

Dockerize an Application

Learning Outcomes

After completing the lab, you will be able to:

1. Learn the core concepts of Containerization (Docker)
2. Create, build & run a docker image of the application
3. Push the docker image to docker hub
4. Verify and monitor the docker container
5. Describe how to use version control and source code management using Git

Build the application

1. Requirement- Expose a web api by implementing Http GET method which returns a simple message such as "Hello Kubernetes!".
2. Design - A Simple controller and a bootstrapper which wraps the host server along with necessary dependencies to run in a containerized environment.
3. Implementation (Multiple technology choices)
 - a. [Develop using .NET Core](#)
 - b. [Develop using Java Spring Boot](#)

You can use any one of the above options for building the application & dockerizing.