# NOVA-DOCKER INSTALLATION PATTERN

1. Add nova to the docker group so that nova-compute can talk to the daemon through the local socket
   1. usermod -aG docker nova
   2. service openstack-nova-compute restart
2. install docker-engine (on compute node)
   1. curl -sSL https://get.docker.com/ | sh
   2. systemctl enable docker.service
   3. systemctl start docker.service
   4. Verify installation
   5. docker run hello-world
3. install nova-docker (on compute node)
   1. git clone <https://github.com/openstack/nova-docker> --branch stable/liberty
   2. pip install nova-docker/
4. configure nova to use docker (perform on compute node)
   1. nano /etc/nova/nova.conf
   2. compute\_driver=novadocker.virt.docker.DockerDriver
   3. systemctl restart openstack-nova-compute.service
5. configure glance to store docker containers
   1. nano /etc/glance/glance-api.conf under “[image\_format]”
   2. container\_formats=ami,ari,aki,bare,ovf,ova,docker
   3. systemctl restart glance-registry.service
6. verify
   1. source admin-openrc.sh
   2. docker pull docker.io/cirros:latest
   3. docker save docker.io/cirros:latest |  
       glance image-create --name docker.io/cirros:latest \  
       --is-public true --container-format docker \  
       --disk-format raw
   4. ssh-keygen -q -N ""
   5. nova keypair-add --pub-key ~/.ssh/id\_rsa.pub mykey
   6. nova boot --image ldocker.io/cirros:latest --flavor m1.small test0
   7. ASSIGN A PUBLIC IP ADDRESS TO THE CONTAINER BASED ON YOUR NETWORK CONFIGURATION
   8. curl [http://CONTAINER\_IP](http://container_ip)
      1. EG: curl http://172.24.4.3