**Space Issue**

For PROD we are having two major areas (Kafka and Airflow) where we usually facing out of memory issues.

**AirFlow Issue:-**

*To fix the Airflow server issue, please follow below steps,*

1. Connect to the azure VM 20.97.10.134
2. Check available space by command **df -h,** In output of command make sure the **Use%** is below **90%**
3. To delete Airflow old logs, follow below commands-
   1. cd /home/clkebsco6/airflow/logs/information\_layer\_load\_dag
   2. Delete log files which are older than current month from **information\_layer\_1**, **information\_layer\_2**, **information\_layer\_3** folders
4. To restart the airflow,
   1. source airflow/bin/activate
   2. nohup airflow webserver >> /mnt/sitscode/airflow\_webserver.log &
   3. nohup airflow scheduler >> /mnt/sitscode/airflow\_scheduler.log &
5. To confirm the airflow services are running,
   1. Open Airflow UI from browser [Airflow](http://20.97.10.134:8080/home)

**Kafka Issue:-**

*To fix the* Kafka *server space issue, please follow below steps,*

1. Connect to the azure VM’s 23.100.120.48, 13.85.20.171, 23.102.152.207
2. Check available space on all three servers by command **df -h,** In output of command make sure the **Use%** is below **90%**
3. To delete Kafka old logs, follow below commands:-
   1. Kill "Connect Distributed" service using Kill command on Server1(23.100.120.48)
   2. Stop all Kafka broker servers
      1. Execute command ps -aef | grep 9093 on all three servers
      2. In the output of command we will get process id and we have kill it by command the command kill -9 process\_id
   3. Set[**log.retention.ms**](http://log.retention.ms/) to 1 in /datadrive/apache-kafka/config/server.properties file for all three nodes
   4. Start Kafka in all three nodes by command **nohup ./kafka-server-start.sh ../config/server.properties &** and wait for 30 minutes for Kafka to clear the logs
   5. Check all the server space after 30 minutes by command **df -h**
   6. Stop Kafka broker servers again
   7. Set **log.retention.hours** to 1 in **server.properties** file for all three nodes (comment out [**log.retention.ms**](http://log.retention.ms/) )
   8. Start Kafka in all three nodes again by executing the **nohup ./kafka-server-start.sh ../config/server.properties &** command on all three server
   9. Start “Connect Distributed” on Server1(23.100.120.48) by **nohup ./connect-distributed.sh ../config/connect-distributed.properties &**
   10. Test the process end to end by triggering on job from **20.97.10.134** server and verify the counts over snowflake