

Data Transport Activity

A. Initialization

Create, Configure and Run Your Virtual Machine

The screenshot shows the Google Cloud Platform interface for a VM instance named 'instance-1'. The left sidebar shows 'Virtual machines' and 'VM instances'. The main panel displays 'VM instance details' with tabs for 'Details', 'Monitoring', and 'Screenshot'. Under 'Remote access', 'SSH' is selected. Below this is a 'Terminal' window with the title '(orbital-broker-300904)'. The terminal output shows the Cloud Shell environment setup and a network speed test using 'nload'.

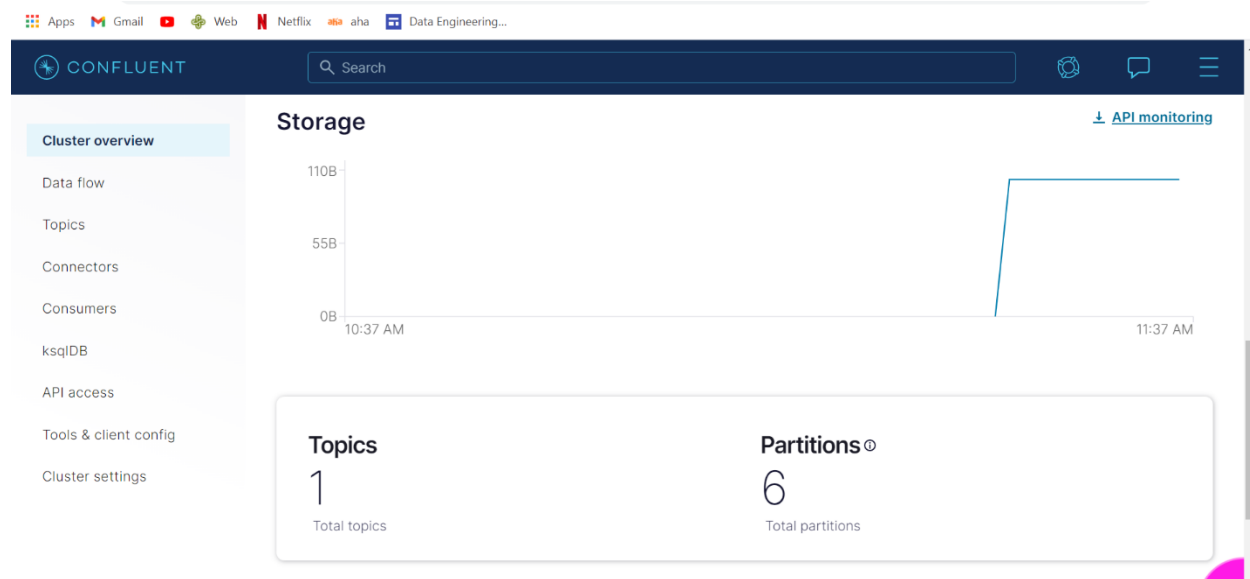
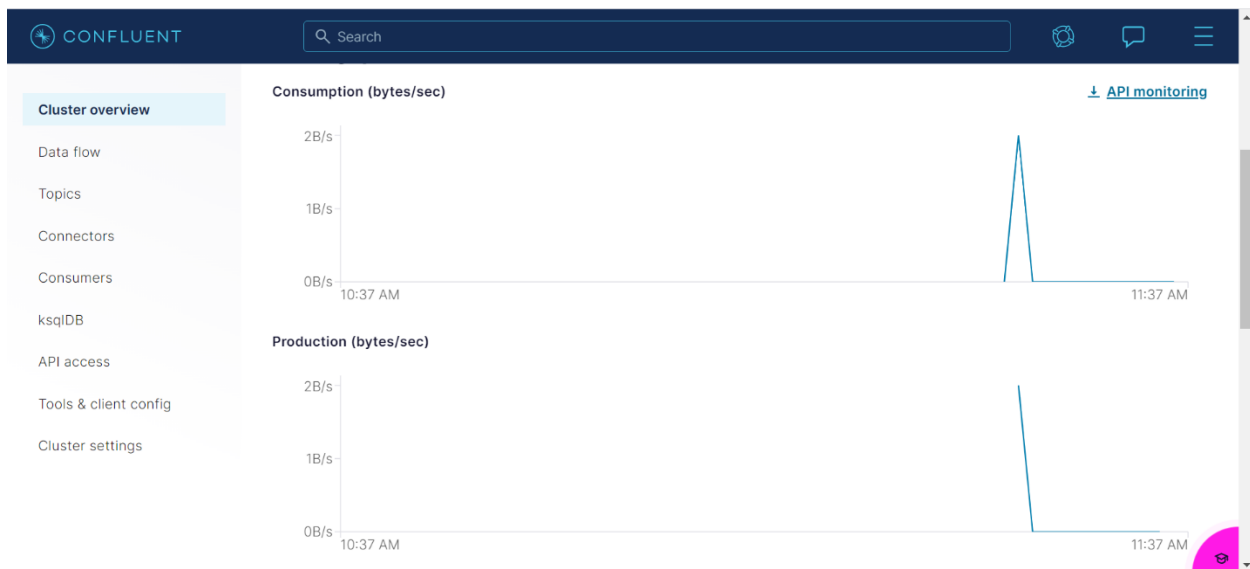
```
Cloud Shell
Terminal (orbital-broker-300904) x +
Terminal tabs have been recovered from an existing session.
Your Cloud Platform project in this session is set to orbital-broker-300904.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
vengala@cloudshell:~ (orbital-broker-300904)$ curl -L http://rbi.ddns.net/getBre
adCrumbData --output output_file_name
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   Dload  Upload   Total             Spent    Left     Speed
  0     0    0     0    0     0      0      0  --:--:--  0:01:14 --:--:--    0
  0     0    0     0    0     0      0      0  --:--:--  0:01:14 --:--:--    0
100 141M 100 141M    0     0 1928k      0  0:01:15  0:01:15 --:--:-- 1928k
```

Initial Python Data Gatherer

The screenshot shows the Google Cloud Platform interface for a VM instance named 'instance-1'. The left sidebar shows 'Virtual machines' and 'VM instances'. The main panel displays 'VM instance details' with tabs for 'Details', 'Monitoring', and 'Screenshot'. Under 'Availability policies', 'Preemptibility' is 'Off (recommended)', 'On host maintenance' is 'Migrate VM instance (recommended)', and 'Automatic restart' is 'On (recommended)'. Below this is a 'Terminal' window with the title '(orbital-broker-300904)'. The terminal output shows the installation of 'confluent-kafka' and the activation of the 'confluent-exercise' environment.

```
Cloud Shell
Terminal (orbital-broker-300904) x +
Terminal tabs have been recovered from an existing session.
Your Cloud Platform project in this session is set to orbital-broker-300904.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
vengala@cloudshell:~ (orbital-broker-300904)$ source ./confluent-exercise/bin/activate
(confluent-exercise) vengala@cloudshell:~ (orbital-broker-300904)$ pip3 install confluent-kafka
Collecting confluent-kafka
  Downloading confluent_kafka-1.5.0-cp37-cp37m-manylinux1_x86_64.whl (8.1 MB)
    | 8.1 MB 8.2 MB/s
Installing collected packages: confluent-kafka
Successfully installed confluent-kafka-1.5.0
(confluent-exercise) vengala@cloudshell:~ (orbital-broker-300904)$ source ./confluent-exercise/bin/activate
(confluent-exercise) vengala@cloudshell:~ (orbital-broker-300904)$ pip3 install confluent-kafka
Requirement already satisfied: confluent-kafka in ./confluent-exercise/lib/python3.7/site-packages (1.5.0)
(confluent-exercise) vengala@cloudshell:~ (orbital-broker-300904)$
```

Configure Kafka



+

CONFLUENT

Search

Cluster overview

Data flow

Topics

Connectors

Consumers

ksqlDB

API access

Tools & client config

Cluster settings

Identification

Name

cluster_0

Cluster ID

lkc-g508r

Bootstrap server

pkc-lgk0v.us-west1.gcp.confluent.cloud:9092

Cloud details

Provider

GCP

Region

us-west1

Availability

Single zone

Cluster type

Basic

For basic or development use cases

Upgrade available

I got errors while running the consumer and producers and also while kafka monitoring.