1. **Steps for Installation of Docker CE on CentOS7**
   1. Install required packages.

$ sudo yum install -y yum-utils \

device-mapper-persistent-data \

lvm2

* 1. set up the **stable** repository

$ sudo yum-config-manager \

--add-repo \

https://download.docker.com/linux/centos/docker-ce.repo

* 1. Install Docker CE

$ sudo yum install docker-ce docker-ce-cli containerd.io

* 1. Start the Docker

$ sudo systemctl start docker

Refer the link below for detailed information

<https://docs.docker.com/install/linux/docker-ce/centos/#prerequisites>

1. **Steps for Installation of Docker Image Using Dockerfile for Service Import**
   1. Create a directory on Client Machine. Download the Docker file from private repository

<https://wwwin-github.cisco.com/CloudCenterSuite/Content-Factory/blob/master/dockerimages/Dockerfile>

* + 1. Create a file exactly with name “Dockerfile” and place the content from the above link
  1. Download the Service Import Json file from [**here**](https://wwwin-github.cisco.com/CloudCenterSuite/Content-Factory/raw/master/Databases/GoogleSQL/WorkloadManager/ServiceBundle/gesql-service.json)
  2. Download the service import script zip file from [**here**](https://wwwin-github.cisco.com/CloudCenterSuite/Content-Factory/raw/master/Scripts/serviceimport.zip)
  3. Download the Google Cloud SQL logo from [**here**](https://wwwin-github.cisco.com/CloudCenterSuite/Content-Factory/blob/master/Databases/GoogleSQL/WorkloadManager/ServiceBundle/GoogleSql.jpg). It is used while creating the service and is mandatory.
  4. Download the Modelled Application Profiles from [**here**](https://wwwin-github.cisco.com/CloudCenterSuite/Content-Factory/raw/master/Databases/GoogleSQL/WorkloadManager/ApplicationProfiles/gesql-app.zip)
  5. Keep all the files downloaded from steps 1-5 in a single directory on a Linux based client machine.
  6. Unzip the service import script zip file downloaded in 2.3 to the same directory.
  7. The directory contents for your example

[root@ip-172-31-27-127 gesql]# ls -al

total 36

drwxr-xr-x. 2 root root 117 Feb 27 18:06 .

drwxr-xr-x. 3 root root 130 Feb 27 18:10 ..

-rwxr-xr-x. 1 root root 1071 Feb 27 17:54 Dockerfile

-rwxr-xr-x. 1 root root 4652 Feb 24 15:44 gesql-app.zip

-rwxr-xr-x. 1 root root 4917 Feb 24 15:44 gesql-service.json

-rwxr-xr-x. 1 root root 12225 Feb 24 15:44 GoogleSql.jpg

-rwxr-xr-x. 1 root root 7209 Feb 24 15:44 main.py

-rwxr-xr-x. 1 root root 2078 Feb 24 15:44 serviceimport.sh

-rwxr-xr-x. 1 root root 3058 Feb 27 18:10 serviceimport.zip

[root@ip-172-31-27-127 gesql]#

1. **How to create a service using command line utility**.
   1. **Navigate to the directory where the files are placed and Run the below command**

Example : docker build --no-cache -t <REPOSITORY NAME>:<TAG NAME> <Absolute Path of Docker file>

[root@ip-172-31-27-127 gesql]# docker build --no-cache -t ccs\_service\_import:v1 .

It creates a Docker image by reading Dockerfile

* 1. **List the Docker images**

[root@ip-172-31-27-127 gesql]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ccs\_service\_import v1 d87c6821b390 36 seconds ago 232MB

alpine latest caf27325b298 3 weeks ago 5.53MB

* 1. **Run the Docker image and provide requested inputs**

[root@ip-172-31-27-127 gesql]# docker run -v **/root/serviceimport**/:/ccsworker -w /ccsworker -it 90541fe64afd /bin/bash

Enter IP Address for Cloud Center Suite: 35.193.130.138

Enter Cloud Center Suite Email Address : shykotha@cisco.com

Enter the password: \*\*\*\*\*\*\*\*\*\*\*

Enter the Tenant ID : cisco

**Note 1**: **/root/serviceimport**/ is the Host System directory where all service files are placed [ from Step 2.6]

**Note 2**: /ccsworker is the worker directory on Docker Container. Do not change. The files from /root/serviceimport are copied on to /ccsworker.

**Note 3**: 90541fe64afd is the Image ID. Pls provide your own image ID.

**Note 4** : Logo , Service Json , App Zip bundle is implicitly read by script . However , Pls ensure the directory contains only listed files.

User will be prompted to select the repository

####################################################################

All the repositories configured in Workload Manager will be pulled

Please ensure that service bundle is uploaded to selected repository before the deployemnt.

####################################################################

Select the repository ID from the list

--------------------------------

ID Name of the repository

--------------------------------

0 exit

1 repo

1

gesql Imported Service Successfully

Imported Application Profile Successfully