

Launch Status

✓ Your instances are now launching

The following instance launches have been initiated: i-00a8804b8be1a2169 [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 Linux instance](#)
- [Amazon EC2: User Guide](#)
- [Learn about AWS Free Usage Tier](#)
- [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)

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| | | | |
|_|_|_|_|_|_ Amazon Linux 2 AMI
```

```
https://aws.amazon.com/amazon-linux-2/
6 package(s) needed for security, out of 17 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-2-227 ~]$ sudo yum install java-1.8.0 -y
```

```
[ec2-user@ip-10-0-2-227 ~]$ wget https://archive.apache.org/dist/kafka/2.2.1/kafka_2.12-2.2.1.tgz
--2021-05-28 06:34:15-- https://archive.apache.org/dist/kafka/2.2.1/kafka_2.12-2.2.1.tgz
Resolving archive.apache.org (archive.apache.org)... 138.201.131.134, 2a01:4f8:172:2ec5::2
Connecting to archive.apache.org (archive.apache.org)|138.201.131.134|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 57054917 (54M) [application/x-gzip]
Saving to: 'kafka_2.12-2.2.1.tgz'

100%[=====] 57,054,917 14.0MB/s in 4.5s

2021-05-28 06:34:20 (12.0 MB/s) - 'kafka_2.12-2.2.1.tgz' saved [57054917/57054917]

[ec2-user@ip-10-0-2-227 ~]$
```

```
[ec2-user@ip-10-0-2-227 ~]$ ls
kafka_2.12-2.2.1.tgz
[ec2-user@ip-10-0-2-227 ~]$ tar -xzf kafka_2.12-2.2.1.tgz
[ec2-user@ip-10-0-2-227 ~]$ ls
kafka_2.12-2.2.1 kafka_2.12-2.2.1.tgz
[ec2-user@ip-10-0-2-227 ~]$
```

```

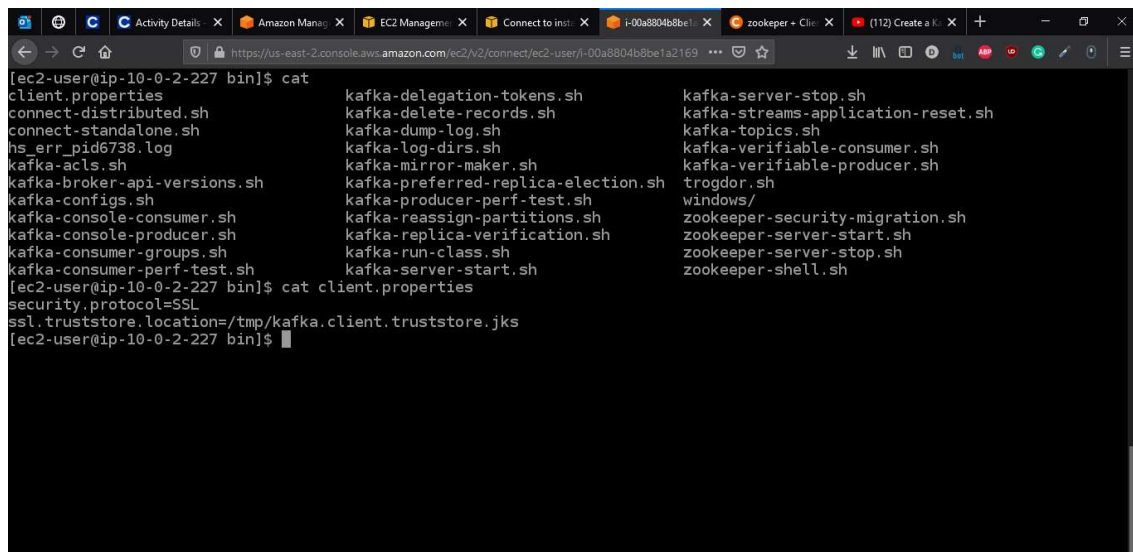
    "CurrentBrokerSoftwareInfo": {
      "KafkaVersion": "2.6.1"
    },
    "Tags": {
      "clusterDemoSaurabh": "mskClusterSaurabh"
    },
    "CreationTime": "2021-05-28T06:00:36.005Z",
    "NumberOfBrokerNodes": 3,
    "ZookeeperConnectString": "z-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:2181,z-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:2181,z-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:2181",
    "State": "ACTIVE",
    "CurrentVersion": "K3P5ROKL5A10LE",
    "ClusterArn": "arn:aws:kafka:us-east-2:941516478045:cluster/mskClusterSaurabh/2aed5f10-e9b8-4495-a0c3-8f9f97869fc4-3",
    "EnhancedMonitoring": "DEFAULT",
    "OpenMonitoring": {
      "Prometheus": {
        "NodeExporter": {
          "EnabledInBroker": false
        },
        "JmxExporter": {
          "EnabledInBroker": false
        }
      }
    }
  }
}
[ec2-user@ip-10-0-2-227 ~]$

```

```

[ec2-user@ip-10-0-2-227 ~]$ export PATH=$PATH:/home/ec2-user/kafka_2.12-2.2.1/bin
[ec2-user@ip-10-0-2-227 ~]$ kafka-topics.sh --zookeeper z-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:2181,z-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:2181,z-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:2181 --partitions 3 --replication-factor 1 --topic demo-topic --create
OpenJDK 64-Bit Server VM warning: If the number of processors is expected to increase from one, then you should configure the number of parallel GC threads appropriately using -XX:ParallelGCThreads=N
Created topic demo-topic.
[ec2-user@ip-10-0-2-227 ~]$

```



```

[ec2-user@ip-10-0-2-227 bin]$ cat client.properties
connect-distributed.sh      kafka-delegation-tokens.sh  kafka-server-stop.sh
connect-standalone.sh      kafka-delete-records.sh    kafka-streams-application-reset.sh
hs_err_pid6738.log         kafka-dump-log.sh          kafka-topics.sh
kafka-acls.sh              kafka-log-dirs.sh          kafka-verifiable-consumer.sh
kafka-broker-api-versions.sh kafka-mirror-maker.sh      kafka-verifiable-producer.sh
kafka-configs.sh           kafka-preferred-replica-election.sh trogdor.sh
kafka-console-consumer.sh  kafka-producer-perf-test.sh windows/
kafka-console-producer.sh  kafka-reassign-partitions.sh zookeeper-security-migration.sh
kafka-consumer-groups.sh   kafka-replica-verification.sh zookeeper-server-start.sh
kafka-consumer-perf-test.sh kafka-run-class.sh          zookeeper-server-stop.sh
                           kafka-server-start.sh      zookeeper-shell.sh
[ec2-user@ip-10-0-2-227 bin]$ cat client.properties
security.protocol=SSL
ssl.truststore.location=/tmp/kafka.client.truststore.jks
[ec2-user@ip-10-0-2-227 bin]$

```

```

[ec2-user@ip-10-0-2-227 bin]$ cat client.properties
security.protocol=SSL
ssl.truststore.location=/tmp/kafka.client.truststore.jks
[ec2-user@ip-10-0-2-227 bin]$
[ec2-user@ip-10-0-2-227 bin]$ aws kafka get-bootstrap-brokers --region us-east-2 --cluster-arn arn:aws:kafka:us-east-2:941516478045:cluster/mskClusterSaurabh/2aed5f10-e9b8-4495-a0c3-8f9f97869fc4-3
{
  "BootstrapBrokerStringTls": "b-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094"
}
[ec2-user@ip-10-0-2-227 bin]$

```

```

Last login: Fri May 28 07:55:04 2021 from ec2-3-16-146-2.us-east-2.compute.amazonaws.com

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                        Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
6 package(s) needed for security, out of 17 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-2-227 ~]$ export PATH=$PATH:/home/ec2-user/kafka_2.12-2.2.1/bin
[ec2-user@ip-10-0-2-227 ~]$ cd kafka_2.12-2.2.1/bin
[ec2-user@ip-10-0-2-227 bin]$ kafka-console-consumer.sh --bootstrap-server b-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094 --topic demo-topic --consumer.config client.properties --from-beginning
OpenJDK 64-Bit Server VM warning: If the number of processors is expected to increase from one, then you should configure the number of parallel GC threads appropriately using -XX:ParallelGCThreads=N
test message 2
connection attempt test message 1

test message 3

```

Msgs Received on the consumer end

```

kafka-console-consumer.sh      kafka-reassign-partitions.sh      zookeeper-security-migration.sh
kafka-console-producer.sh      kafka-replica-verification.sh    zookeeper-server-start.sh
kafka-consumer-groups.sh      kafka-run-class.sh               zookeeper-server-stop.sh
kafka-consumer-perf-test.sh    kafka-server-start.sh            zookeeper-shell.sh
[ec2-user@ip-10-0-2-227 bin]$ cat client.properties
security.protocol=SSL
ssl.truststore.location=/tmp/kafka.client.truststore.jks
[ec2-user@ip-10-0-2-227 bin]$
[ec2-user@ip-10-0-2-227 bin]$ aws kafka get-bootstrap-brokers --region us-east-2 --cluster-arn arn:aws:kafka:us-east-2:941516478045:cluster/mskClusterSaurabh/2aed5f10-e9b8-4495-a0c3-8f9f97869fc4-3
{
  "BootstrapBrokerStringTls": "b-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094"
}
[ec2-user@ip-10-0-2-227 bin]$ ^C
[ec2-user@ip-10-0-2-227 bin]$ kafka-console-producer.sh --broker-list b-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094 --producer.config client.properties --topic demo-topic
OpenJDK 64-Bit Server VM warning: If the number of processors is expected to increase from one, then you should configure the number of parallel GC threads appropriately using -XX:ParallelGCThreads=N
>
>connection attempt test message 1
>test message 2
>test message 3
>sending new mssage after the connection is successfully established
>another test machine send from EC2 Saurabh Producer to Conumer
>this will be recieved instantly

```

```

Last login: Fri May 28 07:55:04 2021 from ec2-3-16-146-2.us-east-2.compute.amazonaws.com

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                        Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
6 package(s) needed for security, out of 17 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-2-227 ~]$ export PATH=$PATH:/home/ec2-user/kafka_2.12-2.2.1/bin
[ec2-user@ip-10-0-2-227 ~]$ cd kafka_2.12-2.2.1/bin
[ec2-user@ip-10-0-2-227 bin]$ kafka-console-consumer.sh --bootstrap-server b-1.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-2.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094,b-3.mskclustersaurabh.ms88n7.c3.kafka.us-east-2.amazonaws.com:9094 --topic demo-topic --consumer.config client.properties --from-beginning
OpenJDK 64-Bit Server VM warning: If the number of processors is expected to increase from one, then you should configure the number of parallel GC threads appropriately using -XX:ParallelGCThreads=N
test message 2
connection attempt test message 1

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sending new mssage after the connection is successfully established
another test machine send from EC2 Saurabh Producer to Conumer
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