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# GDL Deployment Guide

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Verification steps for GDL Docker.

## Verify Docker Deployment

The successfully running GDL Docker containers can be verified by using the following command in another instance of Command Prompt (login as vagrant ssh in root folder)

**docker ps**

It lists the successfully running Docker containers such as Zookeeper, Kakfa, and tenant-api Docker containers.

## Verify using Management API

The successfully running GDL Docker containers can also be verified by accessing Management station API.

1. Click here to access the Management Station API with default username as **admin** and password as **admin**. (The IP address of the Swagger API UI can be modified in Vagrant properties file `inconfig.vm.network "private network" property`)
2. Click **Cluster API** (Operations pertaining to metadata in Kafka Cluster) to verify the number of brokers and access points of Kafka. It returns the port numbers of Kafka access points where the messages are coupled to Kafka layers (GDL).
  1. Click **Try it out**.
  2. Click **Execute**.
  3. The Response Body JSON file returns the number of available brokers and its port numbers.

## Execute Deployment Test

Click **Command API** (Execute deployment test) to execute the deployment test cases of Kafka layers. It is an essential test case where the pseudo messages are published and consumed within the Kafka ports.

1. Click **Try it out**.
2. Select **start**.
3. Click **Execute**. (Ensure all your Kafka layers are up before executing the test case)
4. The Response Body JSON file returns the message as **command started**.

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The test cases take approximately seven to ten minutes to verify the deployment of Kafka layers. After ten minutes, follow the given steps to access test results.

1. Click **Try it out**.
2. Select **result**.
3. Click **Execute**.

The Response Body JSON file returns the result of executed test cases. The success message indicates the flawless data transfer between producer and consumer.