**Prequisites**

1. docker latest version
2. docker-compose

**About the project**

1. The docker project creates a multi node Scylla cluster for evaluation.
2. docker-compose-dc1-with-staticIP.yaml is the main file which spuns up the cluster.
3. Configurations folder contain the cluster and the node configuration.

**Steps for running the project**

1. 1. CD into the directory.
2. 2. docker-compose -f docker-compose-dc1-with-staticIP up (-d to run it in the background)
3. 3. The scylla node instance name will be like folderName\_scylla-node1\_1
4. 5. To get scylla node instance names : docker container ls (shows the running instances)
5. 4. To start cqlsh shell : docker container exec -it scylla\_instance\_name nodetool status.
6. 5. To run nodetool subcommands : docker container exec -it scylla\_instance\_name nodetool <sub command>
7. 6. To interact with the node using bash : docker container exec -it scylla\_instance\_name bash

**Things to note**

1. The docker-compose-dc1-with-staticIP.yaml is the compose file. It has all the configurations.
2. All the cluster and node configurations are in the configurations folder.
3. Mapping of scylla-staticIP.yaml to Scylla.yaml is not getting reflected due to some reasons.
4. For the same reason I have added the Scylla configurations on “command:” in the docker compose file for now . I will look into the issue but it is giving results as expected.
5. All the networking stuff happens automatically in docker-compose but still I have manually created a network with IP ranges in 18.10.0.0/16 (CIDR format) for having a better understanding of how to configure the things manually.
6. All the nodes have been assigned a static ip for intercommmunication and client communication.