Docker training

Docker is a software platform that allows you to build, test, and deploy applications quickly.

Docker packages software into standardized units called containers that have everything the software needs to run including libraries, system tools, code, and runtime.

Using Docker, you can quickly deploy and scale applications into any environment and know your code will run.

Content:

Introduction to containers

- Why containers were introduced?
- What are containers?
- Virtual Machines
- Containers vs Virtual Machines
- Docker

Docker installation

- Docker Installation - Linux
- Docker Installation - Windows

Docker basics

- Introduction to docker commands
- Docker commands exercises

Docker images

- Docker images
- Building an image out of a container
- Dockerfile
- Let's build an image with Dockerfile!
- Docker image layers
- DockerHub

Running applications in containers

- Sample application introduction
- Docker compose – introduction
- Let's run our application with Docker Compose

Conclusion

- How do we use containers on real environments?
- Tips for secure containers
- Farewell