

Build Streaming Ingestion Pipelines for Snowflake with AWS

with Sagar Suri



Installing Snowpipe Kafka Connector

Prewritten Commands

- `mkdir -p /home/ssm-user/snowpipe`
- `cd /home/ssm-user/snowpipe`
- `sudo yum clean all`
- `sudo yum -y install openssl vim-common java-1.8.0-openjdk-devel.x86_64 gzip tar jq python3-pip`
- `wget https://archive.apache.org/dist/kafka/2.8.1/kafka_2.12-2.8.1.tgz`
- `tar xvfz kafka_2.12-2.8.1.tgz`
- `wget https://github.com/aws/aws-msk-iam-auth/releases/download/v1.1.1/aws-msk-iam-auth-1.1.1-all.jar -O /home/ssm-user/snowpipe/kafka_2.12-2.8.1/libs/aws-msk-iam-auth-1.1.1-all.jar`
- `rm -rf $pwd/kafka_2.12-2.8.1.tgz`
- `cd /tmp && cp /usr/lib/jvm/java-openjdk/jre/lib/security/cacerts kafka.client.truststore.jks`
- `cd /tmp && keytool -genkey -keystore kafka.client.keystore.jks -validity 300 -storepass $passwd -keypass $passwd -dname "CN=snowflake.com" -alias snowflake -storetype pkcs12`
- `wget https://repo1.maven.org/maven2/com/snowflake/snowflake-kafka-connector/1.9.1/snowflake-kafka-connector-1.9.1.jar -O /home/ssm-user/snowpipe/kafka_2.12-2.8.1/libs/snowflake-kafka-connector-1.9.1.jar`
- `wget https://repo1.maven.org/maven2/net/snowflake/snowflake-ingest-sdk/1.1.0/snowflake-ingest-sdk-1.1.0.jar -O /home/ssm-user/snowpipe/kafka_2.12-2.8.1/libs/snowflake-ingest-sdk-1.1.0.jar`
- `wget https://repo1.maven.org/maven2/net/snowflake/snowflake-jdbc/3.13.15/snowflake-jdbc-3.13.15.jar -O /home/ssm-user/snowpipe/kafka_2.12-2.8.1/libs/snowflake-jdbc-3.13.15.jar`
- `wget https://repo1.maven.org/maven2/org/bouncycastle/bc-fips/1.0.1/bc-fips-1.0.1.jar -O /home/ssm-user/snowpipe/kafka_2.12-2.8.1/libs/bc-fips-1.0.1.jar`
- `wget https://repo1.maven.org/maven2/org/bouncycastle/bcprov-jdk15on/1.64/bcprov-jdk15on-1.64.jar -O /home/ssm-user/snowpipe/kafka_2.12-2.8.1/libs/bcprov-jdk15on-1.64.jar`