



## Docker Administration

Docker is an open platform for developers and sysadmins to create, ship, and run distributed applications. After completing this course, students will be able to build any application in any language with the use of any toolchain. "Dockerized" applications are fully handy and can run anywhere: Windows laptops and OS X. Docker helps developers in creating and shipping higher-quality applications, faster. Docker also tracks and manages dependencies and changes.

Audience: This Docker administration and operations course is best suited for System Administrators, Support Engineers, Technical Administrators, and Database Administrators.

Duration: 18 Hours

- Installing Docker Engine
- Creating our first Docker container
- Building Docker images
- Storing and retrieving Docker images from Docker Hub
- Building containers from images
- Networking Docker containers
- Data persistence with Volumes
- Using Docker into a Continuous Integration and Deployment process
- Control the Docker daemon
- Configure security and TLS
- Run applications on multiple containers across multiple host machines
- Enable Docker Content Trust
- Set up a registry and understand the Docker Trusted Registry
- Use Docker Machine, Swarm, and Compose
- Build micro service applications