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# GDL Deployment Guide

Deploy Kafka Clusters

8/31/2025

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Deployment of GDL clusters in Docker environment.

## Execute Docker Compose Files

Change the directory of command prompt to `Shared` folder in CentOS/7. The **Shared** folder can access the files from host machine where the IP packages were unzipped.

1. Display the list of files in Shared folder by using `ls` command. The folder displays four files as follows.
  1. `docker-compose-cluster-full.yml`
  2. `docker-compose-single.yml`
  3. `docker-compose-cluster-half.yml`
  4. `IP_GDL_900_ENU_DockerLinux.tar`
2. Execute the following command to run the Docker image.
  1. `docker image load -i IP_GDL_900_ENU_DockerLinux.tar`
3. Execute the following command to bring up the GDL clusters.
  1. `sudo docker-compose -f(docker compose file name) up`
4. To enable full cluster GDL (3 Zookeepers and 3 Kafka clusters and 1 Management API), type the following command.
  1. `sudo docker-compose -f docker-compose-cluster-full.yml up`

Wait till the log message appears as **started application in nn.nnn seconds (JVM Running for nn.nnn)**