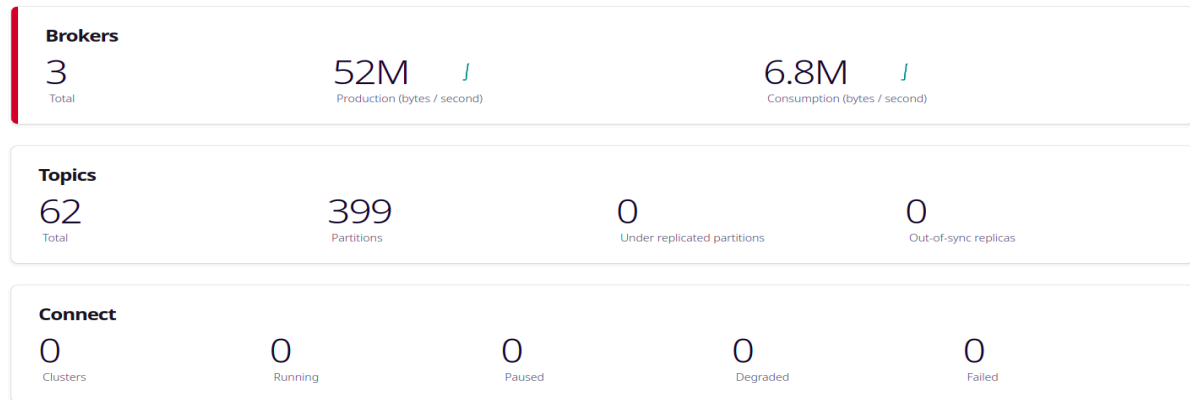


# Scenario 18

## Problem Statement

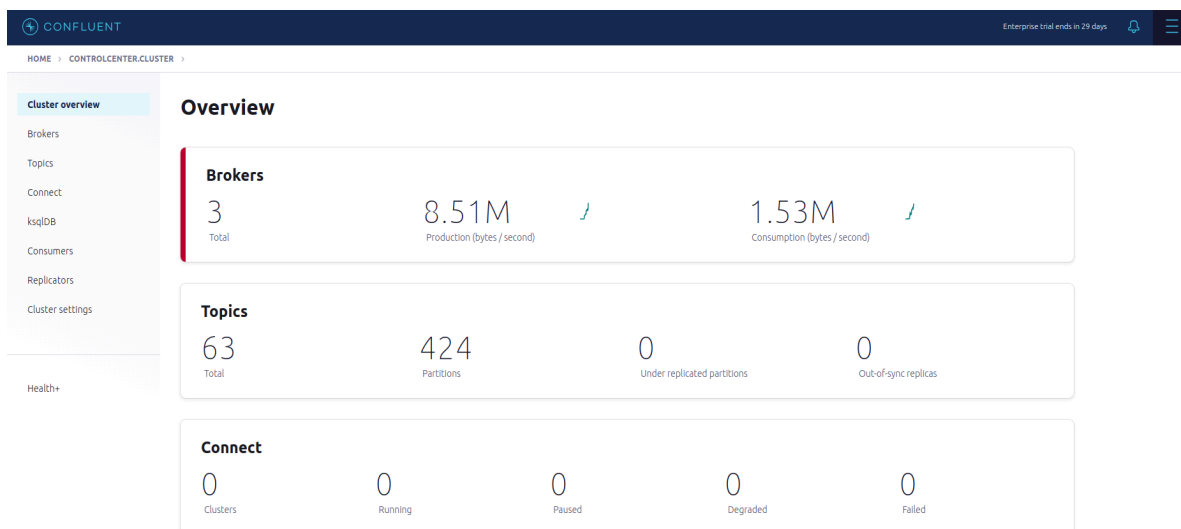
The customer notices a red color for one of the panels in the control-center. Troubleshoot the cause for the red color in the control-center and propose a solution to fix the issue.

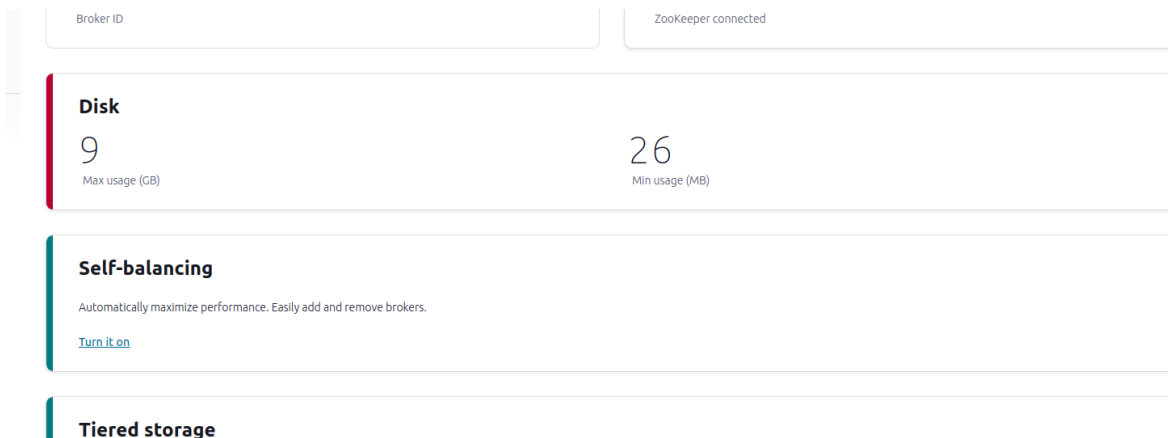
### Overview



## Root cause analysis

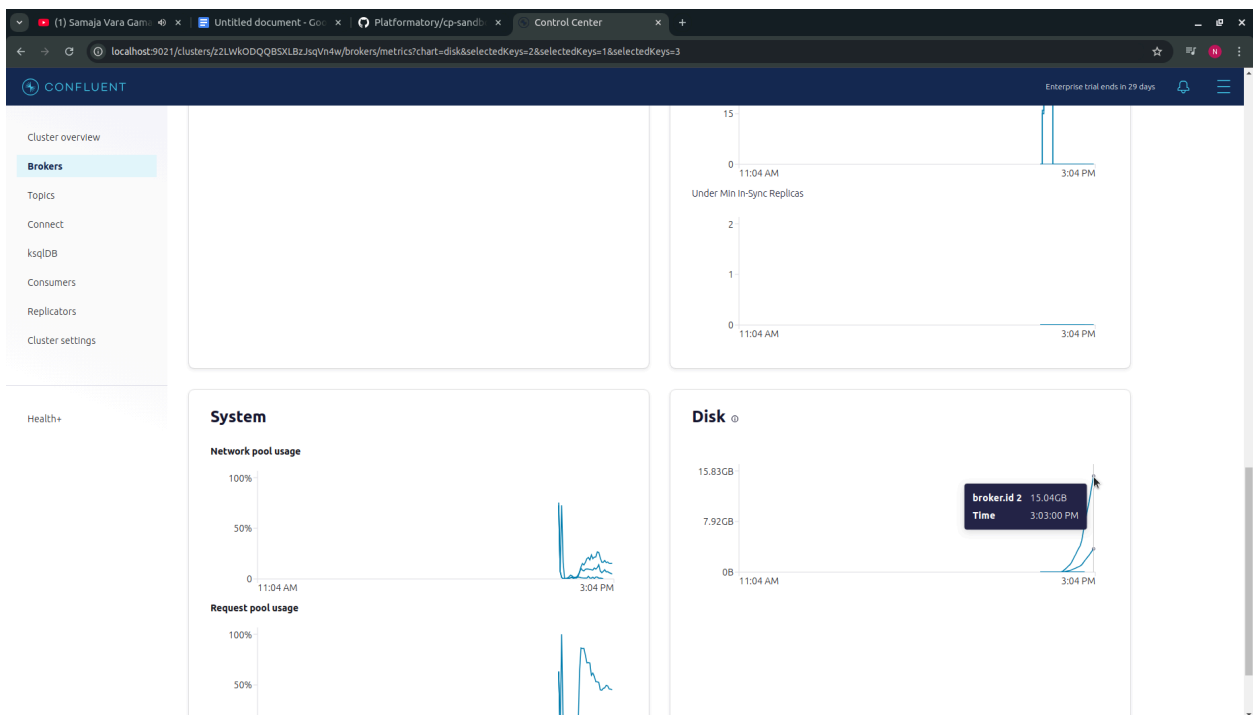
Once the docker containers are all up and running, it is observed that in the cluster overview page, the brokers panel goes red after some time.





## Observation

Upon analysis it is observed that it is highlighting the Disk usage panel in red again indicating that it is using large disk space.



## Observation

It is observed that brokers are consuming large disk space and it is growing exponentially with respect to time. Which indicated that it is handling a huge amount of data.

## Solution to debug the issue

Make the following configuration changes to the broker,

1. Set **log.segment.bytes** = 1073741824 to **Log.segment.bytes** = 33554432 (32 MB)  
(Size of one log file)
2. Set **log.retention.ms** = 300000 (5 minutes)  
(The amount of time to keep the log file before deleting it)
3. Set **log.retention.bytes** = 33554432 (32 MB)  
(The maximum size of the log file before deleting it)

## Conclusion

Upon successfully changing the configuration of the brokers to the above settings the proper utilization of disk space can be done. Additionally if we are handling huge amount of data like in this case, it is advised to implement tiered storage using AWS S3 buckets.