

## Application docker build setup.

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1. Install the docker-ce

```
sudo yum install docker-ce
```

2. Make sure docker service is running

```
sudo systemctl status docker.service
```

If not started run below command

```
sudo systemctl start docker.service
```

If not present, add a new file and save with below content

```
Vim /etc/docker/daemon.json
```

```
{  
  "insecure-registries" : ["172.27.5.153:8082"]  
}
```

```
sudo systemctl restart docker.service
```

3. For source build follow this step.

Have the repositories cloned and checkout to proper branches under src folder.

Eg.

```
sudo /apps/jiva_buildout/modules/zoep_build/src/
```

4. Make sure zeo, memcached and rabbitmq dependency components (independent of jiva modules ) are up and running (either manual or containers which has exposed ports (zeo -> 4545 , memcached-> 5551)
5. Ensure Data.fs is in place zeo\_build/var/zeo1\_filestorage/Data.fs **OR** copy from centralized location 172.27.5.185:/home/jiva/  
OR install cms also can be done on each container manually.

Dockerlogin to 172.27.5.153:8082  
**sudo docker login 172.27.5.153:8082**

## 6. Pull the application zope docker image.

```
Sudo docker pull 172.27.5.153:8082/zope/zopedev65:latest
```

## 7. Run the docker containers using the above image

**desc:**

```
docker run -h <hostname of container> --name <name  
of the container> -e <environment_variable>  
=<local_server_IP> -v <path to the source volume  
mount inside host>:<path to the destination volume  
mount inside container> <image name>
```

```
sudo docker run -h app65 -d --name zope_6.5_jiva -e  
ZEOIP_ENV=<local_server_IP> -p 4547:4547 -v  
/apps/jiva_buildout/modules/zope_build/src:/apps/jiva  
_buildout/modules/zope_build/src  
172.27.5.153:8082/zope/zopedev65:latest
```

To run instance on localhost use below

```
sudo docker run -h app65 -d --network host --name  
zope_6.5_jiva -p 4547:4547 -v <localfile system path>  
/jiva_buildout/modules/zope_build/src:/apps/jiva_buil  
dout/modules/zope_build/src  
172.27.5.153:8082/zope/zopedev65:latest
```

## 8. Running instance

```
docker exec -it zope_6.5_jiva bash  
source bin/mssql_odbc.sh  
./bin/zope_fixed_install fg
```

NOTE:

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- To start Memcached container

```
sudo docker run -h memcached -d --name  
memcached -p 5551:5551  
172.27.5.153:8082/memcached/memcached:rel_6.4
```

- To start zeo\_svc container

```
sudo docker run -h zeo-svc -d --name zeo-svc-  
rel_6.4 -p 4545:4545  
172.27.5.153:8082/zeo/zeo:rel_6.4
```

- Whenever IP changes of the system you have to build the container newly by passing the IP address