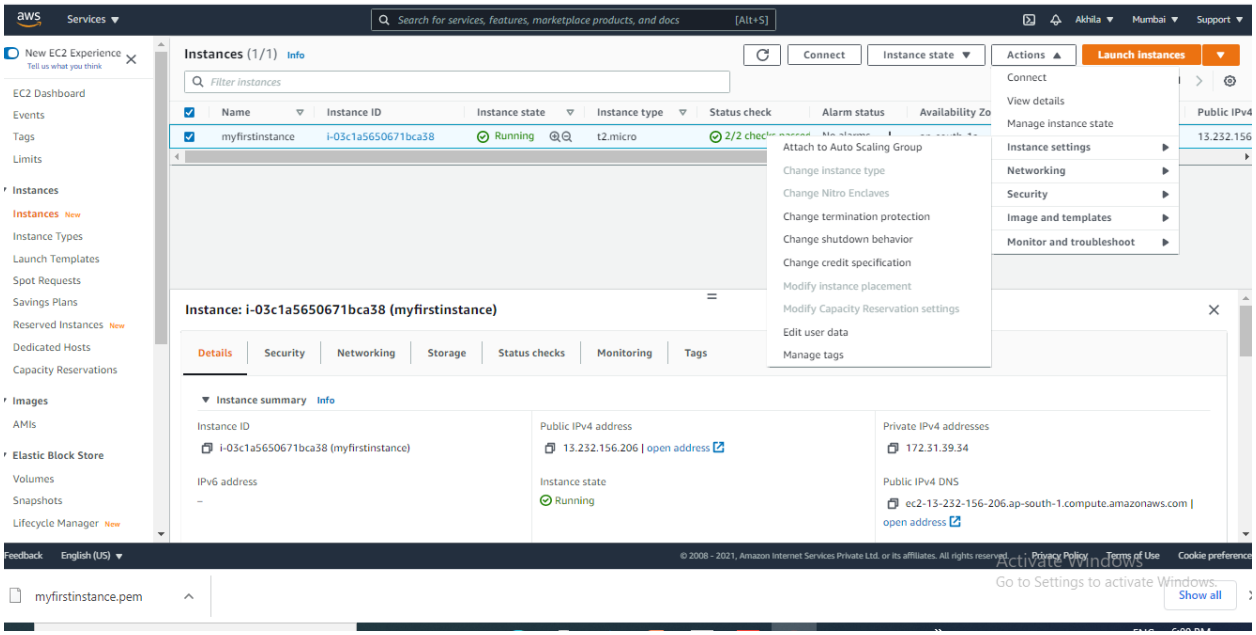
myfirstinstance.pem

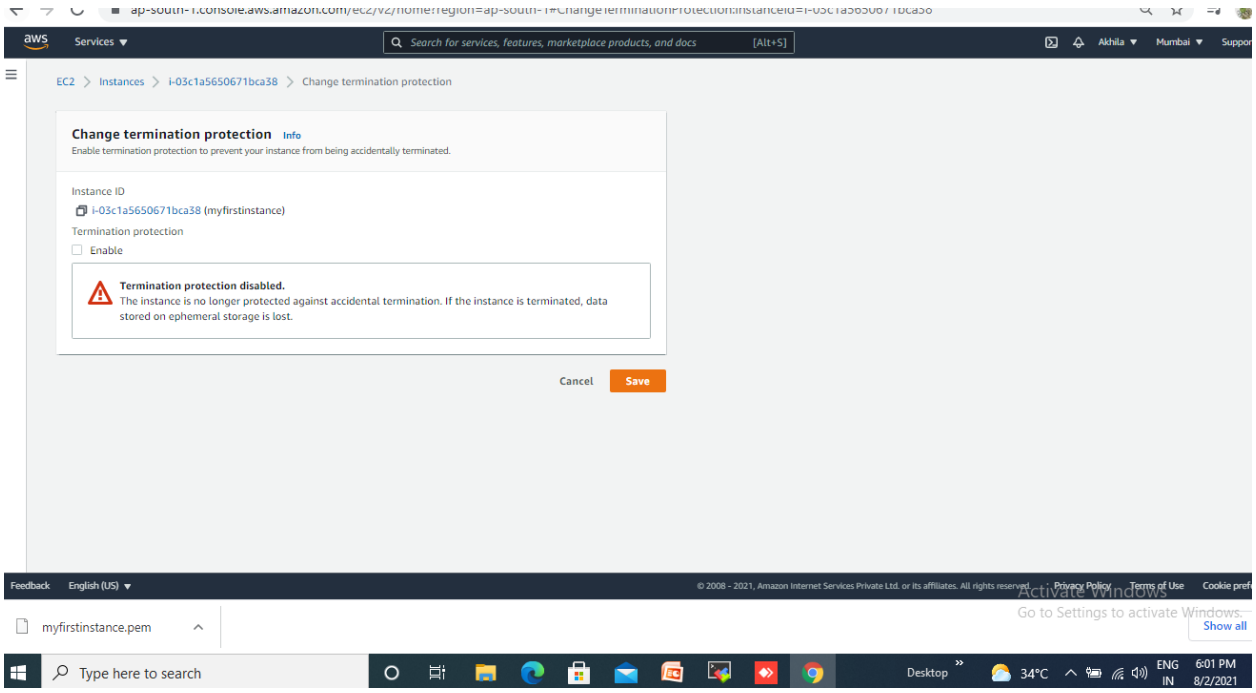
Show all

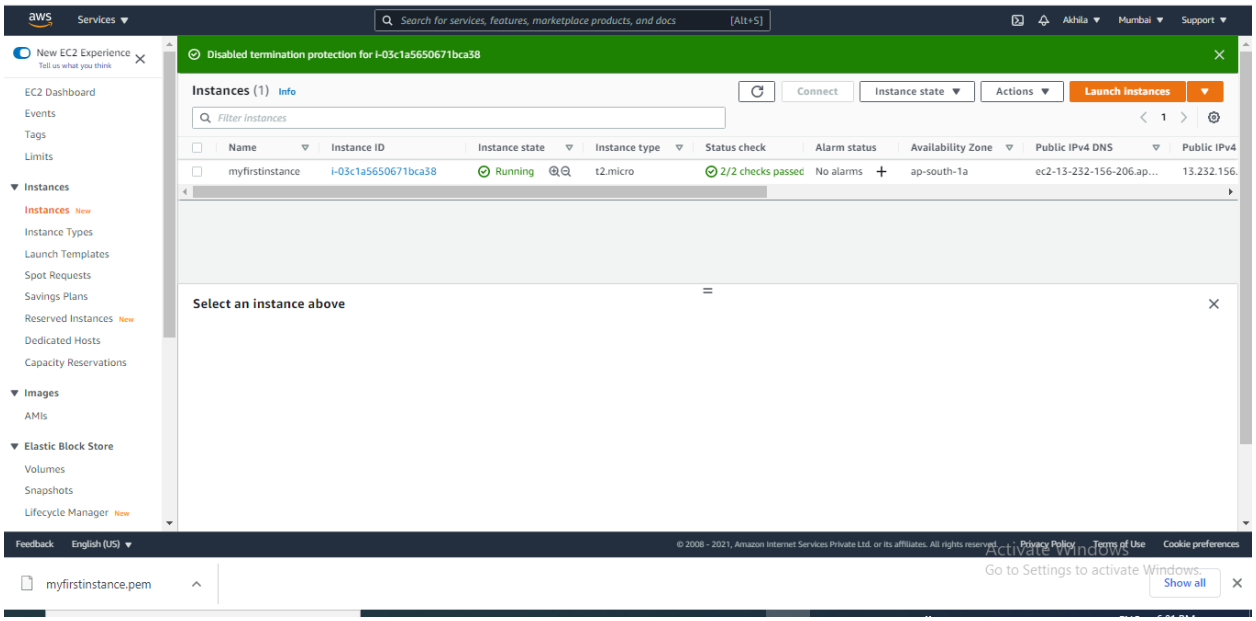


Process of terminating instance after disabling “Termination protection”




Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
myfirstinstance
i-03c1a5650671bca38
Running
t2.micro
Attach to Auto Scaling Group
Change instance type
Change Nitro Enclaves
Change termination protection
Change shutdown behavior
Change credit specification
Modify instance placement
Modify Capacity Reservation settings
Edit user data
Manage tags
Instance settings
Networking
Security
Image and templates
Monitor and troubleshoot
Instance: i-03c1a5650671bca38 (myfirstinstance)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-03c1a5650671bca38 (myfirstinstance)
Public IPv4 address
13.232.156.206 | open address
Private IPv4 addresses
172.31.39.34
IPv6 address
Instance state
Running
Public IPv4 DNS
ec2-13-232-156-206.ap-south-1.compute.amazonaws.com | open address
myfirstinstance.pem
Show all


EC2 > Instances > i-03c1a5650671bca38 > Change termination protection
Change termination protection Info
Enable termination protection to prevent your instance from being accidentally terminated.
Instance ID
i-03c1a5650671bca38 (myfirstinstance)
Termination protection
Enable
Termination protection disabled.
The instance is no longer protected against accidental termination. If the instance is terminated, data stored on ephemeral storage is lost.
Cancel
Save
myfirstinstance.pem
Show all
Type here to search
34°C
ENG
IN
6:01 PM
8/2/2021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Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager New
Disabled termination protection for i-03c1a5650671bca38
Instances (1) Info
Connect
Instance state
Actions
Launch instances
Filter instances
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4
myfirstinstance
i-03c1a5650671bca38
Running
t2.micro
2/2 checks passed
No alarms
ap-south-1a
ec2-13-232-156-206.ap...
13.232.156.
Select an instance above
Feedback
English (US)
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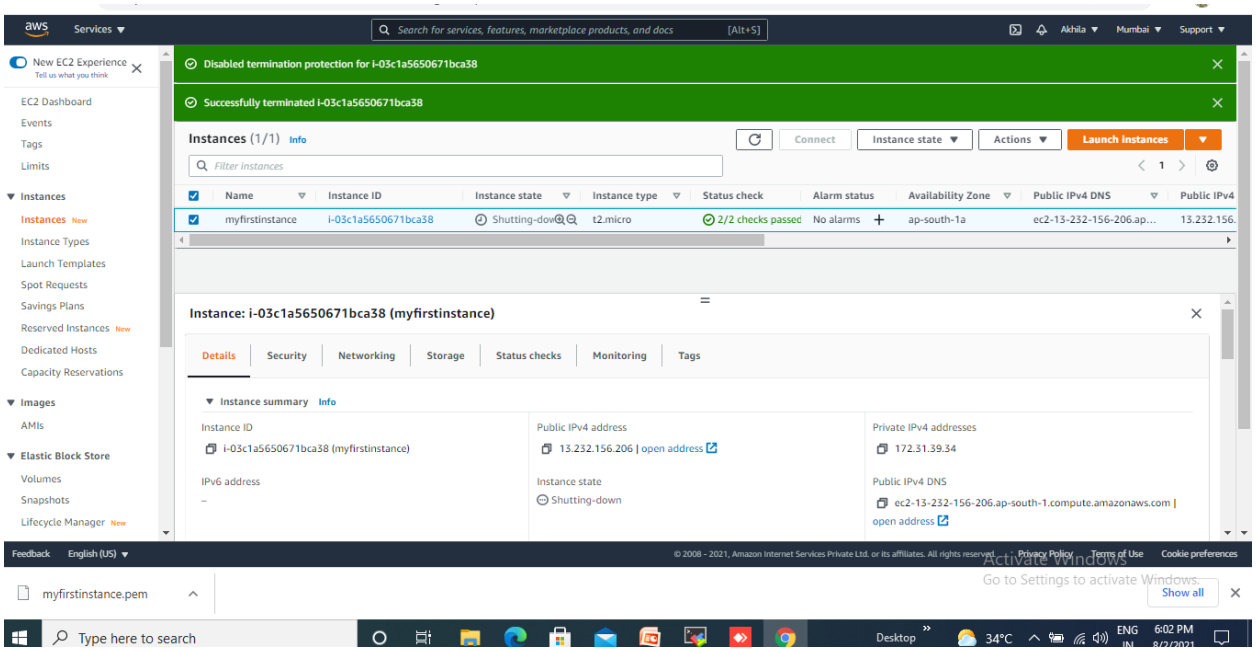
Activate Windows
Go to Settings to activate Windows.
myfirstinstance.pem
Show all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Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager New
Disabled termination protection for i-03c1a5650671bca38
Successfully terminated i-03c1a5650671bca38
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Filter instances
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4
myfirstinstance
i-03c1a5650671bca38
Shutting-down
t2.micro
2/2 checks passed
No alarms
ap-south-1a
ec2-13-232-156-206.ap...
13.232.156.
Instance: i-03c1a5650671bca38 (myfirstinstance)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-03c1a5650671bca38 (myfirstinstance)
Public IPv4 address
13.232.156.206 | open address
Private IPv4 addresses
172.31.39.34
IPv6 address
–
Instance state
Shutting-down
Public IPv4 DNS
ec2-13-232-156-206.ap-south-1.compute.amazonaws.com | open address
Feedback
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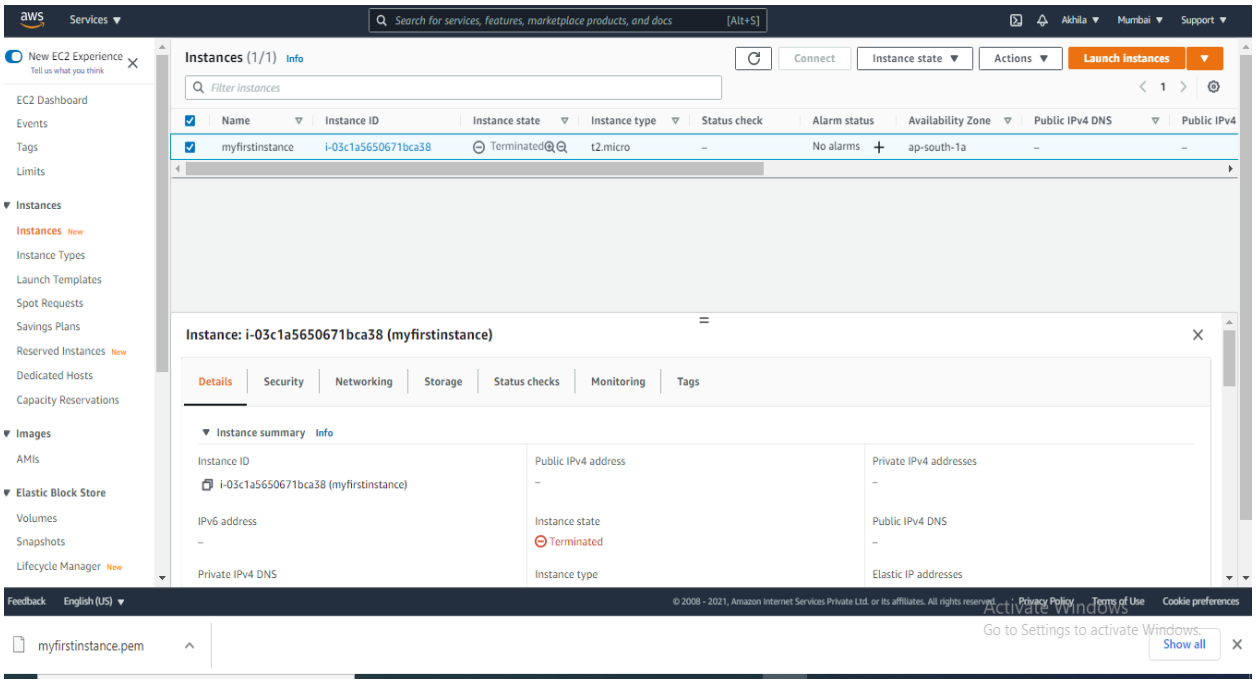
Go to Settings to activate Windows.
myfirstinstance.pem
Show all
Type here to search
Desktop
34°C
ENG
6:02 PM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Events
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Instances New
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Elastic Block Store
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Instance state
Instance type
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Alarm status
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Public IPv4 DNS
Public IPv4
myfirstinstance
i-03c1a5650671bca38
Terminated
t2.micro
No alarms
ap-south-1a
Instance: i-03c1a5650671bca38 (myfirstinstance)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-03c1a5650671bca38 (myfirstinstance)
Public IPv4 address
Private IPv4 addresses
IPv6 address
Instance state
Terminated
Public IPv4 DNS
Private IPv4 DNS
Instance type
Elastic IP addresses
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