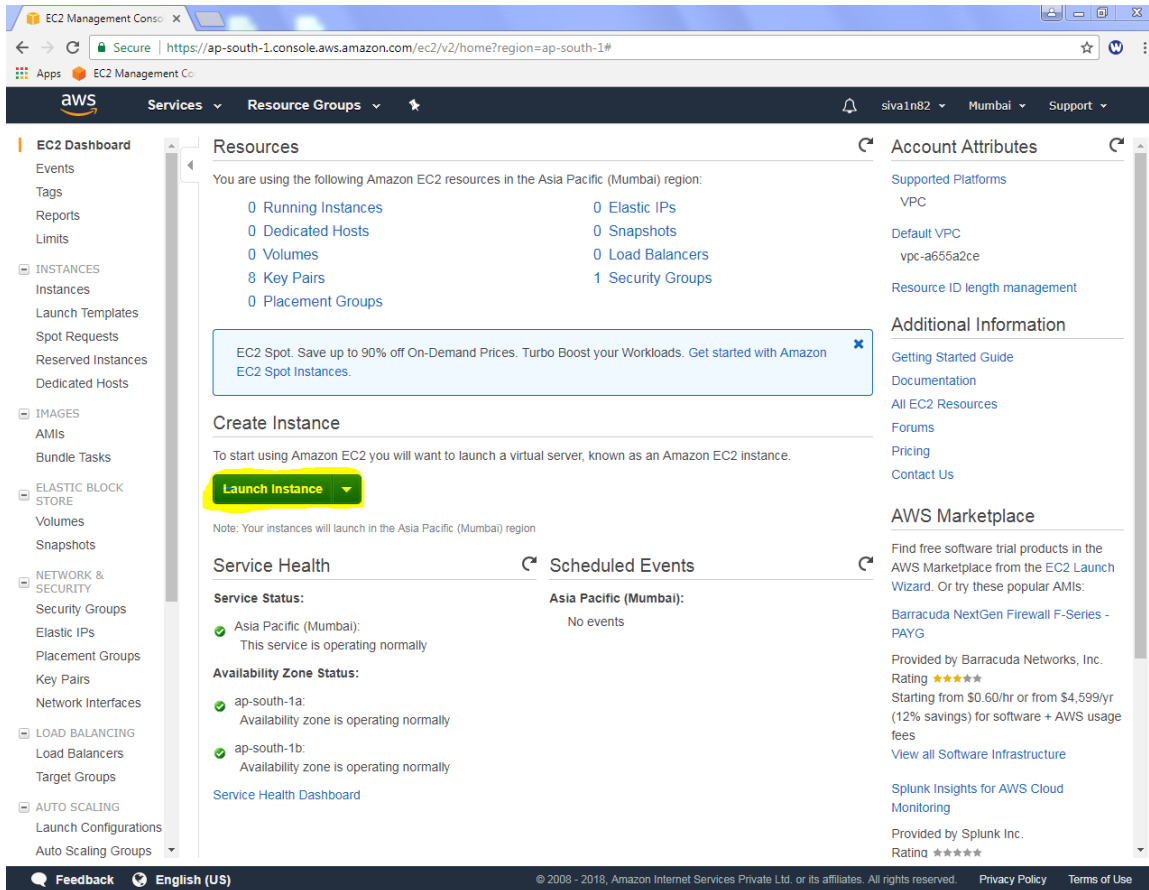


## Lab -1

### Creating and Login to Windows Instance (by using EC2) – for Beginners

Click “Launch instance”.



The screenshot shows the AWS Management Console for the EC2 service. The left sidebar contains a navigation menu with categories like INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area is titled 'Resources' and shows a summary of EC2 resources in the Asia Pacific (Mumbai) region, including 0 Running Instances, 0 Elastic IPs, 0 Snapshots, 0 Load Balancers, 1 Security Groups, 0 Dedicated Hosts, 0 Volumes, 0 Key Pairs, and 0 Placement Groups. A 'Create Instance' button is highlighted in yellow. Below this, there is a 'Service Health' section showing the status of the Asia Pacific (Mumbai) region and its availability zones. The right sidebar contains 'Account Attributes' and 'Additional Information' sections.

EC2 Management Console

Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#

aws Services Resource Groups

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Launch Templates

Spot Requests

Reserved Instances

Dedicated Hosts

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

NETWORK & SECURITY

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

LOAD BALANCING

Load Balancers

Target Groups

AUTO SCALING

Launch Configurations

Auto Scaling Groups

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) region:

- 0 Running Instances
- 0 Elastic IPs
- 0 Dedicated Hosts
- 0 Snapshots
- 0 Volumes
- 0 Load Balancers
- 8 Key Pairs
- 1 Security Groups
- 0 Placement Groups

EC2 Spot. Save up to 90% off On-Demand Prices. Turbo Boost your Workloads. [Get started with Amazon EC2 Spot Instances.](#)

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

**Launch Instance**

Note: Your instances will launch in the Asia Pacific (Mumbai) region

Service Health

Service Status:

- Asia Pacific (Mumbai): This service is operating normally

Availability Zone Status:

- ap-south-1a: Availability zone is operating normally
- ap-south-1b: Availability zone is operating normally

[Service Health Dashboard](#)

Scheduled Events

Asia Pacific (Mumbai):

No events

Account Attributes

Supported Platforms

VPC

Default VPC

vpc-a656a2ce

Resource ID length management

Additional Information

[Getting Started Guide](#)

[Documentation](#)

[All EC2 Resources](#)

[Forums](#)

[Pricing](#)

[Contact Us](#)

AWS Marketplace

Find free software trial products in the AWS Marketplace from the [EC2 Launch Wizard](#). Or try these popular AMIs:

[Barracuda NextGen Firewall F-Series - PAYG](#)

Provided by Barracuda Networks, Inc.

Rating ★★★★★

Starting from \$0.60/hr or from \$4,599/yr (12% savings) for software + AWS usage fees

[View all Software Infrastructure](#)

[Splunk Insights for AWS Cloud Monitoring](#)

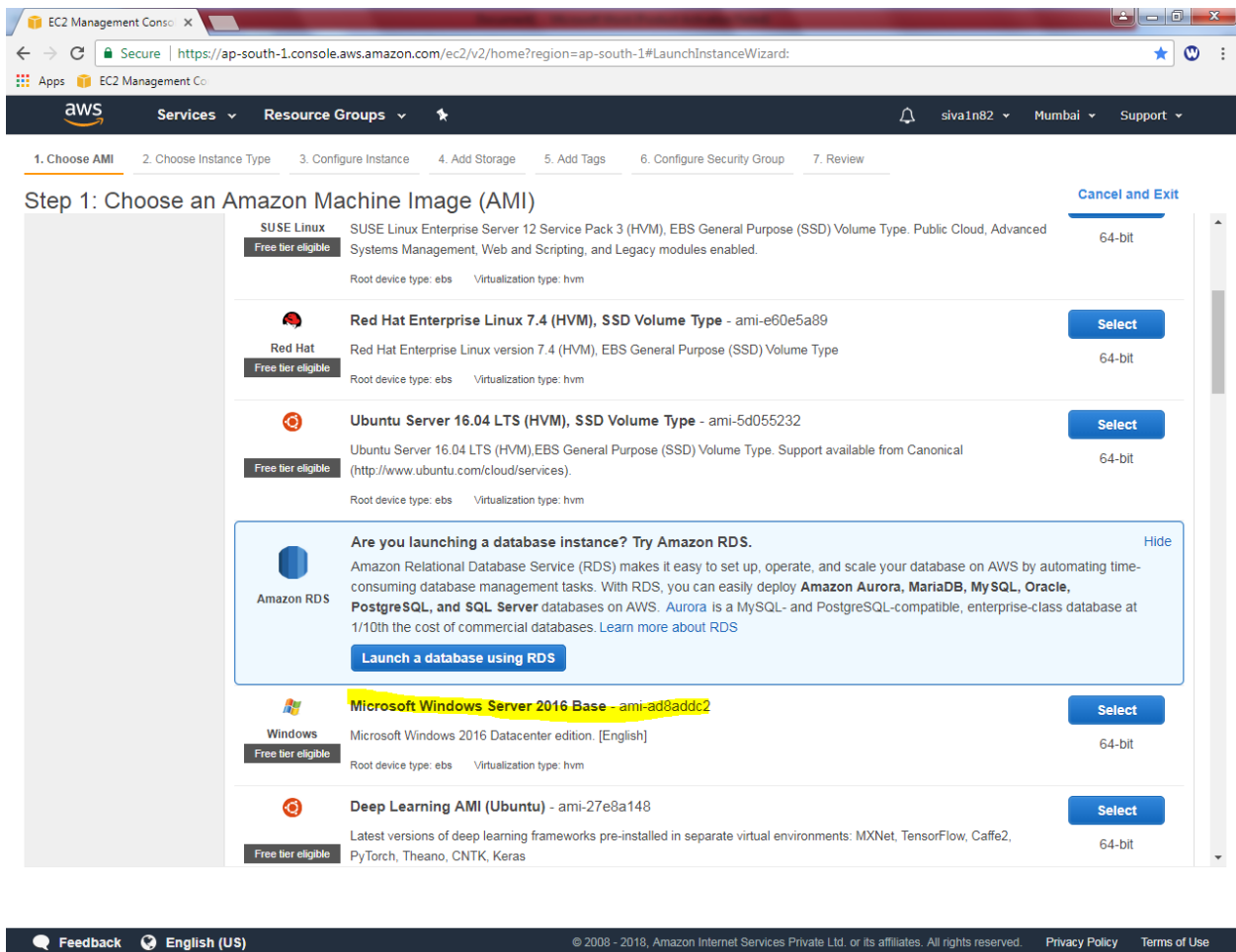
Provided by Splunk Inc.

Rating ★★★★★

Feedback English (US)

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Select “Microsoft Windows Server 2016 Base”.

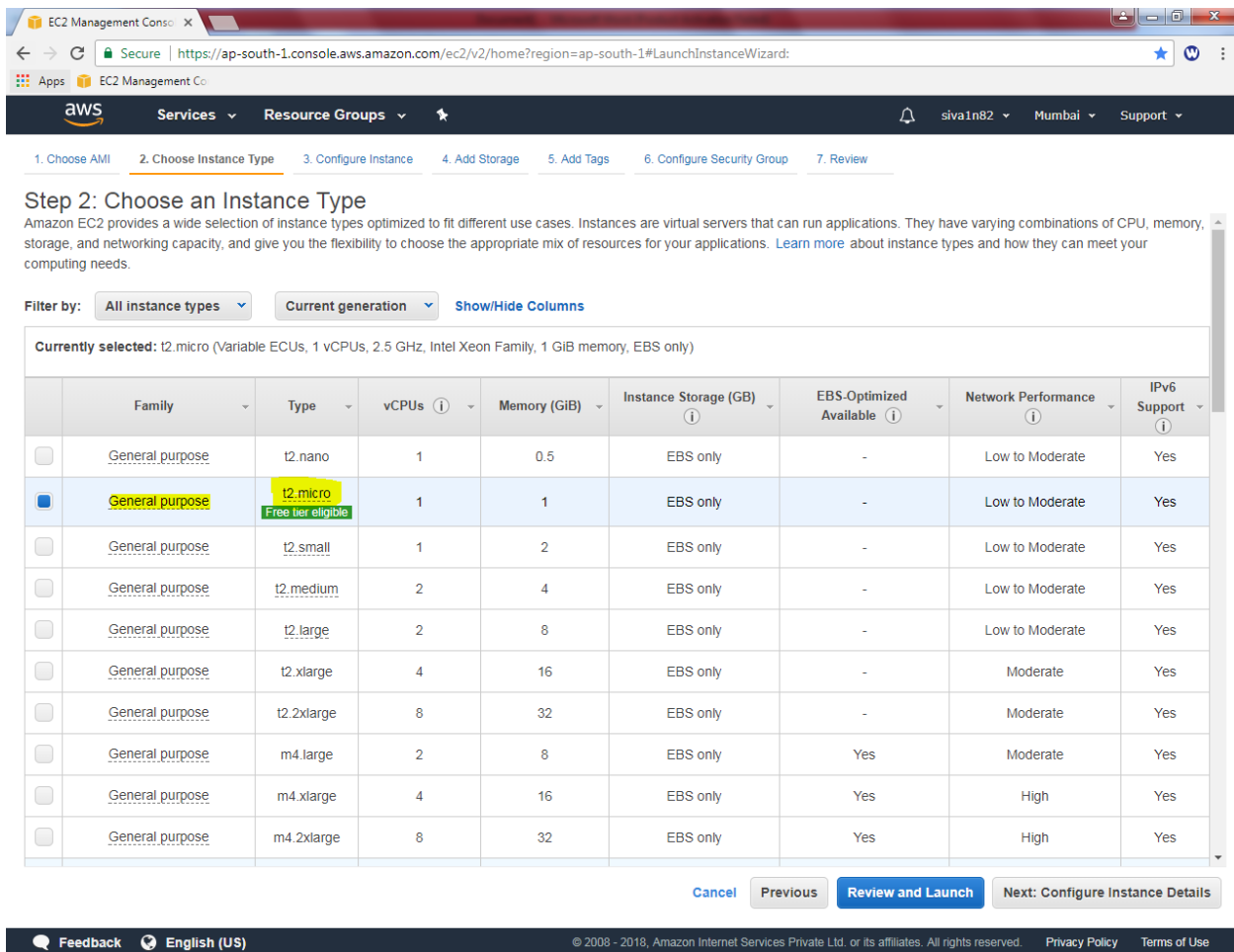


The screenshot shows the AWS Management Console's 'Step 1: Choose an Amazon Machine Image (AMI)' wizard. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The main content area lists several AMIs:

- SUSE Linux** (Free tier eligible): SUSE Linux Enterprise Server 12 Service Pack 3 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled. Root device type: ebs, Virtualization type: hvm. 64-bit.
- Red Hat** (Free tier eligible): Red Hat Enterprise Linux 7.4 (HVM), SSD Volume Type - ami-e60e5a89. Red Hat Enterprise Linux version 7.4 (HVM), EBS General Purpose (SSD) Volume Type. Root device type: ebs, Virtualization type: hvm. 64-bit.
- Ubuntu** (Free tier eligible): Ubuntu Server 16.04 LTS (HVM), SSD Volume Type - ami-5d055232. Ubuntu Server 16.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>). Root device type: ebs, Virtualization type: hvm. 64-bit.
- Amazon RDS** (Promotional banner): Are you launching a database instance? Try Amazon RDS. Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale your database on AWS by automating time-consuming database management tasks. With RDS, you can easily deploy **Amazon Aurora, MariaDB, MySQL, Oracle, PostgreSQL, and SQL Server** databases on AWS. Aurora is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. [Learn more about RDS](#). [Launch a database using RDS](#).
- Windows** (Free tier eligible): **Microsoft Windows Server 2016 Base - ami-ad8addc2** (highlighted). Microsoft Windows 2016 Datacenter edition. [English]. Root device type: ebs, Virtualization type: hvm. 64-bit.
- Deep Learning AMI (Ubuntu)** (Free tier eligible): ami-27e8a148. Latest versions of deep learning frameworks pre-installed in separate virtual environments: MXNet, TensorFlow, Caffe2, PyTorch, Theano, CNTK, Keras. 64-bit.

The bottom of the console shows a 'Feedback' button, 'English (US)' language selection, and copyright information: © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use.

Select “General Purpose”- t2.micro (which is free tier eligible).



**Step 2: Choose an Instance Type**

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: **All instance types** **Current generation** [Show/Hide Columns](#)

**Currently selected:** t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

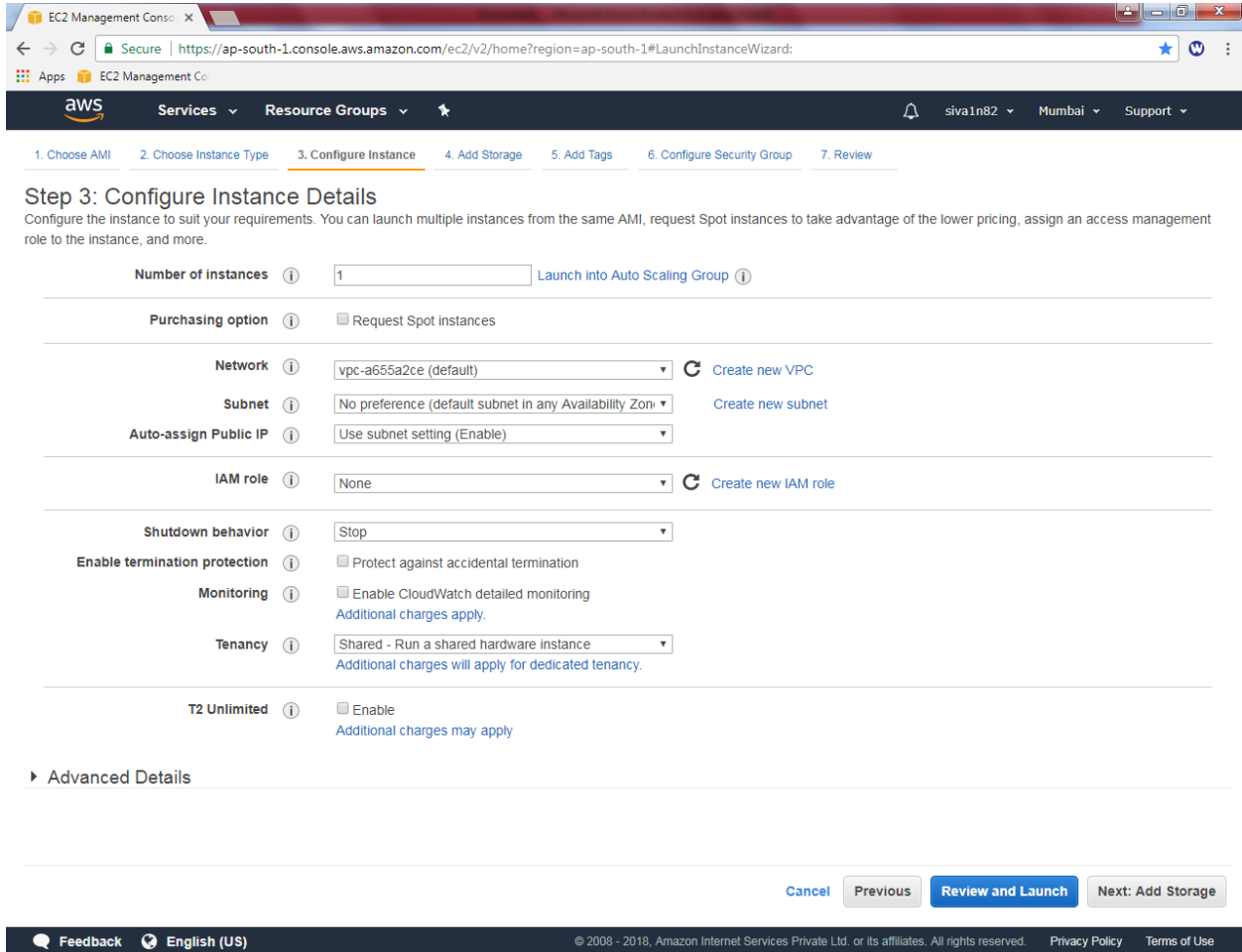
	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate	Yes
<input type="checkbox"/>	General purpose	m4.xlarge	4	16	EBS only	Yes	High	Yes
<input type="checkbox"/>	General purpose	m4.2xlarge	8	32	EBS only	Yes	High	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

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Click “Next”.

Leave the settings default and click “Next”.



EC2 Management Console

Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

Apps EC2 Management Console

aws Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

**Number of Instances** ⓘ 1 [Launch into Auto Scaling Group](#) ⓘ

**Purchasing option** ⓘ ☐ Request Spot Instances

**Network** ⓘ vpc-a655a2ce (default) [Create new VPC](#)

**Subnet** ⓘ No preference (default subnet in any Availability Zone) [Create new subnet](#)

**Auto-assign Public IP** ⓘ Use subnet setting (Enable)

**IAM role** ⓘ None [Create new IAM role](#)

**Shutdown behavior** ⓘ Stop

**Enable termination protection** ⓘ ☐ Protect against accidental termination

**Monitoring** ⓘ ☐ Enable CloudWatch detailed monitoring  
Additional charges apply.

**Tenancy** ⓘ Shared - Run a shared hardware instance  
Additional charges will apply for dedicated tenancy.

**T2 Unlimited** ⓘ ☐ Enable  
Additional charges may apply

► Advanced Details

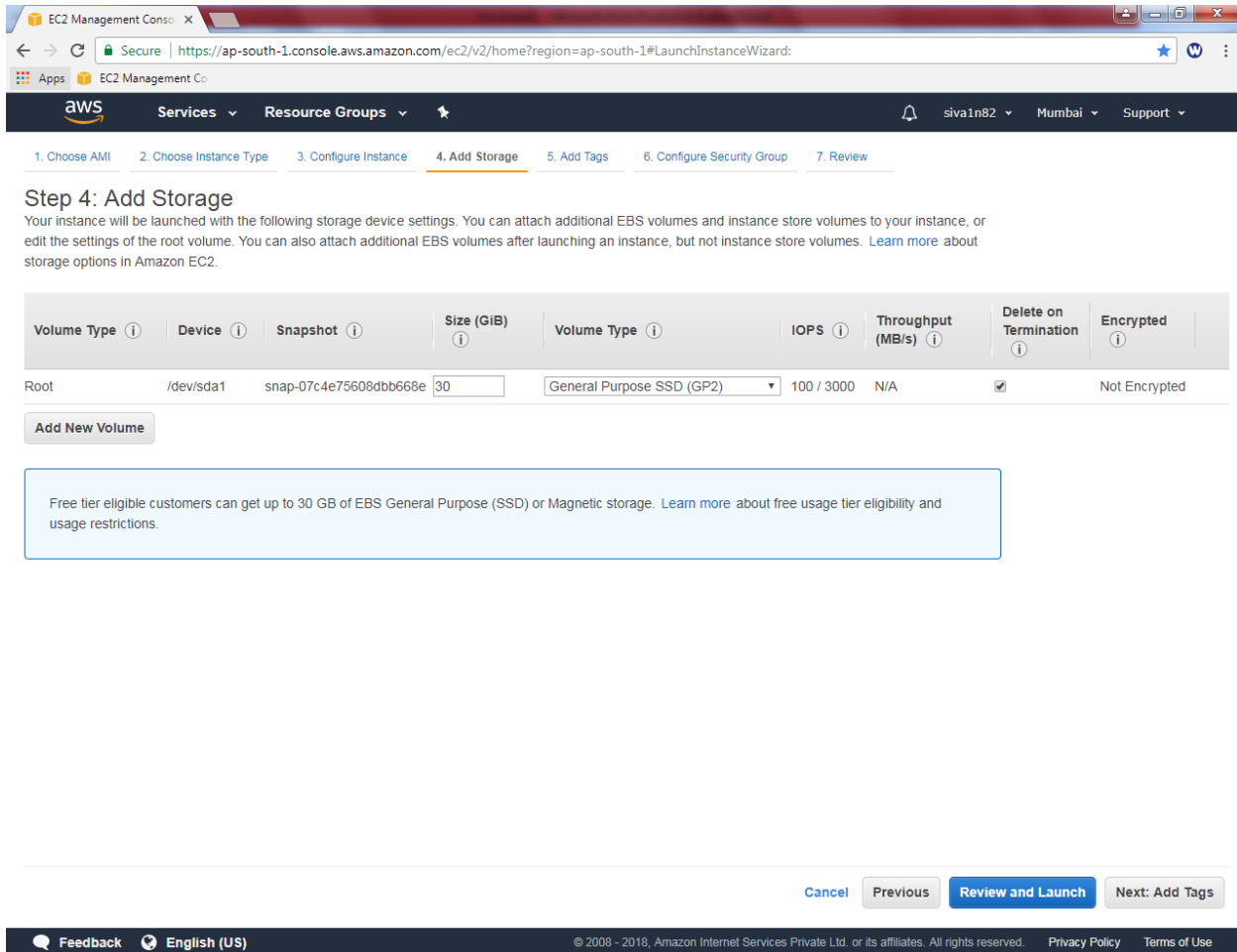
[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

Feedback English (US)

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Click “Next”.

Leave the default settings and Click “Next”.



The screenshot shows the AWS Management Console interface for the 'Add Storage' step of the EC2 instance launch wizard. The breadcrumb navigation at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage (current step), 5. Add Tags, 6. Configure Security Group, and 7. Review.

**Step 4: Add Storage**  
 Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encrypted ⓘ
Root	/dev/sda1	snap-07c4e75608dbb668e	30	General Purpose SSD (GP2) ▼	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

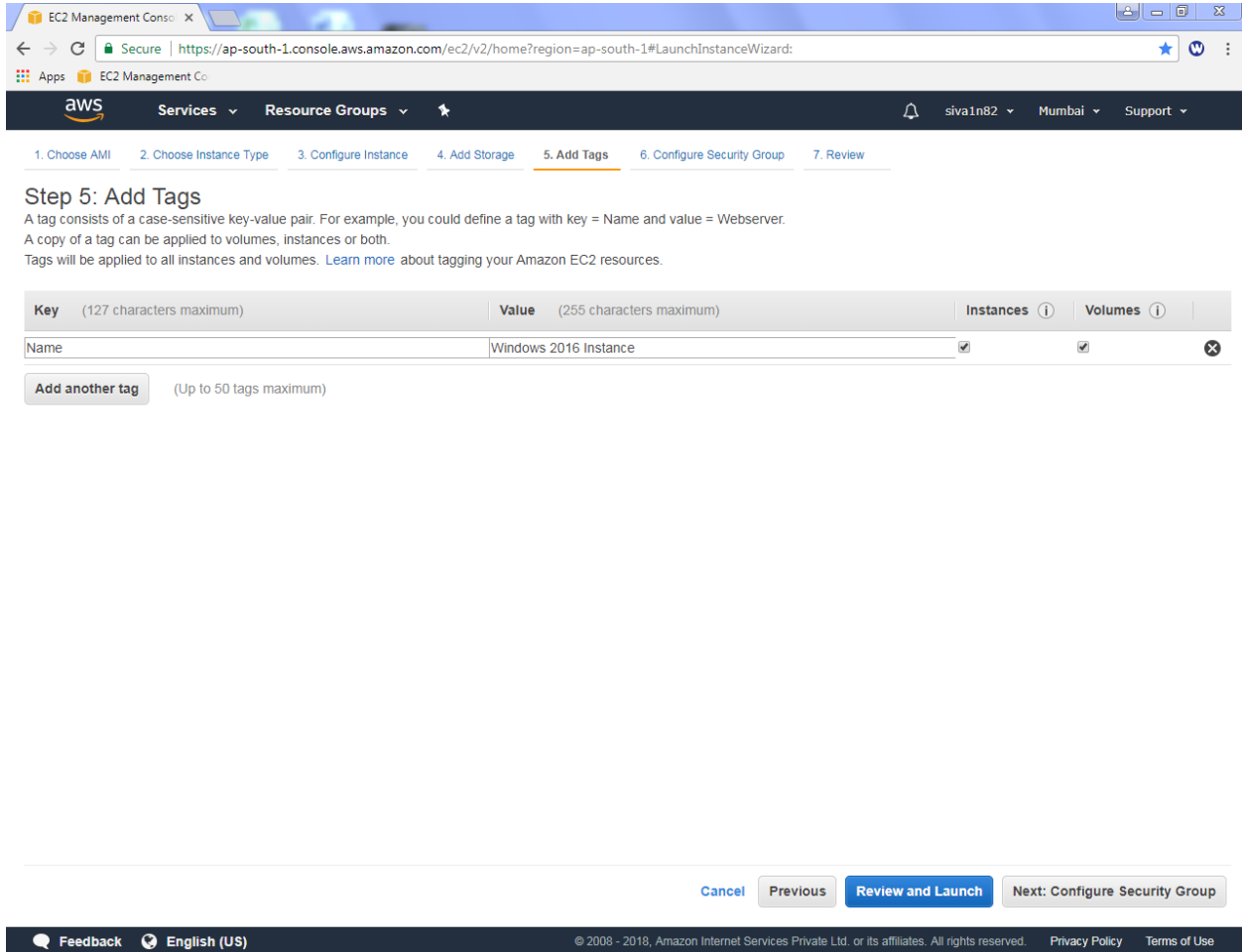
[Add New Volume](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

At the bottom of the console, there are navigation buttons: [Cancel](#), [Previous](#), [Review and Launch](#) (highlighted in blue), and [Next: Add Tags](#).

The footer of the console includes a [Feedback](#) link, the language set to [English \(US\)](#), and copyright information: © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. It also includes links for [Privacy Policy](#) and [Terms of Use](#).

In Key type as “Name” and value as “Windows 2016 instance”.



EC2 Management Console

Secure | <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard>

Apps EC2 Management Co

aws Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

### Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.  
A copy of a tag can be applied to volumes, instances or both.  
Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)	Instances ⓘ	Volumes ⓘ
Name	Windows 2016 Instance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

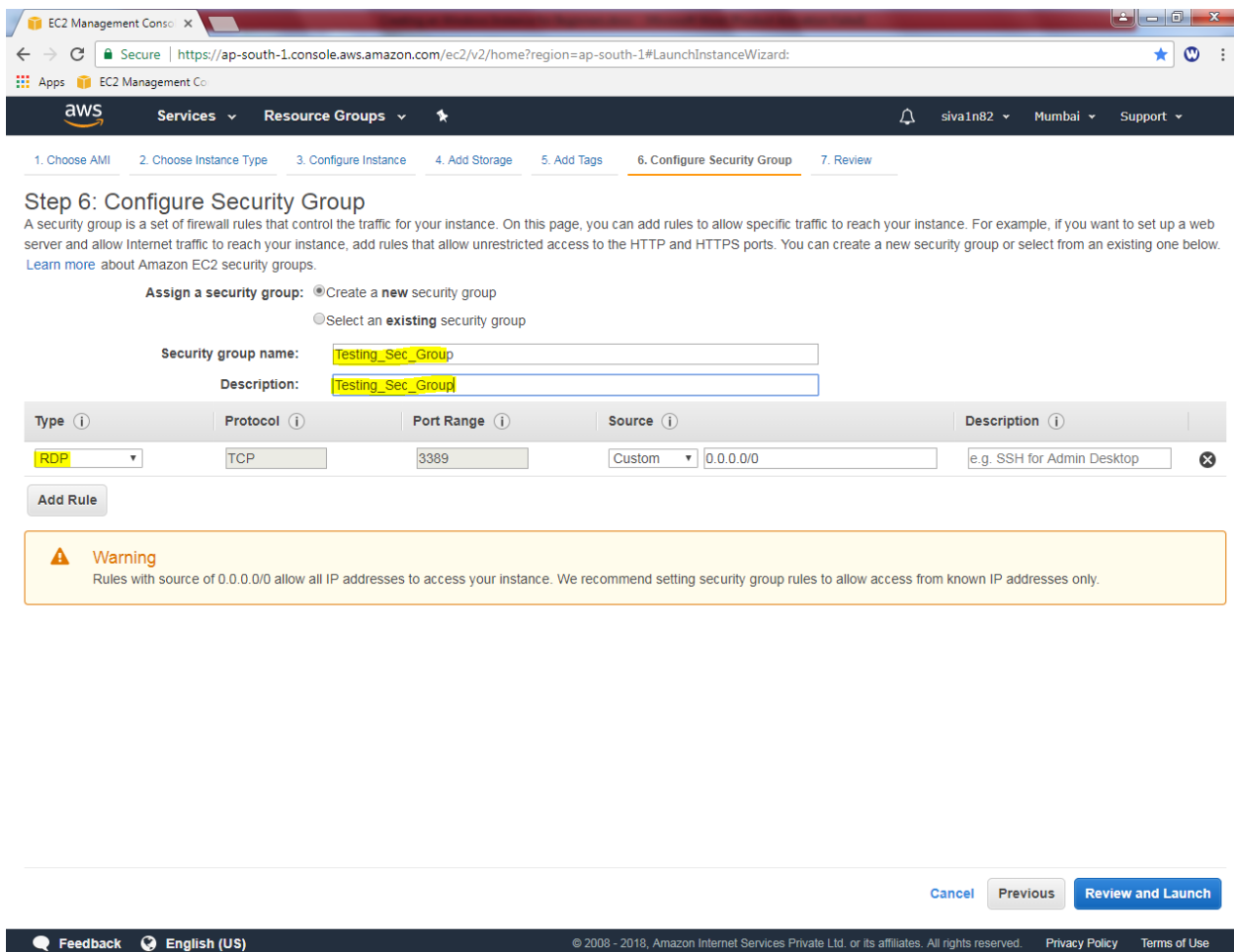
[Add another tag](#) (Up to 50 tags maximum)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Security Group](#)

[Feedback](#) [English \(US\)](#) © 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Click “Next”

In Security group, create a new security group “Testing\_Sec\_Group”. By default AWS allows RDP (3389) for management purpose of the server.



EC2 Management Console

Secure | <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:>

Services Resource Groups

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:

Description:

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Custom 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**

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Click “Review and launch”.

EC2 Management Console

[Secure](#)
<https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard>

Apps

EC2 Management Console

aws

Services

Resource Groups

siva1n82

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 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

⚠

**Improve your instances' security. Your security group, `Testing_Sec_Group`, is open to the world.**

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

▼

AMI Details

Edit AMI

Free tier eligible

Microsoft Windows Server 2016 Base - ami-ad8addc2

Microsoft Windows 2016 Datacenter edition. [English]

Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). Don't show me this again

▼

Instance Type

Edit instance type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

▼

Security Groups

Edit security groups

Security group name

Testing\_Sec\_Group

Description

Testing\_Sec\_Group

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
RDP	TCP	3389	0.0.0.0/0	

▶

Instance Details

Edit instance details

Cancel

Previous

Launch

Feedback

English (US)

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Click "Launch".

Page 8 of 22



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

Eveningaws

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

Create a new key pair and type the name of the key pair then Click “Downlod key pair”.

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

Eveningaws

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.

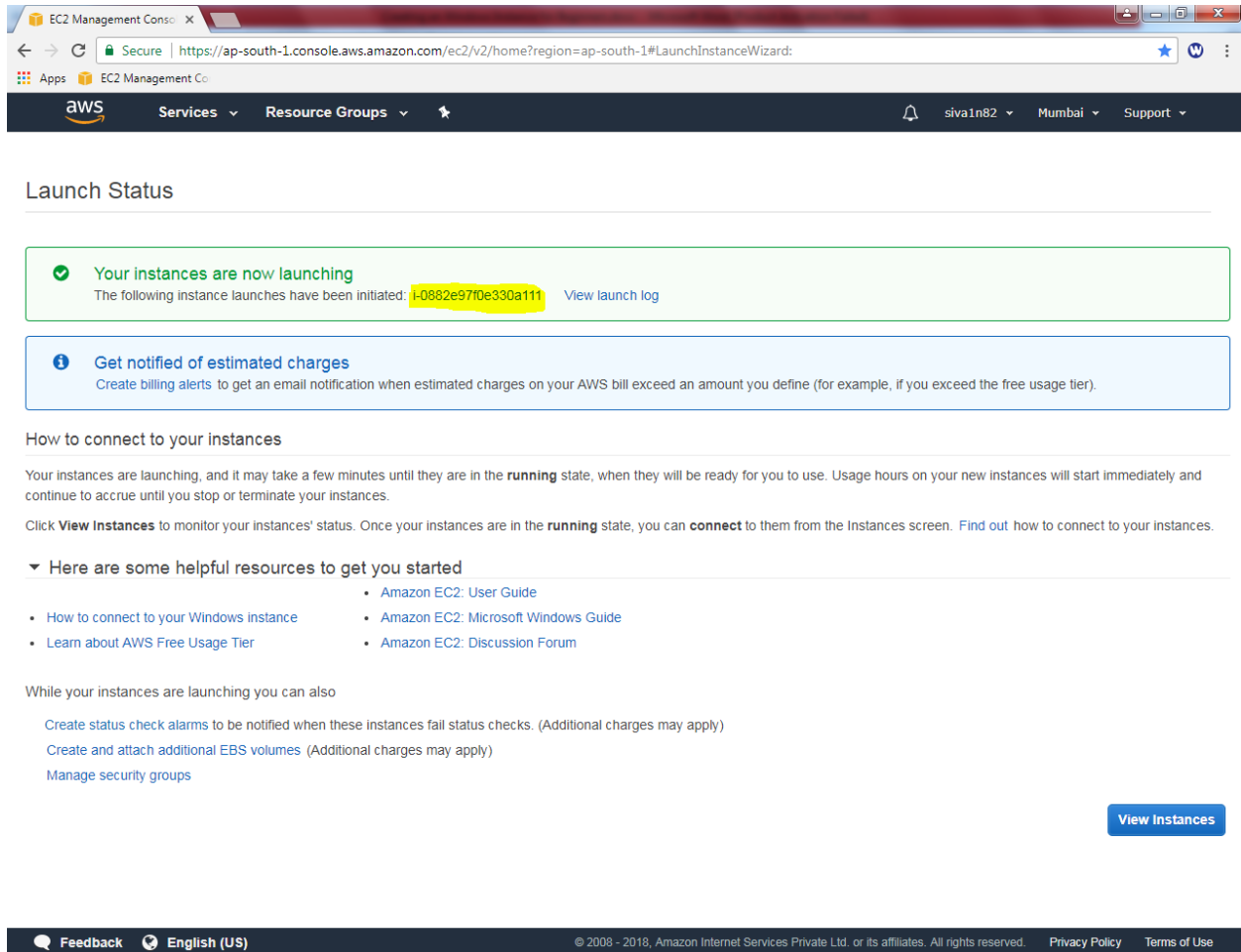
Cancel

Launch Instances

Click “Launch Instance”.

Page 9 of 22

Now you have created the instance successfully.



The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', 'Resource Groups', and user information. The main content area is titled 'Launch Status'. It features a green success message: 'Your instances are now launching' with a checkmark icon. Below this, it states 'The following instance launches have been initiated:' followed by the instance ID 'i-0882e97f0e330a111' and a 'View launch log' link. There's also a blue informational message about estimated charges. Below these messages, a section titled 'How to connect to your instances' provides instructions and links to resources. At the bottom right, there is a blue 'View Instances' button. The footer contains a feedback link, language selector (English (US)), and copyright information.

EC2 Management Console

Secure | <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard>

Apps EC2 Management Co

aws Services Resource Groups

siva1n82 Mumbai Support

### Launch Status

✓ **Your instances are now launching**  
The following instance launches have been initiated: **i-0882e97f0e330a111** [View launch log](#)

i **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 Windows instance](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: User Guide](#)
- [Amazon EC2: Microsoft Windows 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](#)

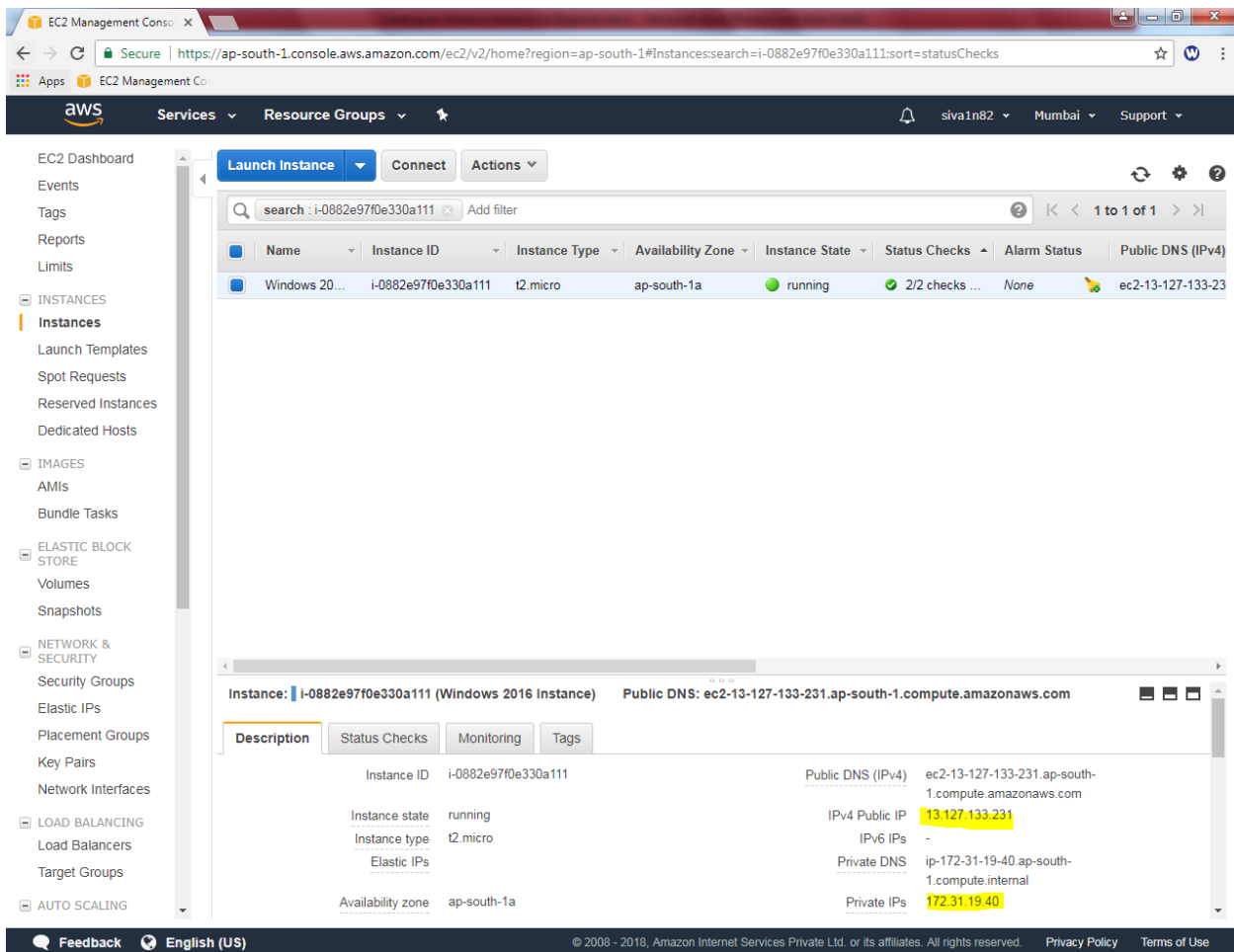
[View Instances](#)

Feedback English (US)

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Click “View Instances”.

You need to wait up to status checks is 2/2.



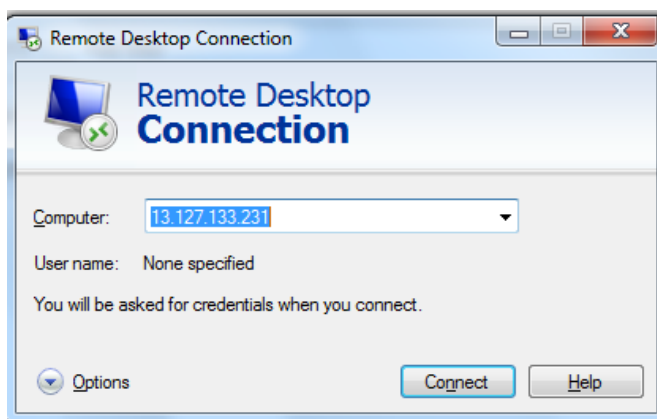
The screenshot displays the AWS Management Console for an EC2 instance. The instance is named 'Windows 20...' with ID 'i-0882e97f0e330a111', running on a 't2.micro' instance type in the 'ap-south-1a' availability zone. The instance state is 'running' and status checks are at 2/2. The public DNS is 'ec2-13-127-133-231.ap-south-1.compute.amazonaws.com'.

The instance details pane shows the following information:

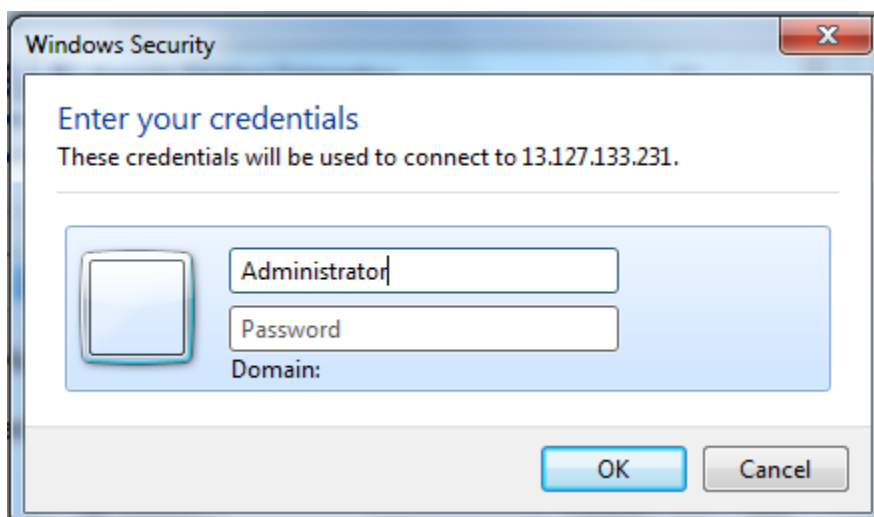
Instance: i-0882e97f0e330a111 (Windows 2016 Instance)		Public DNS: ec2-13-127-133-231.ap-south-1.compute.amazonaws.com	
<b>Description</b>			
Instance ID	i-0882e97f0e330a111	Public DNS (IPv4)	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com
Instance state	running	IPv4 Public IP	13.127.133.231
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-19-40.ap-south-1.compute.internal
Availability zone	ap-south-1a	Private IPs	172.31.19.40

Now you can able to view the public ip address as above (13.127.133.231) and LAN IP address as (172.31.19.40). Then we need to connect the instance by using RDP.

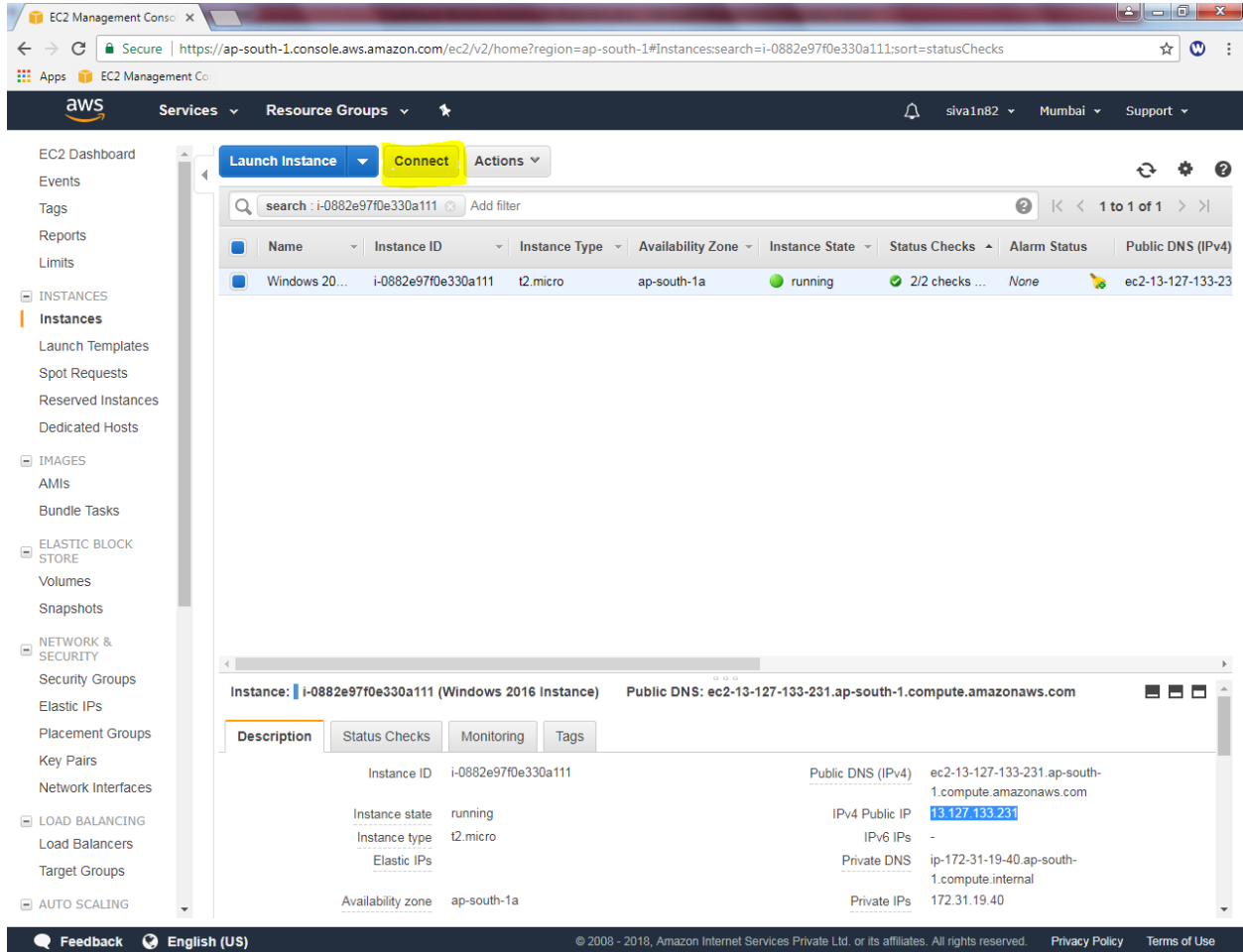
Try to connect the server by using mstsc in run command. Then type the public IP



It required password,



Now, click connect button,



The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main content area displays a table of EC2 instances. The instance i-0882e97f0e330a111 is highlighted, and the 'Connect' button is highlighted in yellow. Below the table, the details for the selected instance are shown, including the Instance ID, Instance state, Instance type, Elastic IPs, Availability zone, Public DNS (IPv4), IPv4 Public IP, IPv6 IPs, Private DNS, and Private IPs.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Windows 20...	i-0882e97f0e330a111	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-127-133-23

Instance: i-0882e97f0e330a111 (Windows 2016 Instance) Public DNS: ec2-13-127-133-231.ap-south-1.compute.amazonaws.com

Description		Status Checks		Monitoring		Tags	
Instance ID	i-0882e97f0e330a111	Public DNS (IPv4)	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com	IPv4 Public IP	13.127.133.231	IPv6 IPs	-
Instance state	running	Private DNS	ip-172-31-19-40.ap-south-1.compute.internal	Private IPs	172.31.19.40		
Instance type	t2.micro						
Elastic IPs							
Availability zone	ap-south-1a						

Click “Get Password” button.

**Connect To Your Instance** ×

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[Download Remote Desktop File](#)

When prompted, connect to your instance using the following details:

<b>Public DNS</b>	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com
<b>User name</b>	Administrator
<b>Password</b>	<a href="#">Get Password</a>

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

[Close](#)

Then click “close”.

Click “choose file” and locate the “Eveningaws.pem” file.

**Connect To Your Instance > Get Password** ×

The following Key Pair was associated with this instance when it was created.

<b>Key Name</b>	Eveningaws.pem
-----------------	----------------

In order to retrieve your password you will need to specify the path of this Key Pair on your local machine:

<b>Key Pair Path</b>	<a href="#">Choose File</a> No file chosen
----------------------	--------------------------------------------

Or you can copy and paste the contents of the Key Pair below:

[Decrypt Password](#)

[Back](#) [Close](#)

Then click “Decrypt password

**Connect To Your Instance > Get Password** ✕

The following Key Pair was associated with this instance when it was created.

**Key Name** Eveningaws.pem

In order to retrieve your password you will need to specify the path of this Key Pair on your local machine:

**Key Pair Path**  Eveningaws.pem

Or you can copy and paste the contents of the Key Pair below:

```
-----BEGIN RSA PRIVATE KEY-----
MIIEEwIBAAKCAQEAgh+h2SSjdteK5CwM3CnIHtf/5xMKVBKXNmifwc3v70wZ1PieR9VhcKq6ok
zzQQ9u+QH3QF5RaxXNc2ELM+WQWdc2cHXH081YepMOU+HQUphOHv+ZOOMZI54MmiXXGjsHH
EuZw0
vIZMJPz6Spw8svcxYVhK4SWxYosY3x9W+pXAKTefncS7PVzmE0mancrERfXc4mmF9tCv5Hl9suOj
tIBpOaaRY4kBdtZnrodffgQ3khs4HlGmuScSTdQL7FIBbXhl8N1embi93Arcm8YJMPA/xQZYHglJ
-----
```

password is highlighted as below.

**Connect To Your Instance** ✕

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

When prompted, connect to your instance using the following details:

**Public DNS** ec2-13-127-133-231.ap-south-1.compute.amazonaws.com

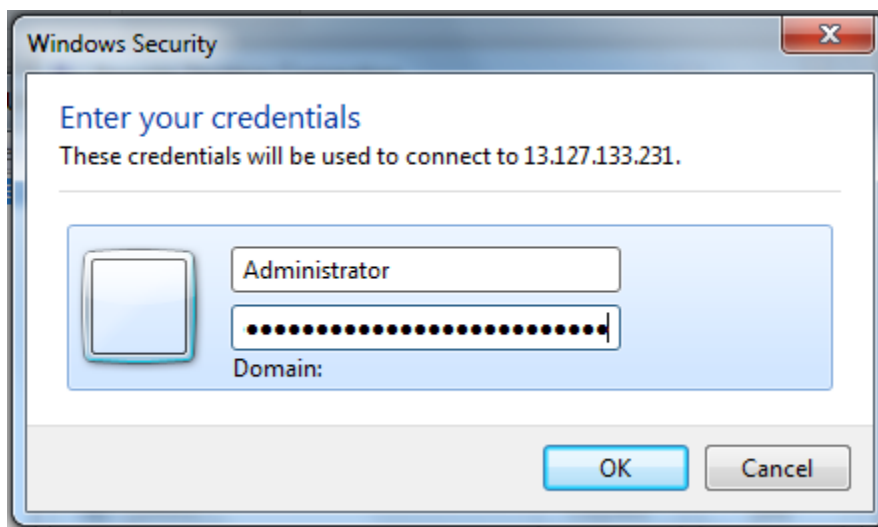
**User name** Administrator

**Password** ObeifKpZe4IESPELjbEWA-xq5CxcDwz

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

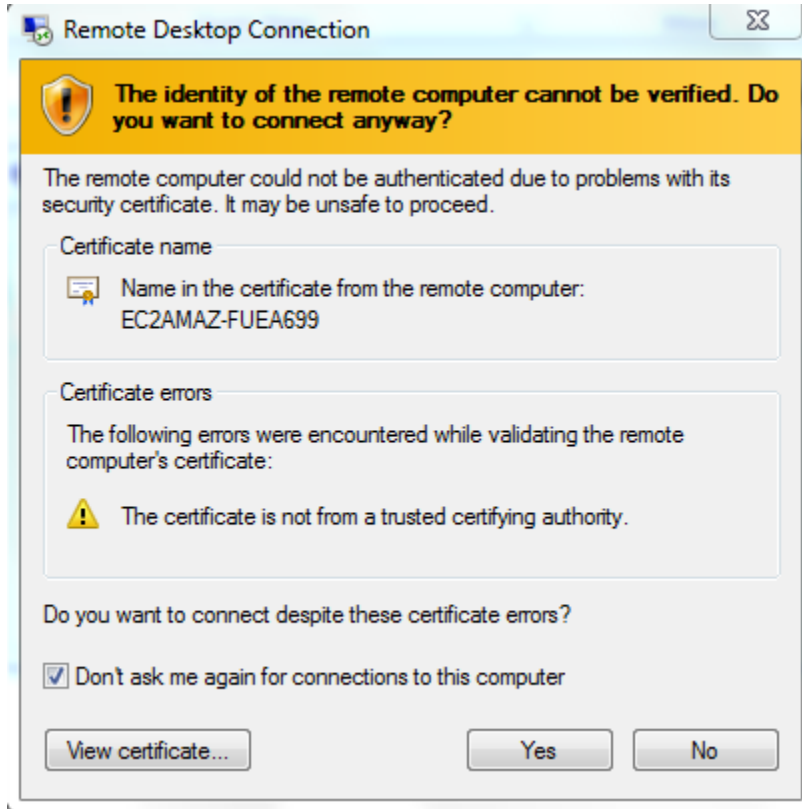
If you need any assistance connecting to your instance, please see our [connection documentation](#).

Login to server by using above login credentials.

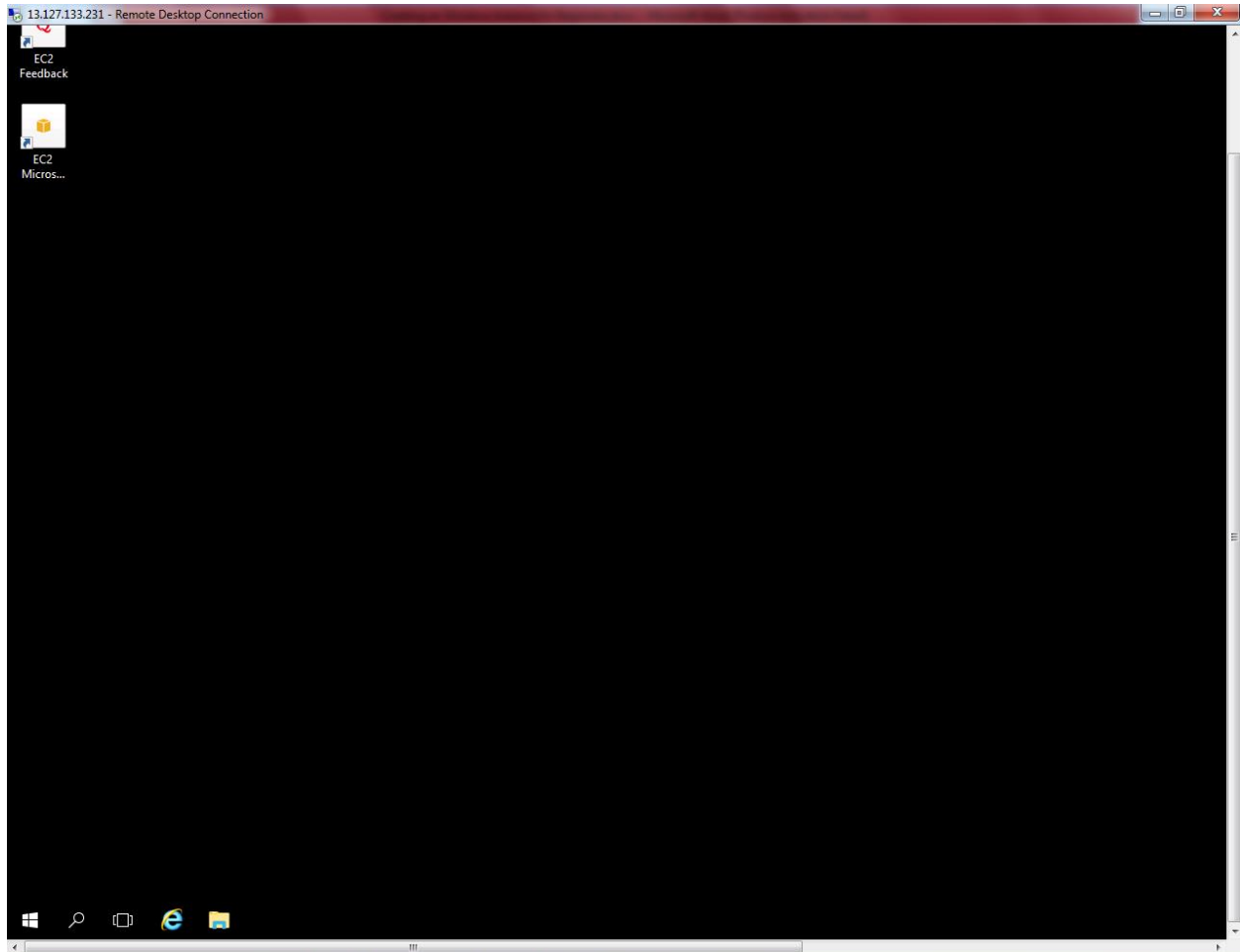




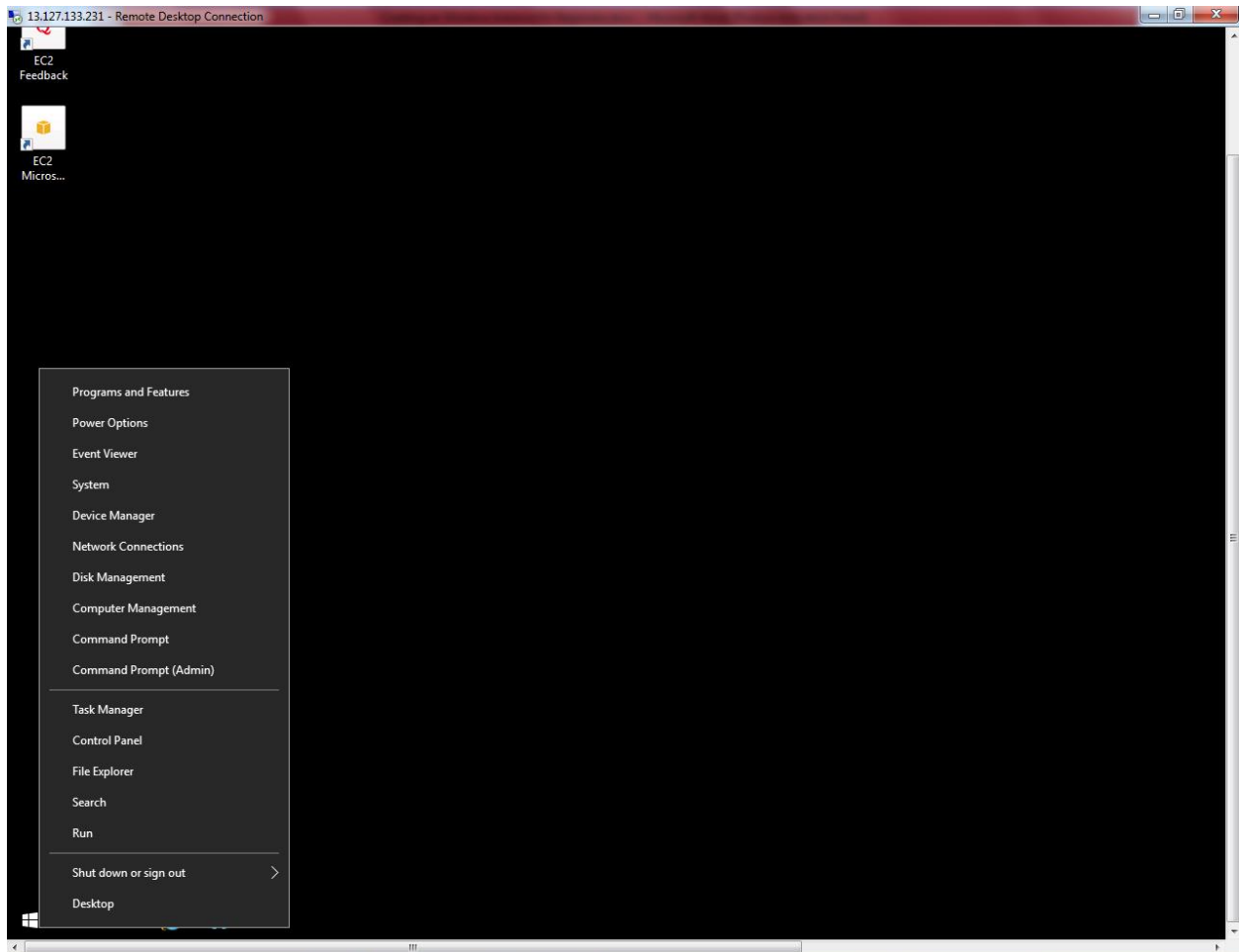
While try to login, security certificate prompts click “Yes”.



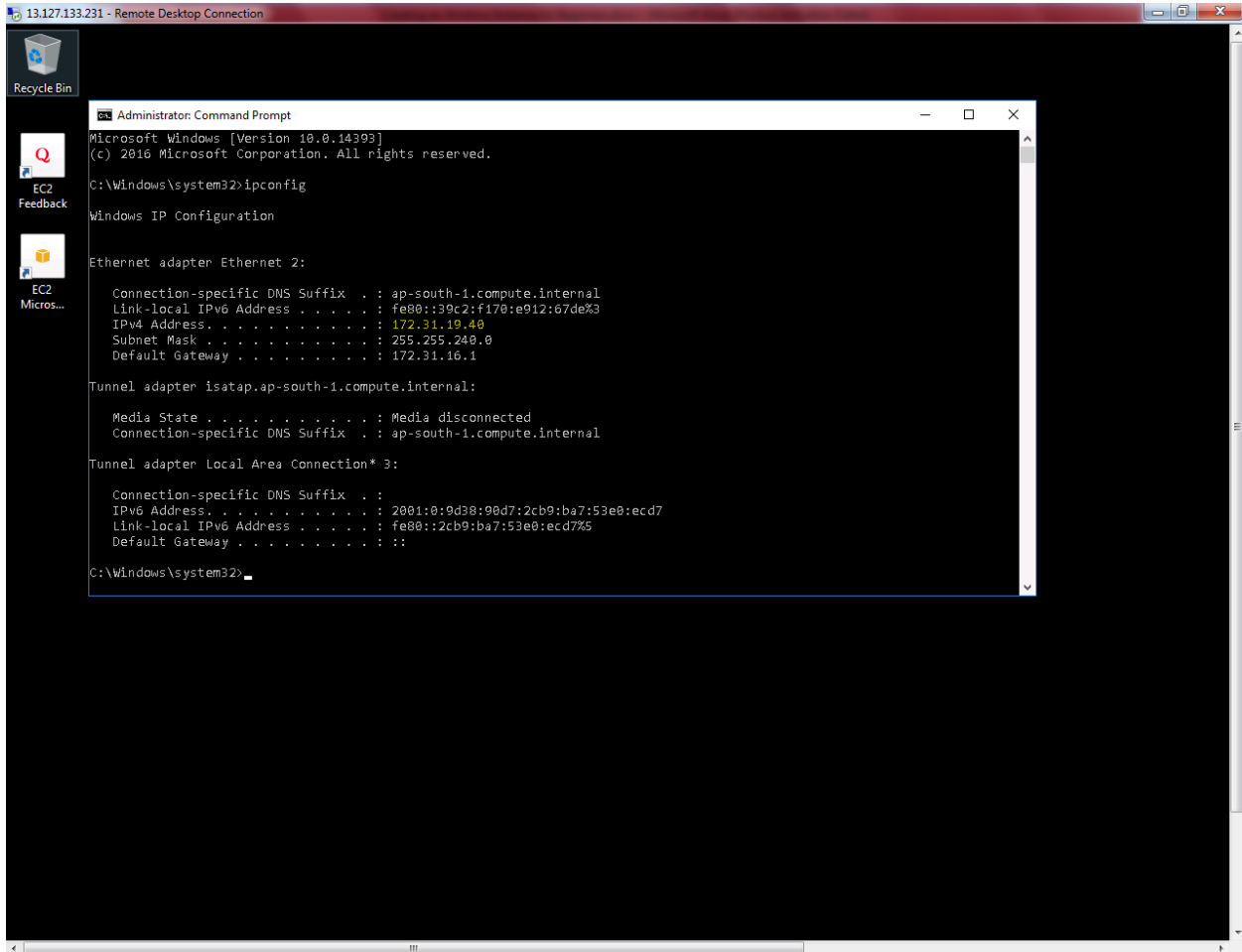
Now you have successfully login to the Windows 2016 Instance.



In start menu, right click then click command prompt (Admin).



In command prompt, type ipconfig to view the LAN ip address of the Windows 2016 server.



```
13.127.133.231 - Remote Desktop Connection

Administrator: Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Windows\system32>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . : ap-south-1.compute.internal
    Link-local IPv6 Address . . . . . : fe80::39c2:f170:e912:67de%3
    IPv4 Address. . . . . : 172.31.19.40
    Subnet Mask . . . . . : 255.255.240.0
    Default Gateway . . . . . : 172.31.16.1

Tunnel adapter isatap.ap-south-1.compute.internal:

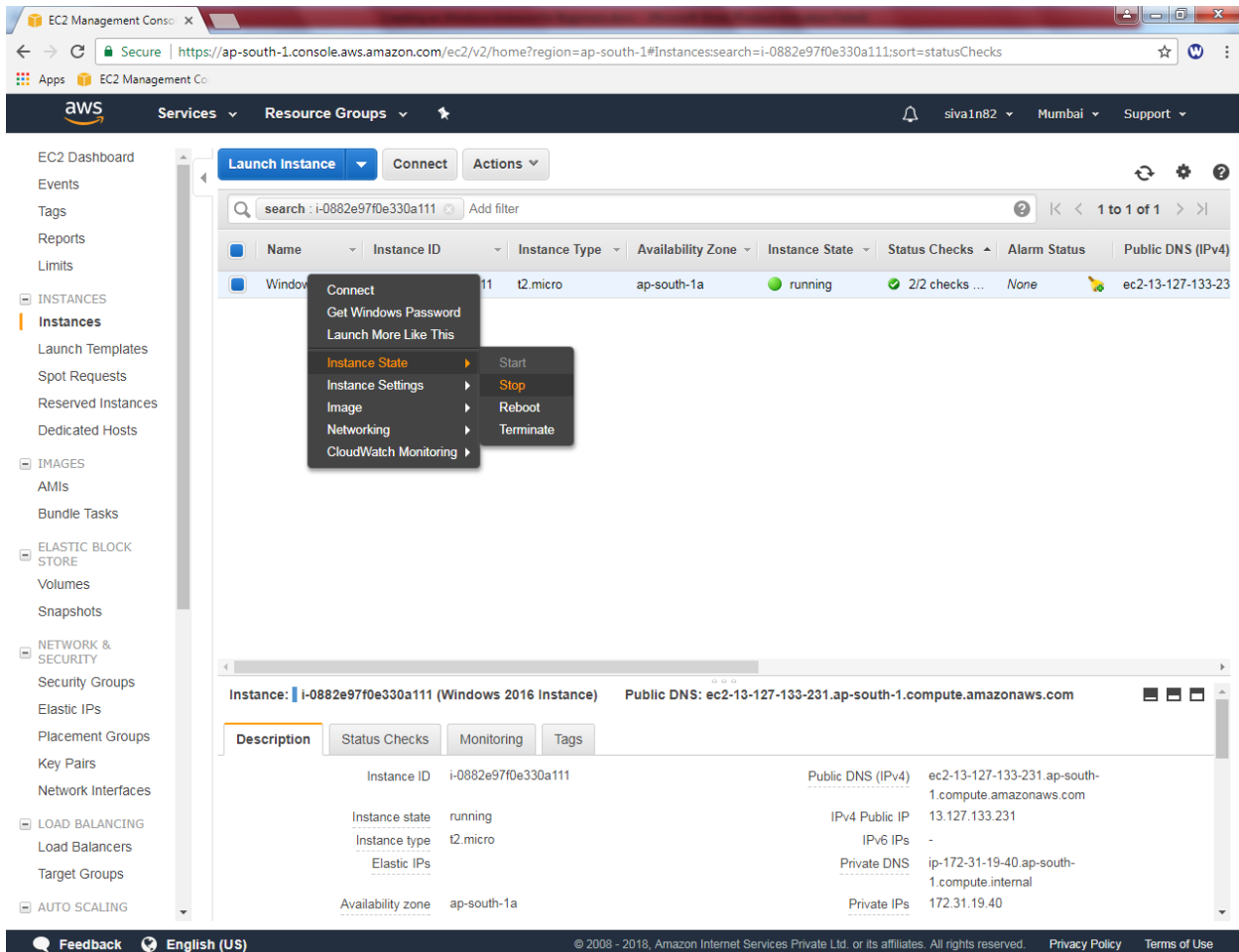
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : ap-south-1.compute.internal

Tunnel adapter Local Area Connection* 3:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2001:0:9d38:98d7:2cb9:ba7:53e0:ecd7
    Link-local IPv6 Address . . . . : fe80::2cb9:ba7:53e0:ecd7%5
    Default Gateway . . . . . :

C:\Windows\system32>
```

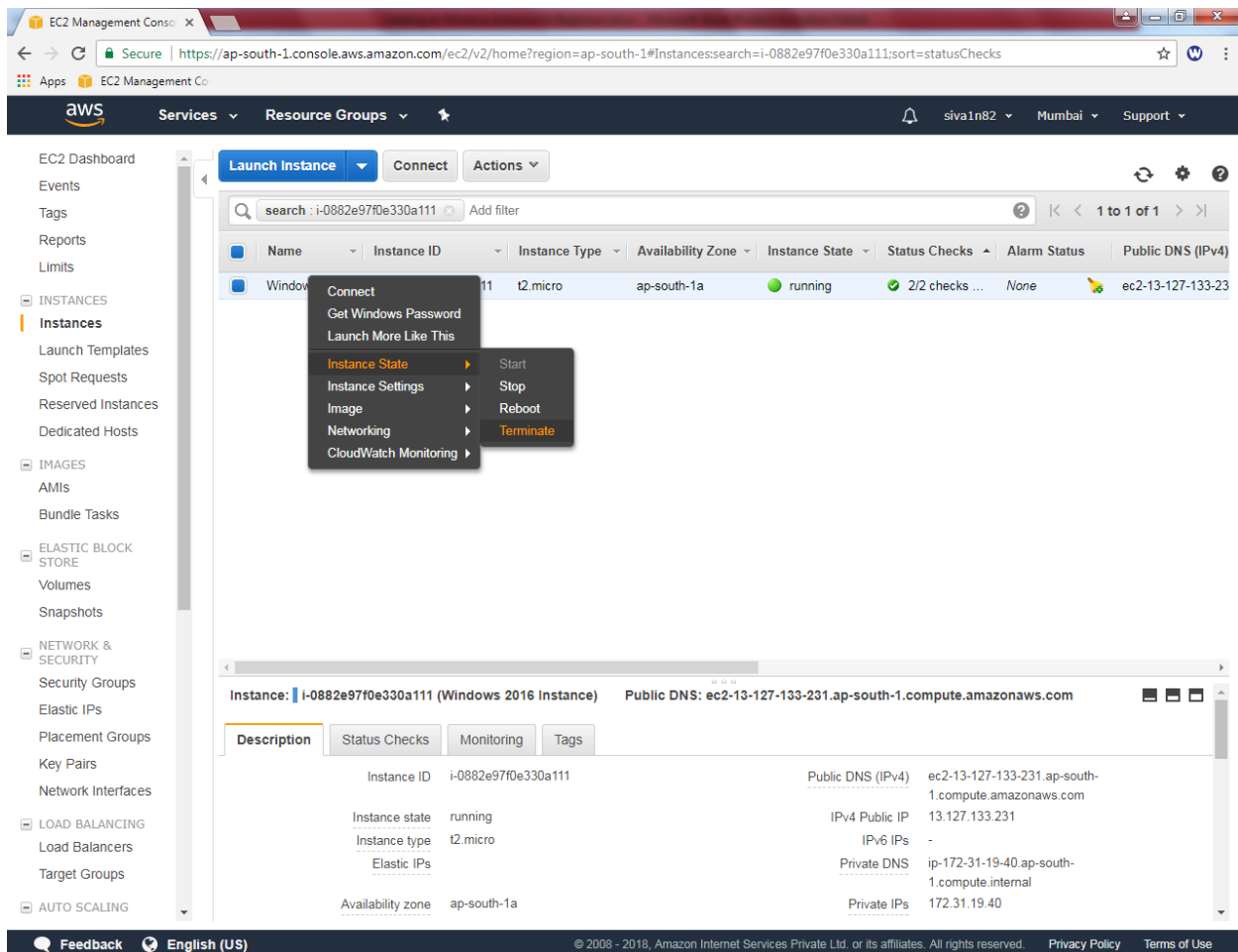
If you need to shut down the instance for later use click Instance state → Stop. (Public IP address will not change if you restart the instance. If you stop the instance public ip will change.



The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, INSTANCES (selected), Launch Templates, Spot Requests, Reserved Instances, Dedicated Hosts, IMAGES, AMIs, Bundle Tasks, ELASTIC BLOCK STORE, Volumes, Snapshots, NETWORK & SECURITY, Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces, LOAD BALANCING, Load Balancers, Target Groups, and AUTO SCALING. The main content area displays a list of EC2 instances. A dropdown menu is open for the instance 'Windows', showing options: Connect, Get Windows Password, Launch More Like This, Instance State (selected), Instance Settings, Image, Networking, and CloudWatch Monitoring. The 'Instance State' sub-menu is open, showing: Start, Stop (highlighted), Reboot, and Terminate. Below the instance list, the details for instance 'i-0882e97f0e330a111' (Windows 2016 Instance) are shown, including its Public DNS: ec2-13-127-133-231.ap-south-1.compute.amazonaws.com. The details section includes tabs for Description, Status Checks, Monitoring, and Tags. The Description tab is active, showing instance details like Instance ID, Instance state, Instance type, Elastic IPs, Availability zone, Public DNS (IPv4), IPv4 Public IP, IPv6 IPs, Private DNS, and Private IPs.

Instance ID	Instance state	Instance type	Elastic IPs	Availability zone	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Private DNS	Private IPs
i-0882e97f0e330a111	running	t2.micro		ap-south-1a	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com	13.127.133.231	-	ip-172-31-19-40.ap-south-1.compute.internal	172.31.19.40

Otherwise, click Instance state → Terminate to shut down the server and then delete it.



The screenshot shows the AWS Management Console for the EC2 service. The left sidebar contains navigation links for various AWS services. The main content area displays a list of EC2 instances. A context menu is open for the instance with ID i-0882e97f0e330a111, showing options like Connect, Get Windows Password, Launch More Like This, Instance State, Instance Settings, Image, Networking, and CloudWatch Monitoring. The 'Instance State' sub-menu is expanded, showing options: Start, Stop, Reboot, and Terminate. Below the instance list, the details for the selected instance are shown, including its ID, state (running), type (t2.micro), and availability zone (ap-south-1a).

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Window	i-0882e97f0e330a111	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-127-133-23

Instance: **i-0882e97f0e330a111 (Windows 2016 Instance)** Public DNS: **ec2-13-127-133-231.ap-south-1.compute.amazonaws.com**

Description		Status Checks	Monitoring	Tags
Instance ID	i-0882e97f0e330a111	Public DNS (IPv4)	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com	
Instance state	running	IPv4 Public IP	13.127.133.231	
Instance type	t2.micro	IPv6 IPs	-	
Elastic IPs		Private DNS	ip-172-31-19-40.ap-south-1.compute.internal	
Availability zone	ap-south-1a	Private IPs	172.31.19.40	