

# How To Create EC2 Instance

Click the button launch

The screenshot shows the AWS EC2 'Launch an instance' wizard. The top navigation bar includes the AWS logo, search bar, and account information (Account ID: 7610-1888-6828, United States (N. California), nikitaarundange). The main content area has a breadcrumb trail: EC2 > Instances > Launch an instance. The first step, 'Name and tags', shows a 'Name' field containing 'first server' and a 'Add additional tags' link. The second step, 'Application and OS Images (Amazon Machine Image)', shows a search bar with placeholder text 'Search our full catalog including 1000s of application and OS images'. The third step, 'Summary', displays the configuration: 1 instance, Software Image (AMI) set to Amazon Linux 2023 AMI 2023.8.2..., Virtual server type (instance type) set to t2.micro, and Firewall (security group) set to New security group. At the bottom are 'Cancel', 'Launch instance', and 'Preview code' buttons.

After that create new key

This screenshot shows the continuation of the EC2 instance creation process. The 'Key pair (login)' step is shown, with a note about using a key pair for secure connection. It includes a 'Key pair name - required' dropdown set to 'Select' and a 'Create new key pair' button. The 'Network settings' step follows, featuring a 'Network' section with VPC ID 'vpc-04faa221633df9111', a 'Subnet' section indicating 'No preference (Default subnet in any availability zone)', and an 'Auto-assign public IP' section set to 'Enable'. The right side of the screen shows the 'Summary' step, which is identical to the one in the previous screenshot, confirming the instance details: 1 instance, AMI, instance type, security group, and the 'Launch instance' button.

# Create key

## Create key pair

**Key pair name**  
Key pairs allow you to connect to your instance securely.

first key

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

**Key pair type**

RSA  
RSA encrypted private and public key pair

ED25519  
ED25519 encrypted private and public key pair

**Private key file format**

.pem  
For use with OpenSSH

.ppk  
For use with PuTTY

[Cancel](#) [Create key pair](#)

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance ([i-0378133289972aae7](#))

▶ Launch log

**Next Steps**

Q What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6

**Create billing and free tier usage alerts**  
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds

**Connect to your instance**  
Once your instance is running, log into it from your local computer.

[Connect to instance](#)

**Connect an RDS database**  
Configure the connection between an EC2 instance and a database to allow traffic flow between them.

[Connect to RDS database](#)

**Create EBS snapshot policy**  
Create a policy that automates the creation, retention, and deletion of EBS snapshots

[Create EBS snapshot policy](#)

EC2 Instances

Instances (1) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm s
first server	i-0378133289972aae7	Running	t2.micro	Initializing	View al

Select an instance

EC2 Instances

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

Images

EC2 Instances

Instances (1/1) Info

IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	Monitoring	Security group name
4-183-8-75.us-we...	54.183.8.75	-	-	disabled	launch-wizard-2

i-0378133289972aae7 (first server)

Instance summary

Instance ID i-0378133289972aae7	Public IPv4 address 54.183.8.75   open address	Private IPv4 addresses 172.31.20.128
IPv6 address	Instance state	Public DNS

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EC2 Instances

Instances (1/1) Info

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4-183-8-75.us-we...	54.183.8.75	-	-	disabled	launch-wizard-2

i-0378133289972aae7 (first server)

Security details

IAM Role -	Owner ID 761018886828	Launch time Mon Sep 29 2025 21:22:13 GMT+0530 (India Standard Time)
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EC2 Instances

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Images

# Delete instance (Click on right button)

The screenshot shows the AWS EC2 Instances page. A context menu is open over an instance named 'i-0378133289972aae7 (first server)'. The 'Terminate (delete)' option is selected, opening a confirmation dialog titled 'Terminate (delete) instance'. The dialog contains the following text:

⚠️ On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?

Instance ID	Termination protection
i-0378133289972aae7 (first server)	Disabled

To confirm that you want to delete the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.

**Skip OS shutdown**  
This option skips the graceful OS shutdown process. Use only when your instance must be stopped immediately, such as during an emergency or failover.  
 Skip OS shutdown

Cancel      **Terminate (delete)**

The screenshot shows the AWS EC2 Instances page. A context menu is open over the same instance 'i-0378133289972aae7 (first server)'. The 'Stop instance' option is selected, opening a confirmation dialog titled 'Stop instance'. The dialog contains the following text:

Stopping your instance allows you to reduce costs, modify settings, and troubleshoot problems.

Instance ID	Stop protection
i-0378133289972aae7 (first server)	<input checked="" type="checkbox"/> Off (Can stop instance)

⚠️ You will be billed for associated resources  
After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated Elastic IP addresses and EBS volumes.

▶ Associated resources  
You will continue to incur charges for these resources while the instance is stopped

**Skip OS shutdown**  
This option skips the graceful OS shutdown process. Use only when your instance must be stopped immediately, such as during an emergency or failover.

Cancel      **Stop**

The screenshot shows the AWS EC2 Instances page. A context menu is open over the instance 'i-0378133289972aae7 (first server)'. The 'Start instance' option is highlighted. Other visible options in the menu include:

- Launch instances
- Launch instance from template
- Migrate a server
- Connect
- Stop instance
- Start instance
- Reboot instance
- Hibernate instance
- Terminate (delete) instance
- Instance diagnostics

The main EC2 Instances page shows the following details for the instance:

Instance state	Instance type	Status check	Alarms
Stopped	t2.micro	Initializing	View all

Details tab (selected):

- Instance ID: i-0378133289972aae7
- Image ID: ami-01018886828
- Launch time: Mon Sep 29 2025 21:22:13 GMT+0530

Security tab (selected):

- Security group: ring
- Networking
- Storage
- Tags

# Connect the EC2 Instance

```
Install the latest PowerShell for new features and improvements: https://aka.ms/PSWindows

PS C:\Users\Nikita> cd .\Downloads\
PS C:\Users\Nikita\Downloads> ssh -i "demokey.pem" ec2-user@ec2-44-201-13-97.compute-1.amazonaws.com
The authenticity of host 'ec2-44-201-13-97.compute-1.amazonaws.com (44.201.13.97)' can't be established.
ED25519 key fingerprint is SHA256:/MsNqxx8/8087Ut5NqhlVoA5HXTMesPHvyTHx2S3kZc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-44-201-13-97.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

          #_
 ~\_ #####_      Amazon Linux 2023
 ~~ \#####\_
 ~~   \###|
 ~~    \#/ ___  https://aws.amazon.com/linux/amazon-linux-2023
 ~~     \~' '-->
 ~~~      /
 ~~.-.  _/
 _/_/ _/
 _/m/'[ec2-user@ip-172-31-0-4 ~]$
```