GDL Deployment Guide

Environment Variables

8/6/2025

Contents

Mandatory Environment Variables

Although all the mandatory configuration parameters are set in the docker-compose files, the following mandatory environment variables can be used to change the configuration of Kafka and Zookeeper in .yml files.

IP addresses of the Zookeeper pod(s)

It should be a comma delimited string used to generate the value of zookeeper.connect. The format of the array is:

`{IP Address1}:{port1}[;{IP Address2}:{port2};{IP Address3}:{port3}]`

Examples:

`KAFKA_ZOOKEEPER_CONNECT=10.64.4.253:2181,10.64.4.10:2181,10.64.4.78:2181`

For single host deployment:

`KAFKA_ZOOKEEPER_CONNECT=localhost:2181, localhost:2183,localhost:2185`

IP addresses of the Kafka pods

The format of the array is given below (if the listeners are more, it should be delimited by a comma):

`KAFKA_ADVERTISED_LISTENERS=PLAINTEXT://localhost:9092`

Note, the hostname cannot be used other than "localhost" in one case.

Broker ID

`KAFKA_BROKER_ID = 1`

Zookeeper Environment Variable

`ZOOKEEPER_CLIENT_PORT=2181`

If it is a multi-Zookeeper cluster, the following Environment variables are also mandatory.

- ZOOKEEPER_SERVERS
- ZOOKEEPER_SERVER_ID