

# Lab -1

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

Click “Launch instance”.

The screenshot displays the AWS Management Console interface for the EC2 service. The left-hand navigation pane lists various EC2-related categories such as 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 prominent blue banner promotes EC2 Spot instances. Below this, the 'Create Instance' section is visible, with the 'Launch Instance' button highlighted in yellow. The 'Service Health' section indicates that the Asia Pacific (Mumbai) service is operating normally. The 'Scheduled Events' section shows no events. The right-hand sidebar contains 'Account Attributes' and 'Additional Information' links.

Select “Microsoft Windows Server 2016 Base”.

The screenshot shows the AWS Management Console interface for the 'Launch Instance Wizard'. The browser address bar shows the URL: <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard>. The console header includes the AWS logo, navigation tabs (Services, Resource Groups), and user information (siva1n82, Mumbai, Support).

The wizard progress bar shows seven steps: 1. Choose AMI (active), 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review.

**Step 1: Choose an Amazon Machine Image (AMI)**

On the right, there is a 'Cancel and Exit' link.

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. [Select]
- 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. [Select]

A promotional banner for Amazon RDS is displayed:

**Are you launching a database instance? Try Amazon RDS.** (Hide)

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](#)

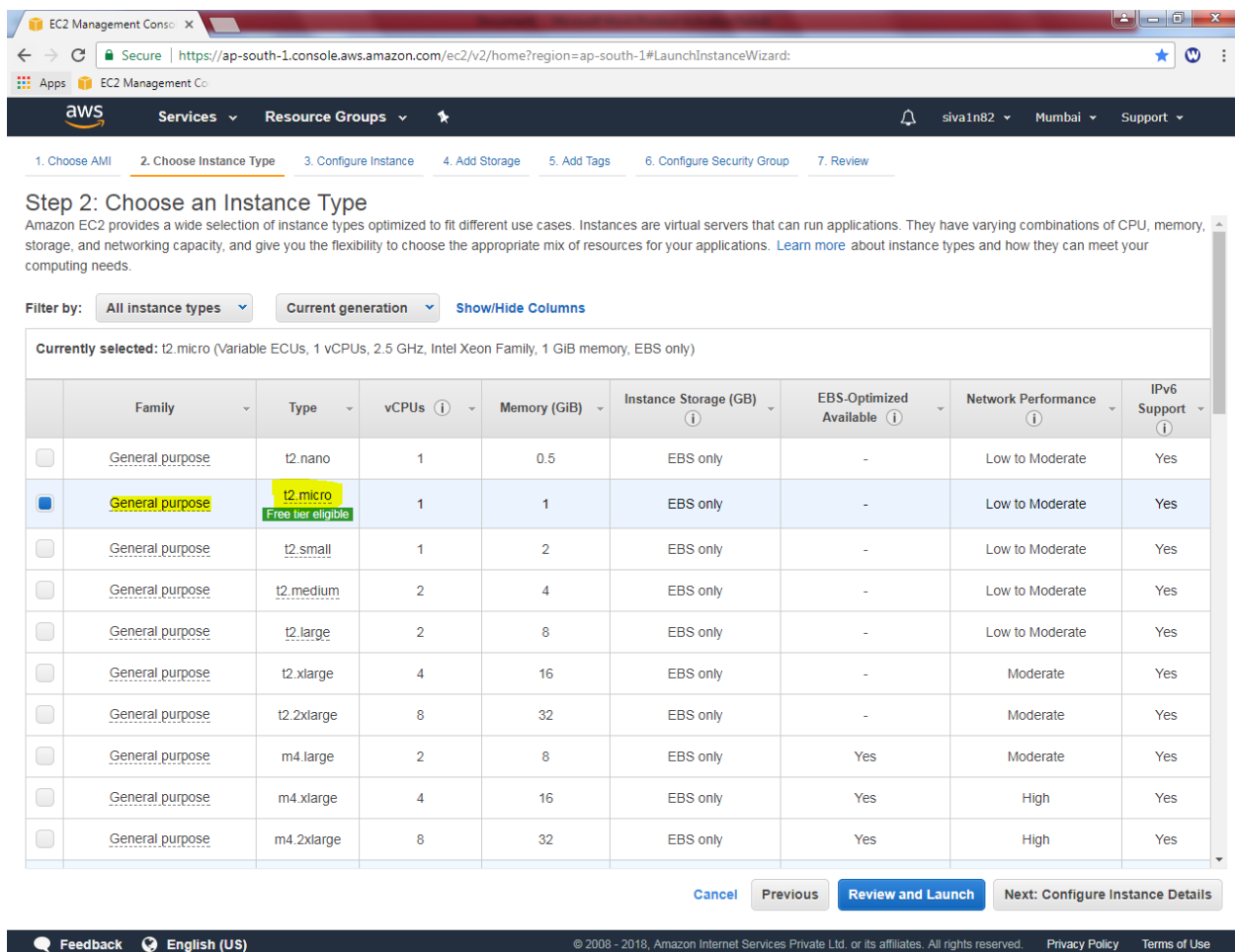
[Launch a database using RDS]

Below the banner, the **Microsoft Windows Server 2016 Base** - ami-ad8addc2 is highlighted. It is a Windows (Free tier eligible) AMI, Microsoft Windows 2016 Datacenter edition. [English]. Root device type: ebs, Virtualization type: hvm. 64-bit. [Select]

At the bottom, the **Deep Learning AMI (Ubuntu)** - ami-27e8a148 is listed. It is a (Free tier eligible) AMI, Latest versions of deep learning frameworks pre-installed in separate virtual environments: MXNet, TensorFlow, Caffe2, PyTorch, Theano, CNTK, Keras. 64-bit. [Select]

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



EC2 Management Console

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

Apps EC2 Management Console

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 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 Free tier eligible	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

Feedback English (US)

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Click “Next”.

Leave the settings default and click “Next”.

The screenshot shows the AWS Management Console interface for the 'Configure Instance Details' step. The breadcrumb navigation at the top indicates the sequence: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance (highlighted), 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The main heading is 'Step 3: Configure Instance Details', followed by a brief instruction: '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.'

The configuration options are as follows:

- Number of Instances:** A text input field containing '1'. A link 'Launch into Auto Scaling Group' is available.
- Purchasing option:** A checkbox for 'Request Spot Instances' is currently unchecked.
- Network:** A dropdown menu shows 'vpc-a655a2ce (default)'. A 'Create new VPC' link is present.
- Subnet:** A dropdown menu shows 'No preference (default subnet in any Availability Zone)'. A 'Create new subnet' link is present.
- Auto-assign Public IP:** A dropdown menu shows 'Use subnet setting (Enable)'.
- IAM role:** A dropdown menu shows 'None'. A 'Create new IAM role' link is present.
- Shutdown behavior:** A dropdown menu shows 'Stop'.
- Enable termination protection:** A checkbox for 'Protect against accidental termination' is unchecked.
- Monitoring:** A checkbox for 'Enable CloudWatch detailed monitoring' is unchecked, with a note 'Additional charges apply.'
- Tenancy:** A dropdown menu shows 'Shared - Run a shared hardware instance'. A note below states 'Additional charges will apply for dedicated tenancy.'
- T2 Unlimited:** A checkbox for 'Enable' is unchecked, with a note 'Additional charges may apply'.

Below these options is a section for 'Advanced Details' which is currently collapsed. At the bottom right, there are four buttons: 'Cancel', 'Previous', 'Review and Launch' (highlighted in blue), and 'Next: Add Storage'.

The footer of the console includes a 'Feedback' link, the language 'English (US)', a copyright notice '© 2008 - 2018, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', and links for 'Privacy Policy' and 'Terms of Use'.

Click “Next”.

Leave the default settings and Click “Next”.

The screenshot shows the AWS Management Console interface for the EC2 Launch Wizard. The browser address bar indicates the URL: <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:>. The console header shows the AWS logo, navigation tabs (Services, Resource Groups), and user information (siva1n82, Mumbai, Support).

The wizard progress bar shows seven 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 wizard, there are four buttons: [Cancel](#), [Previous](#), [Review and Launch](#) (highlighted in blue), and [Next: Add Tags](#).

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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 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 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](#)

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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

Microsoft Windows Server 2016 Base - ami-ad8addc2

Free tier eligible

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

Edit AMI

▼ 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

Edit instance type

▼ 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	

Edit security groups

▶ Instance Details

Edit instance details

Cancel

Previous

Launch

Feedback

English (US)

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Click "Launch".

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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”.

Now you have created the instance successfully.

The screenshot shows the AWS Management Console interface. At the top, the browser address bar displays the URL: <https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:>. The console header includes the AWS logo, navigation tabs for Services, Resource Groups, and a user profile section with the name 'siva1n82' and location 'Mumbai'. 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 link to 'View launch log'. A blue information box below the success message says 'Get notified of estimated charges' and provides instructions on creating billing alerts. The section 'How to connect to your instances' follows, explaining that instances will be in the 'running' state and providing a link to 'View Instances' to monitor their status. A list of helpful resources is provided, including 'Amazon EC2: User Guide', 'Amazon EC2: Microsoft Windows Guide', 'Amazon EC2: Discussion Forum', 'How to connect to your Windows instance', and 'Learn about AWS Free Usage Tier'. At the bottom of the main content area, there are links for 'Create status check alarms', 'Create and attach additional EBS volumes', and 'Manage security groups'. A blue 'View Instances' button is located at the bottom right of the console area. The footer contains a 'Feedback' link, the language 'English (US)', and copyright information for Amazon Internet Services Private Ltd.

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

### Launch Status

✓ **Your instances are now launching**  
The following instance launches have been initiated: **i-0882e97f0e330a111** [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

- [Amazon EC2: User Guide](#)
- [Amazon EC2: Microsoft Windows Guide](#)
- [Amazon EC2: Discussion Forum](#)
- [How to connect to your Windows instance](#)
- [Learn about AWS Free Usage Tier](#)

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](#)

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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 interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar lists various AWS services, with 'INSTANCES' selected. The main content area shows a list of EC2 instances. One instance, 'Windows 20...', with ID 'i-0882e97f0e330a111', is shown in a 'running' state with '2/2 checks' passed. Below the list, a detailed view of the selected instance is shown, including its description, status checks, monitoring, and tags. The instance is a 'Windows 2016 Instance' in the 'ap-south-1a' availability zone. The public DNS is 'ec2-13-127-133-231.ap-south-1.compute.amazonaws.com' and the public IP is '13.127.133.231'. The private DNS is 'ip-172-31-19-40.ap-south-1.compute.internal' and the private IP is '172.31.19.40'.

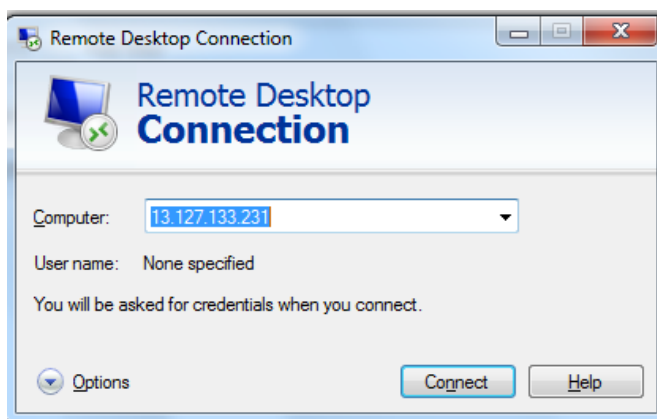
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Windows 20...	i-0882e97f0e330a111	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-127-133-231

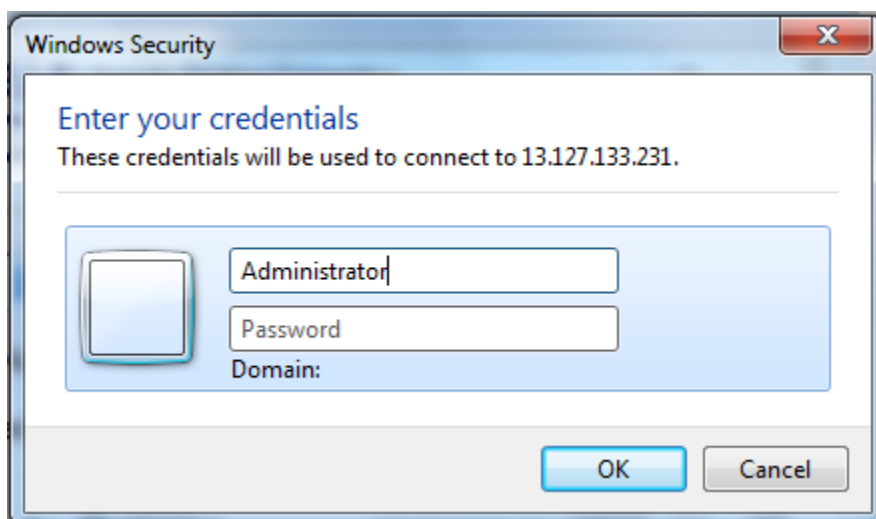
Instance: i-0882e97f0e330a111 (Windows 2016 Instance)		Public DNS: ec2-13-127-133-231.ap-south-1.compute.amazonaws.com	
Description	Status Checks	Monitoring	Tags
Instance ID	i-0882e97f0e330a111	Public DNS (IPv4)	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com
Instance state	running	IPv4 Public IP	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

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 'Connect' button is highlighted in yellow. Below the table, the details for the selected instance (i-0882e97f0e330a111) are shown, including its state (running), type (t2.micro), and public DNS (ec2-13-127-133-231.ap-south-1.compute.amazonaws.com).

EC2 Management Console

Search: i-0882e97f0e330a111

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	ec2-13-127-133-231

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

Description

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

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:

Public DNS	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com
User name	Administrator
Password	<div>Get Password</div>

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.

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	<div>Choose File</div> 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-----
MIIEEwIBAAKCAQEAgj+h2SSjdteK5CwM3CnlHtf/5xMKVBKXNmifwc3v70wZ1PieR9VhcKq6ok
zzQQ9u+QH3QF5RaxXNc2ELM+WQWdc2cHXH081YepMOU+HQUphOHv+ZOOMZI54MmiXXGjsHH
EuZw0
vIZMJPz6Spw8svcxYVhK4SWxYosY3x9W+pXAKTefncS7PVzmE0mancrERfXc4mmF9tCv5HI9suOj
tIBpOaaRY4kBdtZnrodfggQ3khs4HIGmuScSTdQL7FiBbXhl8N1embi93Arcm8YJMPA/xQZYHglJ
-----
```

Decrypt Password

Back

Close

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:

Download Remote Desktop File

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

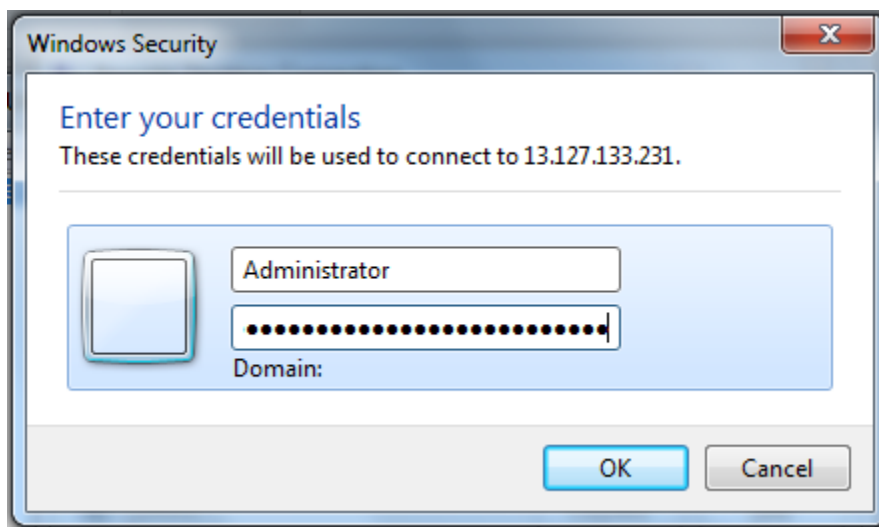
**Password** ObeifKpZe4IESPELjbEWA-xq5CxcgDwz

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](#).

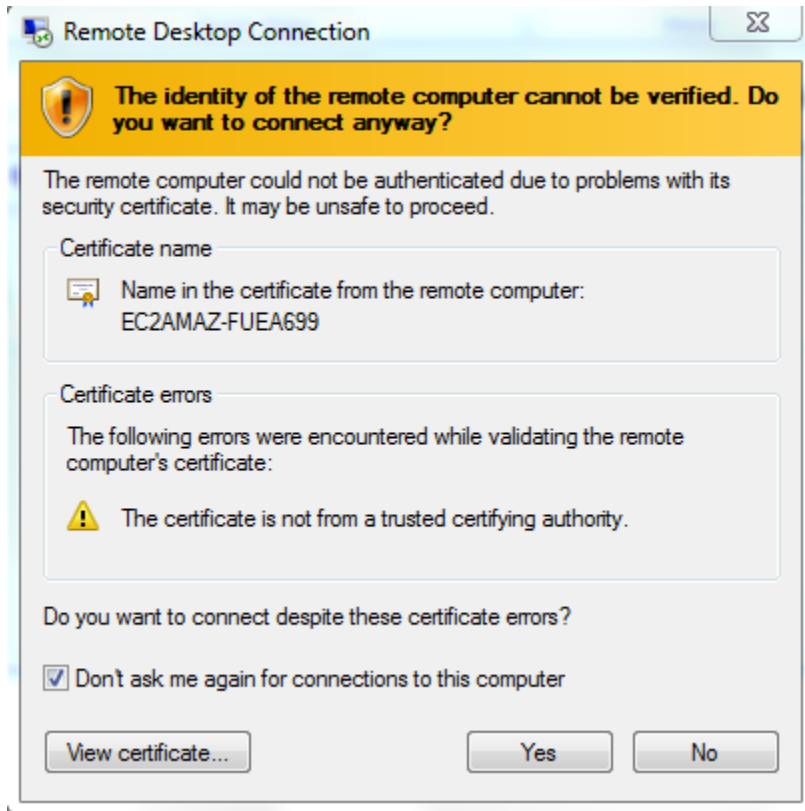
Close

Login to server by using above login credentials.

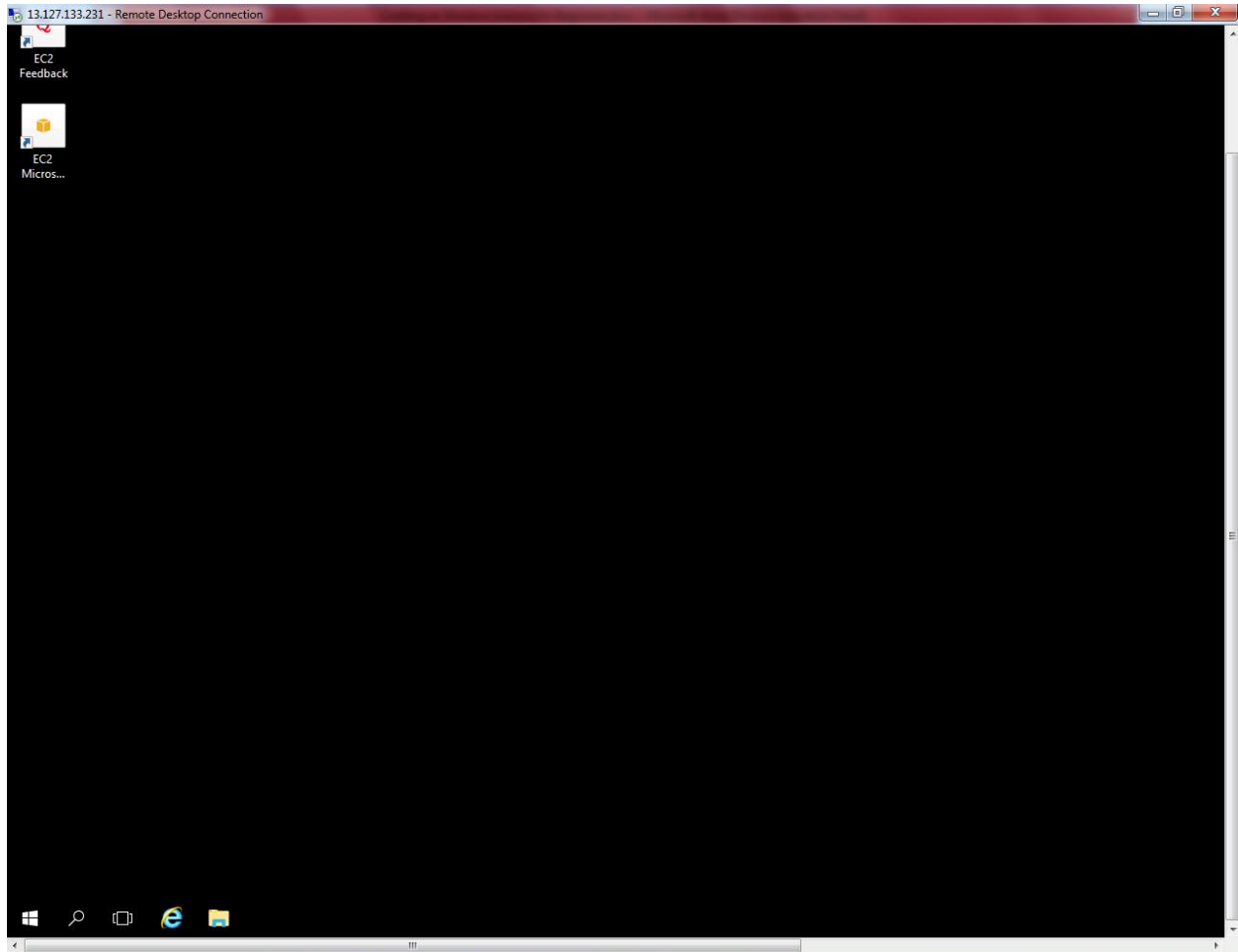




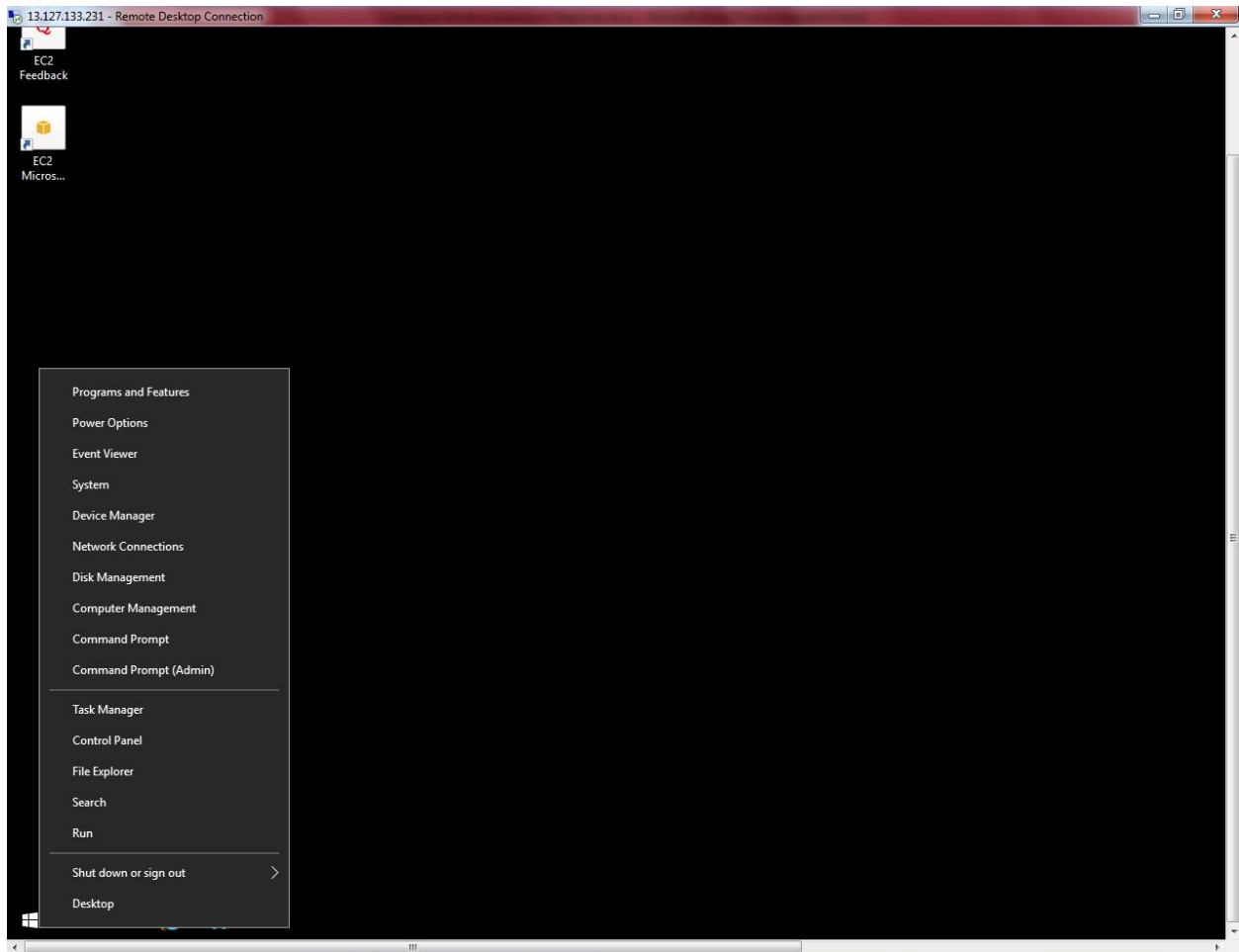
While try to login, security certificate prompts click “Yes”.



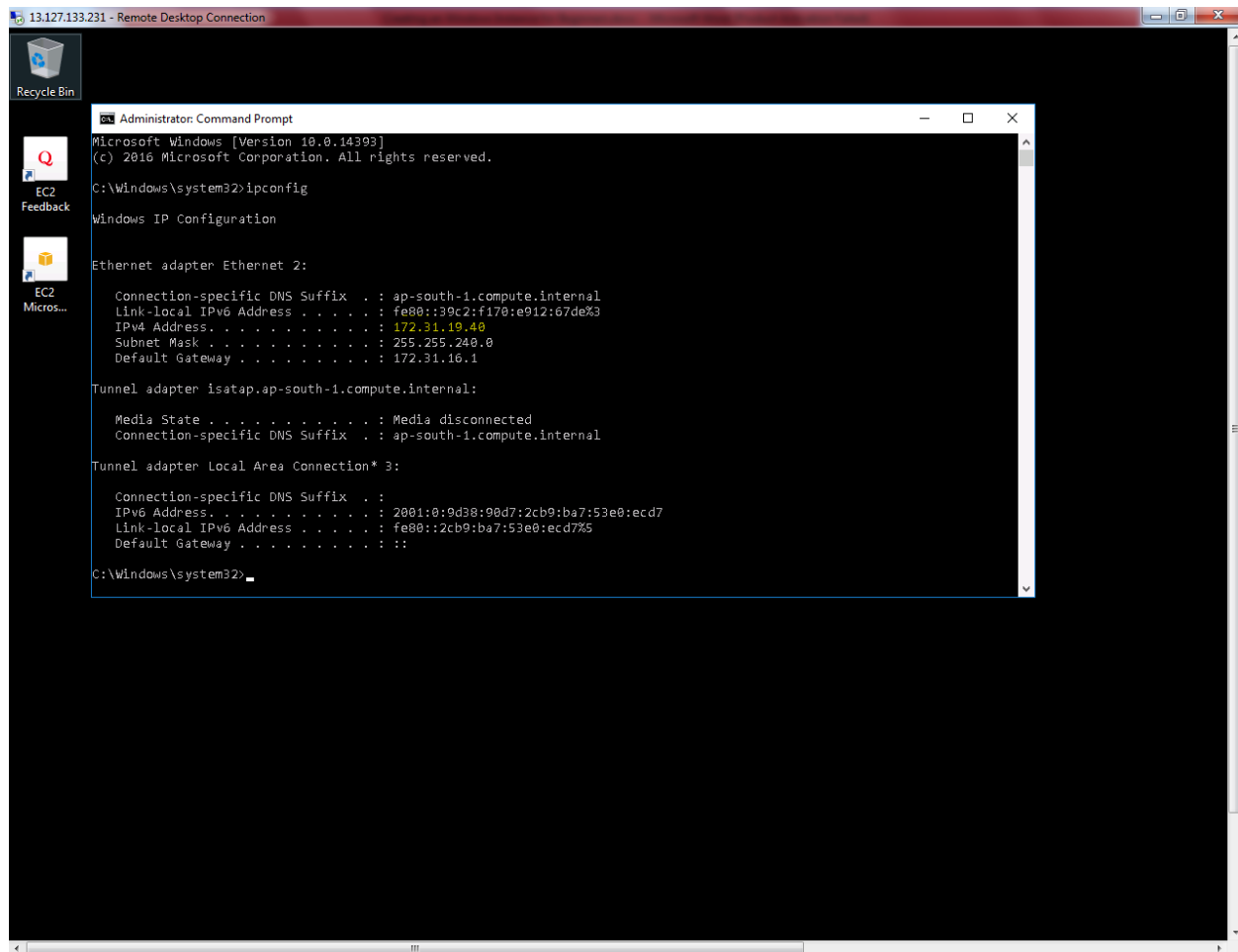
Now you have successfully login to the Windows 2016 Instance.



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]
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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. On the left is a navigation sidebar with categories like INSTANCES, IMAGES, ELASTIC BLOCK STORE, NETWORK & SECURITY, LOAD BALANCING, and AUTO SCALING. The main area displays a list of EC2 instances. A context menu is open over the first instance, showing options like Connect, Get Windows Password, Launch More Like This, Instance State (with a sub-menu), Instance Settings, Image, Networking, and CloudWatch Monitoring. The sub-menu for Instance State is open, showing Start, Stop, Reboot, and Terminate. Below the instance list, the details for instance i-0882e97f0e330a111 are shown, including its state (running), type (t2.micro), and various IP addresses.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Windows	i-0882e97f0e330a111	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-127-133-231

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

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

The screenshot shows the AWS Management Console interface for an EC2 instance. The instance is named 'Windows' with ID 'i-0882e97f0e330a111', running on a 't2.micro' instance type in the 'ap-south-1a' availability zone. The instance state is 'running'. The 'Instance State' menu is open, showing options: Start, Stop, Reboot, and Terminate (highlighted in orange). The 'Public DNS (IPv4)' is 'ec2-13-127-133-231.ap-south-1.compute.amazonaws.com'.

Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
i-0882e97f0e330a111	t2.micro	ap-south-1a	running	2/2 checks ...	None	ec2-13-127-133-231.ap-south-1.compute.amazonaws.com

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