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# GDL Deployment Guide

Docker Ready Environment

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### Install Docker for CentOS

1. Follow the instructions for installing Docker in CentOS as given here.
2. Login as super user in CentOS using `sudo su` command.
3. Type the following command to install required packages.
  1. `sudo yum install -y yum-utils \`  
`device-mapper-persistent-data \`  
`lvm2`
4. Type the following command to download the Docker setup file.
  1. `sudo yum-config-manager \`  
`--add-repo \`  
`https://download.docker.com/linux/centos/docker-ce.repo`
5. Type the following command to install the Docker software.
  1. `sudo yum install docker-ce`
6. Type the following commands to enable Docker software.
  1. `sudo su` (Enable as a super user)
  2. `systemctl enable docker`
7. Type the following command to start the Docker software after successful installation.
  1. `sudo systemctl start docker`

### Install Docker Compose

Docker Compose enables a quick way of installing pre-configured Kafka layers, and follow the commands to install Docker compose.

1. Install Docker Compose by typing the following command
  1. `sudo curl -L https://github.com/docker/compose/releases/download/1.22.0/docker-compose-$(uname -s)-$(uname -m) -o /usr/local/bin/docker-compose`
2. Execute these commands in root directory. (Access root directory using command `cd /`)
  1. `sudo chmod +x /usr/local/bin/docker-compose`
  2. Execute the following command under `/usr/bin` of root folder `sudo ln -s /usr/local/bin/docker-compose docker-compose`

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This Docker environment is ready for GDL deployment at the end of this step.