

aws

Services

Search

[Alt+S]

26 updates can be applied immediately.  
19 of these updates are standard security updates.  
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: sudo pro status

Last login: Thu Dec 21 12:11:10 2023 from 13.233.177.4  
ubuntu@ip-172-31-41-106:~\$ bin/zookeeper-server-start.sh config/zookeeper.properties  
-bash: bin/zookeeper-server-start.sh: No such file or directory  
ubuntu@ip-172-31-41-106:~\$ cd kafka\_2.13-3.6.1/  
ubuntu@ip-172-31-41-106:~/kafka\_2.13-3.6.1\$ bin/kafka-console-consumer.sh --topic demo\_testing --bootstrap-server 13.233.208.6:9092  
Hello world  
my name  
stock market data engineering  
{ "surnasdasdame": "parasdasdmar" }  
poll  
{ "ankit": "Kumar" }

i-051f95cd0f5cd9785 (stk-mkt)

PublicIPs: 13.233.208.6

CloudShell

Feedback

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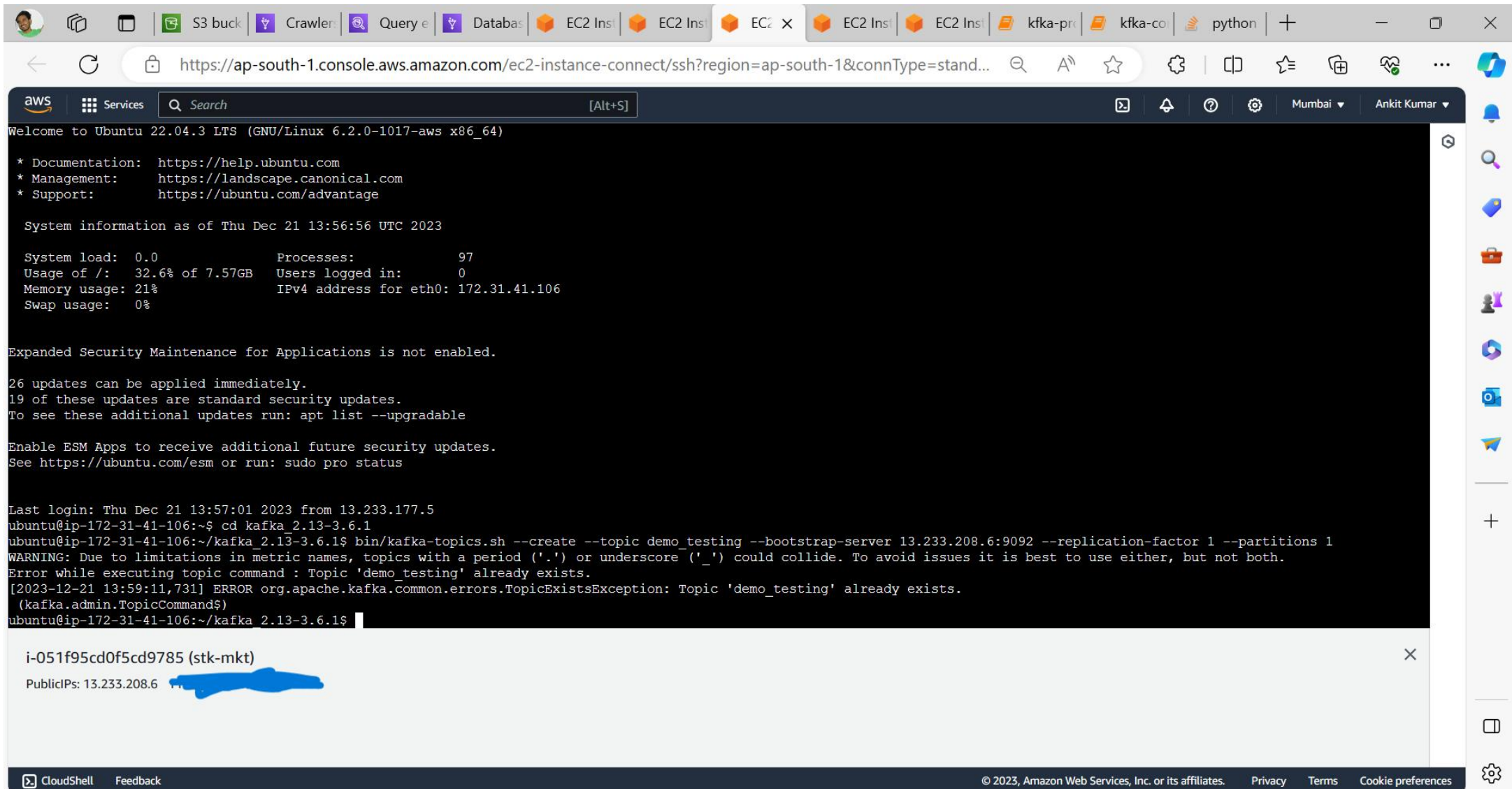
```
[2023-12-21 13:57:54,844] INFO zookeeper.pathStats.maxDepth = 6 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2023-12-21 13:57:54,844] INFO zookeeper.pathStats.initialDelay = 5 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2023-12-21 13:57:54,844] INFO zookeeper.pathStats.delay = 5 (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2023-12-21 13:57:54,845] INFO zookeeper.pathStats.enabled = false (org.apache.zookeeper.server.util.RequestPathMetricsCollector)
[2023-12-21 13:57:54,855] INFO The max bytes for all large requests are set to 104857600 (org.apache.zookeeper.server.ZooKeeperServer)
[2023-12-21 13:57:54,855] INFO The large request threshold is set to -1 (org.apache.zookeeper.server.ZooKeeperServer)
[2023-12-21 13:57:54,856] INFO zookeeper.enforce.auth.enabled = false (org.apache.zookeeper.server.AuthenticationHelper)
[2023-12-21 13:57:54,857] INFO zookeeper.enforce.auth.schemes = [] (org.apache.zookeeper.server.AuthenticationHelper)
[2023-12-21 13:57:54,857] INFO Created server with tickTime 3000 ms minSessionTimeout 6000 ms maxSessionTimeout 60000 ms clientPortListenBacklog -1 datadir /tmp/zookeeper/version
-2 snapdir /tmp/zookeeper/version-2 (org.apache.zookeeper.server.ZooKeeperServer)
[2023-12-21 13:57:54,889] INFO Using org.apache.zookeeper.server.NIOServerCnxnFactory as server connection factory (org.apache.zookeeper.server.ServerCnxnFactory)
[2023-12-21 13:57:54,891] WARN maxCnxns is not configured, using default value 0. (org.apache.zookeeper.server.ServerCnxnFactory)
[2023-12-21 13:57:54,896] INFO Configuring NIO connection handler with 10s sessionless connection timeout, 1 selector thread(s), 2 worker threads, and 64 kB direct buffers. (org.
apache.zookeeper.server.NIOServerCnxnFactory)
[2023-12-21 13:57:54,911] INFO binding to port 0.0.0.0/0.0.0.0:2181 (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2023-12-21 13:57:54,968] INFO Using org.apache.zookeeper.server.watch.WatchManager as watch manager (org.apache.zookeeper.server.watch.WatchManagerFactory)
[2023-12-21 13:57:54,969] INFO Using org.apache.zookeeper.server.watch.WatchManager as watch manager (org.apache.zookeeper.server.watch.WatchManagerFactory)
[2023-12-21 13:57:54,971] INFO zookeeper.snapshotSizeFactor = 0.33 (org.apache.zookeeper.server.ZKDatabase)
[2023-12-21 13:57:54,971] INFO zookeeper.commitLogCount=500 (org.apache.zookeeper.server.ZKDatabase)
[2023-12-21 13:57:54,983] INFO zookeeper.snapshot.compression.method = CHECKED (org.apache.zookeeper.server.persistence.SnapStream)
[2023-12-21 13:57:54,990] INFO Reading snapshot /tmp/zookeeper/version-2/snapshot.9f (org.apache.zookeeper.server.persistence.FileSnap)
[2023-12-21 13:57:55,016] INFO The digest in the snapshot has digest version of 2, with zxid as 0x9f, and digest value as 299335118211 (org.apache.zookeeper.server.DataTree)
[2023-12-21 13:57:55,070] INFO ZooKeeper audit is disabled. (org.apache.zookeeper.audit.ZKAuditProvider)
[2023-12-21 13:57:55,075] INFO 1 txns loaded in 24 ms (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2023-12-21 13:57:55,076] INFO Snapshot loaded in 104 ms, highest zxid is 0xa0, digest is 293781919841 (org.apache.zookeeper.server.ZKDatabase)
[2023-12-21 13:57:55,083] INFO Snapshotting: 0xa0 to /tmp/zookeeper/version-2/snapshot.a0 (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
[2023-12-21 13:57:55,096] INFO Snapshot taken in 12 ms (org.apache.zookeeper.server.ZooKeeperServer)
[2023-12-21 13:57:55,122] INFO zookeeper.request throttler.shutdownTimeout = 10000 ms (org.apache.zookeeper.server.RequestThrottler)
[2023-12-21 13:57:55,123] INFO PrepRequestProcessor (sid:0) started, reconfigEnabled=false (org.apache.zookeeper.server.PrepRequestProcessor)
[2023-12-21 13:57:55,169] INFO Using checkIntervalMs=60000 maxPerMinute=10000 maxNeverUsedIntervalMs=0 (org.apache.zookeeper.server.ContainerManager)
[2023-12-21 13:58:29,757] INFO Creating new log file: log.a1 (org.apache.zookeeper.server.persistence.FileTxnLog)
```

i-051f95cd0f5cd9785 (stk-mkt)

PublicIPs: 13.233.208.6

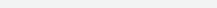


i: 051f05cd0f5cd0795 (stk.mkt)





```
afka.clients.NetworkClient)
[2023-12-21 15:00:07,190] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:08,044] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:09,049] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:10,103] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:10,956] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:11,860] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:12,764] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:13,919] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:14,974] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:15,878] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:16,932] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:17,786] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:18,947] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:20,152] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
[2023-12-21 15:00:21,307] WARN [Producer clientId=console-producer] Connection to node 0 (/13.233.208.6:9092) could not be established. Broker may not be available. (org.apache.k
afka.clients.NetworkClient)
```

i-051f95cd0f5cd9785 (stk-mkt) ×  
PublicIPs: 13.233.208.6 

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PublicIPs: 13.233.208.6 PrivateIPs: 10.0.0.10



```
Memory usage: 21%          IPv4 address for eth0: 172.31.41.106
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

26 updates can be applied immediately.
19 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Thu Dec 21 13:56:56 2023 from 13.233.177.4
ubuntu@ip-172-31-41-106:~$ cd kafka_2.13-3.6.1/
ubuntu@ip-172-31-41-106:~/kafka_2.13-3.6.1$ bin/kafka-console-producer.sh --topic demo_testing --bootstrap-server 13.233.208.6:9092
>Hello world
>my name
>stock market data engineering
>
```

i-051f95cd0f5cd9785 (stk-mkt) ✕

PublicIPs: 13.233.208.6 PrivateIPs: 172.31.41.106

aws

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Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.  
26 updates can be applied immediately.  
19 of these updates are standard security updates.  
To see these additional updates run: apt list --upgradable  
  
Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: sudo pro status  
  
Last login: Thu Dec 21 13:56:56 2023 from 13.233.177.4  
ubuntu@ip-172-31-41-106:~\$ cd kafka\_2.13-3.6.1/  
ubuntu@ip-172-31-41-106:~/kafka\_2.13-3.6.1\$ bin/kafka-console-producer.sh --topic demo\_testing --bootstrap-server 13.233.208.6:9092  
>Hello world  
>my name  
>stock market data engineering  
>poll  
>

i-051f95cd0f5cd9785 (stk-mkt)

PublicIPs: 13.233.208.6

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Mumbai ▾

Ankit Kumar ▾

Expanded Security Maintenance for Applications is not enabled.

26 updates can be applied immediately.

19 of these updates are standard security updates.

To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: sudo pro status

Last login: Thu Dec 21 12:11:10 2023 from 13.233.177.4

ubuntu@ip-172-31-41-106:~\$ bin/zookeeper-server-start.sh config/zookeeper.properties

-bash: bin/zookeeper-server-start.sh: No such file or directory

ubuntu@ip-172-31-41-106:~\$ cd kafka\_2.13-3.6.1/

ubuntu@ip-172-31-41-106:~/kafka\_2.13-3.6.1\$ bin/kafka-console-consumer.sh --topic demo\_testing --bootstrap-server 13.233.208.6:9092

Hello worl

my name

stock market data engineering

i-051f95cd0f5cd9785 (stk-mkt)

PublicIPs: 13.233.208.6 PrivateIPs: [REDACTED]

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MumbaiAnkit Kumar

```
{"Index": "000001.SS", "Date": "2014-10-17", "Open": 2352.783936, "High": 2360.596924, "Low": 2312.825928, "Close": 2341.184082, "Adj Close": 2341.184082, "Volume": 212300.0, "CloseUSD": 374.58945312}
{"Index": "IXIC", "Date": "1993-10-27", "Open": 767.349976, "High": 772.080017, "Low": 765.929993, "Close": 771.880005, "Adj Close": 771.880005, "Volume": 302150000.0, "CloseUSD": 771.880005}
{"Index": "HSI", "Date": "2014-05-14", "Open": 22484.49023, "High": 22664.36914, "Low": 22365.23047, "Close": 22582.76953, "Adj Close": 22582.76953, "Volume": 1927324700.0, "CloseUSD": 2935.7600389000004}
{"Index": "NYA", "Date": "1975-08-05", "Open": 487.339996, "High": 487.339996, "Low": 487.339996, "Close": 487.339996, "Adj Close": 487.339996, "Volume": 0.0, "CloseUSD": 487.339996}
{"Index": "NYA", "Date": "1987-09-25", "Open": 1894.180054, "High": 1894.180054, "Low": 1894.180054, "Close": 1894.180054, "Adj Close": 1894.180054, "Volume": 0.0, "CloseUSD": 1894.180054}
{"Index": "IXIC", "Date": "1983-10-25", "Open": 278.600006, "High": 278.600006, "Low": 278.600006, "Close": 278.600006, "Adj Close": 278.600006, "Volume": 0.0, "CloseUSD": 278.600006}
{"Index": "N100", "Date": "2006-11-28", "Open": 919.469971, "High": 921.77002, "Low": 914.380005, "Close": 918.98999, "Adj Close": 918.98999, "Volume": 304440800.0, "CloseUSD": 1121.1677878}
{"Index": "IXIC", "Date": "1992-12-01", "Open": 650.580017, "High": 654.27002, "Low": 650.27002, "Close": 653.950012, "Adj Close": 653.950012, "Volume": 237120000.0, "CloseUSD": 653.950012}
{"Index": "NYA", "Date": "1971-11-23", "Open": 524.460022, "High": 524.460022, "Low": 524.460022, "Close": 524.460022, "Adj Close": 524.460022, "Volume": 0.0, "CloseUSD": 524.460022}
{"Index": "GSPTSE", "Date": "1989-12-08", "Open": 3972.800049, "High": 3984.300049, "Low": 3972.0, "Close": 3982.699951, "Adj Close": 3972.585693, "Volume": 35590000.0, "CloseUSD": 3305.64095933}
```

i-051f95cd0f5cd9785 (stk-mkt)

PublicIPs: 13.233.208.6

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localhost:8888/notebooks/kafka-producer.ipynb

jupyter kafka-producer Last Checkpoint: 2 hours ago

File Edit View Run Kernel Settings Help

Trusted

JupyterLab Python 3 (ipykernel)

[notice] A new release of pip available: 22.3.1 -> 23.3.1  
[notice] To update, run: python.exe -m pip install --upgrade pip

[27]: import pandas as pd  
from kafka import KafkaProducer  
from time import sleep  
from json import dumps  
import json

[28]: producer = KafkaProducer(bootstrap\_servers=['13.233.208.6:9092'], #change ip here  
value\_serializer=lambda x:  
dumps(x).encode('utf-8'))

[29]: producer.send('demo\_testing', value={'ankit':'Kumar'})

[29]: <kafka.producer.future.FutureRecordMetadata at 0x1651da55e50>

[23]: df=pd.read\_csv('Desktop\stkData.csv')

[24]: df.head(6)

[24]:

	Index	Date	Open	High	Low	Close	Adj Close	Volume	CloseUSD
0	HSI	1986-12-31	2568.300049	2568.300049	2568.300049	2568.300049	2568.300049	0.0	333.879006
1	HSI	1987-01-02	2540.100098	2540.100098	2540.100098	2540.100098	2540.100098	0.0	330.213013
2	HSI	1987-01-05	2552.399902	2552.399902	2552.399902	2552.399902	2552.399902	0.0	331.811987

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Services

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Global

Ankit Kumar

Amazon S3

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Objects (26)

Info

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

< 1 >

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	stock_market_0.json	json	2023, 20:11:14 (UTC+05:30)	189.0 B	Standard
<input type="checkbox"/>	stock_market_1.json	json	December 21, 2023, 20:11:15 (UTC+05:30)	192.0 B	Standard
<input type="checkbox"/>	stock_market_10.json	json	December 21, 2023, 20:11:24 (UTC+05:30)	204.0 B	Standard
<input type="checkbox"/>	stock_market_11.json	json	December 21, 2023, 20:11:25 (UTC+05:30)	182.0 B	Standard

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## AWS Marketplace

Delete

► **Advanced settings**

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Mumbai

Ankit Kumar

AWS Glue

Getting started

ETL jobs

Visual ETL

Notebooks

Job run monitoring

Data Catalog tables

Data connections

Workflows (orchestration)

► Data Catalog

► Data Integration and ETL

► Legacy pages

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AWS Marketplace

access

Description

Security configuration

Lake Formation configuration

Table prefix

Maximum table threshold

Advanced settings

Crawler runs

Schedule

Data sources

Classifiers

Tags

Crawler runs (1/1)

The list of crawler runs for this crawler.

Filter data

Filter by a date and time range

< 1 >

⚙️

Start time (UTC)	End time (UTC)	Current/last duration	Status	DPU
December 21, 2023 at 14:50:	December 21, 2023 at 14:51:	55 s	Completed	

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Amazon Athena > Query editor

EditorRecent queriesSaved queriesSettings

Workgroupprimary

Athena now supports typeahead code suggestions to speed up SQL query development

Typeahead suggestions are turned on by default. You can change this setting in query editor preferences.

Edit preferences

Data

Data source

AwsDataCatalog

Database

skt-mkt-kafka-db

Tables and views

Create

Filter tables and views

Tables (1)

skt\_mkt\_data\_collection

Views (0)

Query 2

Query 3

1

SELECT \* FROM "skt-mkt-kafka-db"."stk\_mkt\_data\_collection" limit 10;

SQLLn 1, Col 1

Run again

Explain

Cancel

Clear

Create

Reuse query results up to 60 minutes ago

Query results

Query stats

ServicesSearch[Alt+S]

Tables (1)

stk\_mkt\_data\_collection

Views (0)

SQLLn 1, Col 1

Run again

Explain

Cancel

Clear

Create

Reuse query results

up to 60 minutes ago

Query results

Query stats

Completed

Time in queue: 60 ms

Run time: 713 ms

Data scanned: 3.54 KB

Results (10)

Copy

Download results

Search rows

#	index	date	open	high	low	close	adj close	volume	closeus
1	NYA	1971-11-23	524.460022	524.460022	524.460022	524.460022	524.460022	0.0	524.460
2	399001.SZ	2011-12-21	9111.320313	9147.219727	8884.25	8884.25	8884.150391	42300.0	1421.48
3	399001.SZ	2000-12-12	4672.649902	4705.959961	4652.22998	4704.890137	4704.837402	0.0	752.782
4	GDAXI	1988-08-23	1151.459961	1151.459961	1151.459961	1151.459961	1151.459961	0.0	1404.78
5	HSI	1988-09-02	2449.899902	2449.899902	2449.899902	2449.899902	2449.899902	0.0	318.486
6	NYA	1975-08-05	487.339996	487.339996	487.339996	487.339996	487.339996	0.0	487.339
7	GSPTSE	1986-09-25	3015.0	3015.0	2986.100098	2989.5	2981.908203	1.592E7	2481.28
8	GDAXI	1993-05-12	1632.98999	1632.98999	1632.98999	1632.98999	1632.98999	0.0	1992.24

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