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The image shows two screenshots of the AWS Management Console. The top screenshot displays the EC2 Dashboard with various widgets: 'Launch instance' (with a 'Launch Instance' button), 'Service health' (showing 'This service is operating normally'), 'Zones' (a table of availability zones), 'Scheduled events', and 'Explore AWS' (with links to AWS Graviton2, Amazon GuardDuty, and Spot Instances). The bottom screenshot shows the 'Launch an instance' wizard. The 'Name and tags' section has 'MyInstance' entered. The 'Application and OS Images (Amazon Machine Image)' section shows 'Amazon Linux 2 Kernel 5.10 AMI' selected. The 'Virtual server type (instance type)' is 't2.micro'. The 'Firewall (security group)' is 'New security group'. The 'Storage (volumes)' is '1 volume(s) - 8 GiB'. A 'Free tier' notification is visible. The 'Launch Instance' button is highlighted.

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name: MyInstance

Application and OS Images (Amazon Machine Image)

Amazon Linux 2 Kernel 5.10 AMI

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Summary

Number of instances: 1

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro) in the Amazon Free tier.

Launch Instance

EC2 Management Console | Assignment Afternoon Batch Ad... | us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances

Search

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat S

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type
ami-0557a15b87f6559cf (64-bit (x86)) / ami-0f9bd9098aca2d42b (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-02-08

Architecture

AMI ID

64-bit (x86) ami-0557a15b87f6559cf

Free tier eligible

Verified provider

Summary

Number of instances

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more
ami-0557a15b87f6559cf

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 for 13.micro in the ...read more

Cancel Launch Instance

Feedback Language

demo1.pem

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EC2 Management Console | Assignment Afternoon Batch Ad... | us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances

Search

Instance type

t2.micro

Key pair (login)

Key pair name - required

Network settings

Create key pair

Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. 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](#)

Key pair name

demo

The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA
RSA encrypted private and public key pair

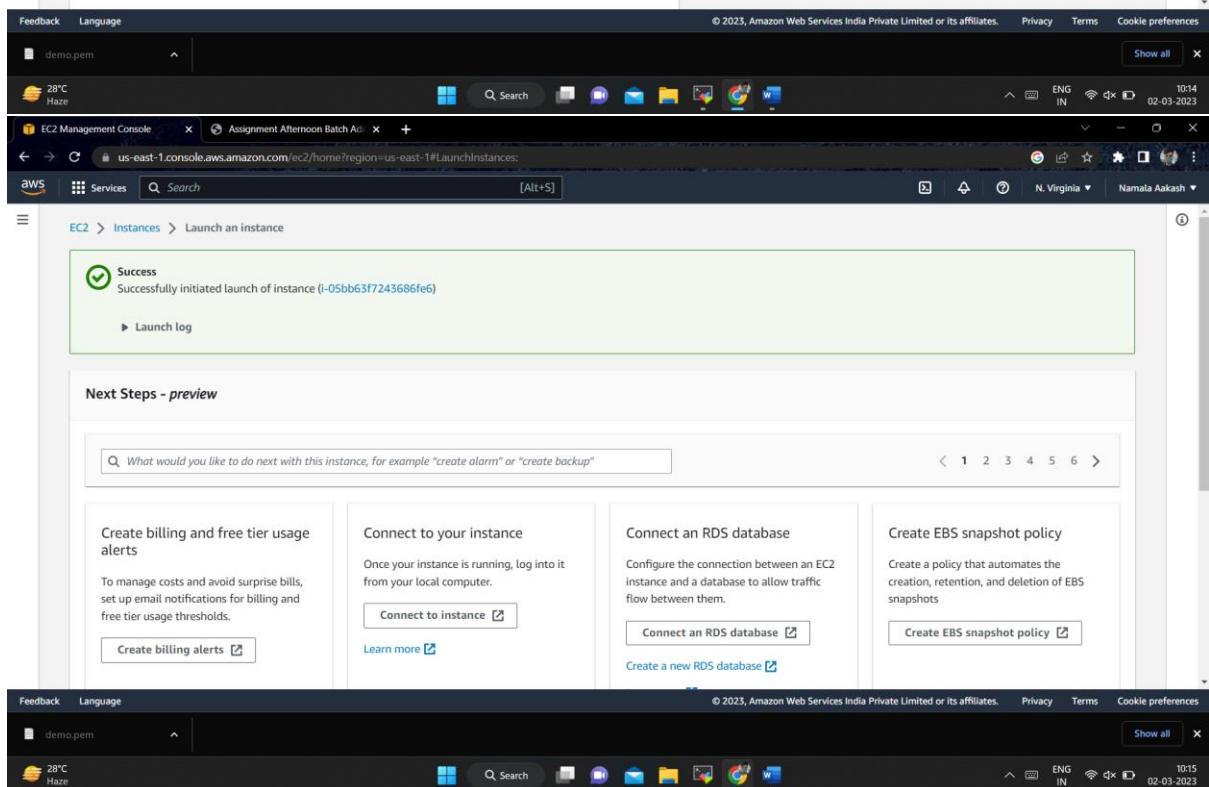
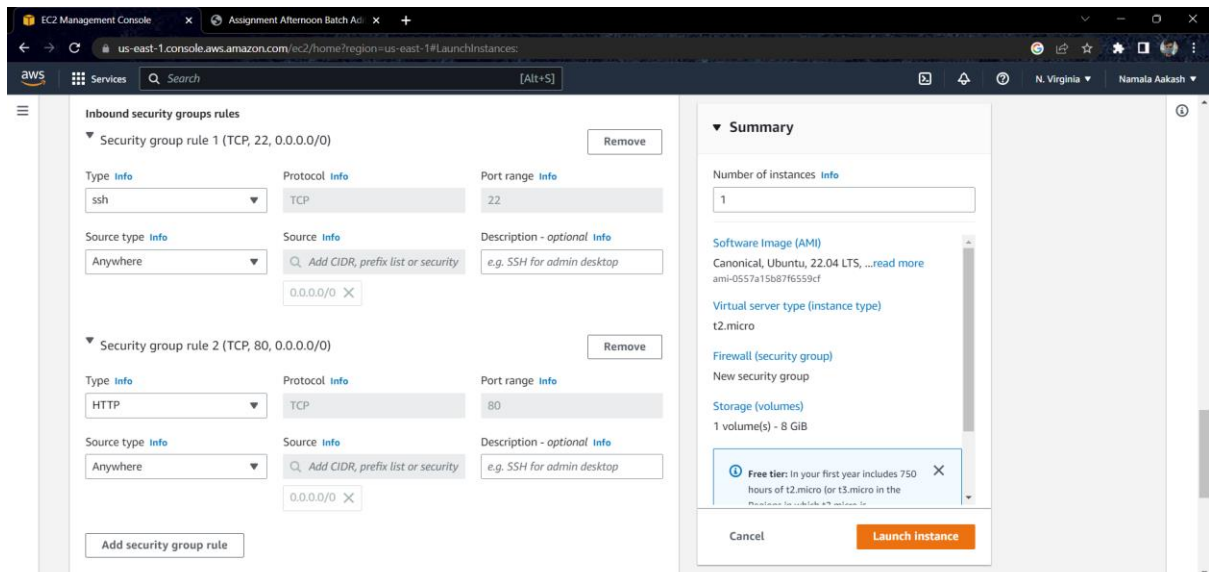
☐ ED25519
ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

☒ .pem
For use with OpenSSH

☐ .ppk
For use with PuTTY

Cancel Create key pair



EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

Services Search [Alt+S]

New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Tags
Limits

▼ Instances

Instances

Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

▼ Images

AMIs

Instances (2) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
MyInstance	i-05bb63f7243686fe6	Running	t2.micro	Initializing	No alarms +	us-east-1a	ec2-35-170-245-

Select an instance

Feedback Language

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demo.pem Show all

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Connect to instance | EC2 Manu... Assignment Afternoon Batch Ad...

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstance:instanceId=i-05bb63f7243686fe6

Services Search [Alt+S]

EC2 > Instances > i-05bb63f7243686fe6 > Connect to instance

Connect to instance Info

Connect to your instance i-05bb63f7243686fe6 (MyInstance) using any of these options

EC2 Instance Connect Session Manager **SSH client** EC2 serial console

Instance ID

i-05bb63f7243686fe6 (MyInstance)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is demo.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 demo.pem
4. Connect to your instance using its Public DNS:
ec2-35-170-245-183.compute-1.amazonaws.com

Example:

```
ssh -i "demo.pem" ubuntu@ec2-35-170-245-183.compute-1.amazonaws.com
```

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

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demo.pem Show all

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```
ubuntu@ip-172-31-86-241: ~  
C:\Users\Aakash007>cd Downloads  
  
C:\Users\Aakash007\Downloads>ssh -i "demo.pem" ubuntu@ec2-35-170-245-183.compute-1.amazonaws.com  
The authenticity of host 'ec2-35-170-245-183.compute-1.amazonaws.com (35.170.245.183)' can't be established.  
ED25519 key fingerprint is SHA256:Baiz06TMhJFi/LYrPtp1xq6PCsz2zN5Fc6k7WJnNMZk.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'ec2-35-170-245-183.compute-1.amazonaws.com' (ED25519) to the list of known hosts.  
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
System information as of Thu Mar  2 04:49:00 UTC 2023  
  
System load:  0.05078125      Processes:            111  
Usage of /:   19.8% of 7.57GB  Users logged in:     0  
Memory usage: 19%            IPv4 address for eth0: 172.31.86.241  
Swap usage:   0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ubuntu@ip-172-31-86-241:~$ ls  
ubuntu@ip-172-31-86-241:~$ pwd  
/home/ubuntu  
ubuntu@ip-172-31-86-241:~$ |
```

```
ubuntu@ip-172-31-86-241: ~$ pwd
/home/ubuntu
ubuntu@ip-172-31-86-241: ~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [938 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [203 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [13.6 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [680 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [106 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [584 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [874 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [171 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [17.8 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [9696 B]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [694 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [110 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [13.4 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [240 B]
Fetched 26.1 MB in 5s (5707 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
36 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-86-241: ~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  javascript-common libc-ares2 libjs-highlight.js libnode72 nodejs-doc
Suggested packages:
  apache2 | lighttpd | httpd npm
The following NEW packages will be installed:
  javascript-common libc-ares2 libjs-highlight.js libnode72 nodejs nodejs-doc
0 upgraded, 6 newly installed, 0 to remove and 36 not upgraded.
Need to get 13.7 MB of archives.
After this operation, 53.9 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```



```
ubuntu@ip-172-31-86-241: ~  
Unpacking nodejs (12.22.9~dfsg-1ubuntu3) ...  
Setting up javascript-common (11+nmu1) ...  
Setting up libc-ares2:amd64 (1.18.1-1build1) ...  
Setting up libnode72:amd64 (12.22.9~dfsg-1ubuntu3) ...  
Setting up libjs-highlight.js (9.18.5+dfsg1-1) ...  
Setting up nodejs (12.22.9~dfsg-1ubuntu3) ...  
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode  
Setting up nodejs-doc (12.22.9~dfsg-1ubuntu3) ...  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...  
Scanning processes...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.  
  
No services need to be restarted.  
  
No containers need to be restarted.  
  
No user sessions are running outdated binaries.  
  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
ubuntu@ip-172-31-86-241:~$ node -v  
v12.22.9  
ubuntu@ip-172-31-86-241:~$ |
```

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Search

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10:24
02-03-2023