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# GDL Deployment Guide

## Environment Variables

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## 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