

Installing Apache kafka on AWS EC2 Machine

- Creating free tier account on AWS
- Launch a EC2 instance
- generate Key Pair of EC2 instance

EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-0279f9f7cedea2374)

► Launch log

Next Steps

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.

Create billing alerts

Connect to your instance

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

Connect to instance

[Learn more](#)

Connect an RDS database

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

Connect an RDS database

[Create a new RDS database](#)

[Learn more](#)

- EC2 instance “**spark-project**” created successfully showing status “**Running**”.

Instances (1) [Info](#)

🔄

Connect

Instance state ▾

Actions ▾

Launch instances

🔍 Find instance by attribute or tag (case-sensitive)

< 1 >

<input type="checkbox"/>	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IP
<input type="checkbox"/>	spark-project	i-0279f9f7cedea2374	🟢 Running 🔍	t2.micro	🟢 2/2 checks passed	No alarms +	ap-northeast-1c	ec2-18-1

Connect to Ec2 instance through Windows 10, first you need to open command terminal and go to the directory where you save Ec2 instance key pair and establish SSH connection.

- Connect to Instance

Connect to instance [Info](#)

Connect to your instance i-0279f9f7cedea2374 (spark-project) using any of these options

EC2 Instance Connect



Session Manager

SSH client


EC2 serial console


Instance ID

 i-0279f9f7cedea2374 (spark-project)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is kafka-ec2-mongoDB-spark-project.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
 `chmod 400 kafka-ec2-mongoDB-spark-project.pem`
4. Connect to your instance using its Public DNS:
 `ec2-18-181-186-38.ap-northeast-1.compute.amazonaws.com`

Example:

 `ssh -i "kafka-ec2-mongoDB-spark-project.pem" ec2-user@ec2-18-181-186-38.ap-northeast-1.compute.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.

- Ec2 instance access by SSH client through your local host

```
ec2-user@ip-172-31-2-86:~
Microsoft Windows [Version 10.0.19043.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Aditya rajput\Desktop\kafka-stockMarket_project>ssh -i "kafka-ec2-mongoDB-spark-project.pem" ec2-user@ec2-18-181-186-38.ap-northeast-1.compute.amazonaws.com
The authenticity of host 'ec2-18-181-186-38.ap-northeast-1.compute.amazonaws.com (18.181.186.38)' can't be established.
ECDSA key fingerprint is SHA256:KWtDyAXDMcm6LamwC2I4uB94SGleVrYUX+XK9NA1jRg.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-18-181-186-38.ap-northeast-1.compute.amazonaws.com,18.181.186.38' (ECDSA) to the list of
known hosts.

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 _ | ( _ /   Amazon Linux 2 AMI
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https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-2-86 ~]$
```

