

Docker

1. What is Containerization?
2. Virtualization vs Containerization.
3. Types of Container Runtimes.
4. What is Docker?
5. Understanding Docker Layers, Volumes, Network.
6. How to create a Dockerfile.
7. What is a Container Registry?
8. Creating Docker images and pushing them to Registry.
9. Caching in Docker

Task:

1. Containerize a Static Web application using Nginx docker image.

Items to Note:

- a. Contents of Web Application should persist on Container restarts.
- b. When we hit the IP on browser a message of "Welcome to XenonStack" must come.

2. Dockerize Notejam Application using any one of the Web Framework.

Note: Web Application should connect with external Database.

URL: <https://github.com/komarserjio/notejam>

3. Create an image and push to Docker hub

4. Create the deployment from this image

5. [Docker exercises - Lightenna](#)

Reference Links

1. [Overview | Docker Documentation](#)
2. [About storage drivers | Docker Documentation](#)
3. <https://jhooq.com/categories/docker/>

4. [Docker COPY vs Docker ADD? | Jhoog](#)
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