

Docker Certification Training

About Course

Besant Technologies Docker training online course is one of the best online Docker Certification training provided to the candidates at a cost-effective rate. Docker online training helps to enhance the candidate's software development and web application skills. The Docker Online course covers docker, docker-compose, node.js, container images, docker files, running containers, how to use Github, docker swarm, virtualization, Docker client, and more.

Course Syllabus

Module 1: Docker World – An introduction (Duration-5hrs)

- Introducing Docker
- Comparing VM and Docker
- Docker –An Architectural overview
- The Docker Hub A brief Introduction
- Preparing docker-machine – Installation and configuration
- Start containerizing
- Play with docker images
- Customizing container on your own
- Running Container with Docker – commands
- Port forwarding with docker container
- Exercise: Installation of docker and Image Setup
- Exercise: Creating own Images
- Exercise: Creating own Images
- Exercise: Exposing Container Ports to the Host and test it

Module 2:The Dockerfile, Builds and Network Configuration (Duration-5hrs)

- Dockerfile Directives
- USER and RUN
- RUN Order of Execution

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- ENV
- CMD vs. RUN
- ENTRYPOINT
- EXPOSE
- Docker Container Volume Management – An introduction
- Docker Networking concepts
- List and Inspect
- Create and Remove
- Assign to Containers
- Exercise: Creating a Custom Image from a Dockerfile
- Exercise: Managing Containers
- Exercise: Adding External Content to Containers

Module 3: Docker Commands and Structures (Duration-5hrs)

- Inspect Container Processes
- Previous Container Management
- Controlling Port Exposure on Containers
- Naming Our Containers
- Docker Events
- Managing and Removing Base Images
- Saving and Loading Docker Images
- Image History
- Taking Control of Our Tags
- Pushing to Docker Hub
- Exercise: Base Image Maintenance and Cleanup
- Exercise: Advanced Container Creation at the Command Line
- Exercise: Create a Dockerized Basic Web Server
- Continuous Integration for Docker

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Module 4: Docker-Compose (Duration-5hrs)

- Networking Overview
- The Default Network
- Isolating Containers
- Aliases & Container Names
- Links
- How Updates Affect Networking
- Using External Networks
- Configuring Compose
- Bringing an Environment Up
- Changing a Running Environment
- Introspecting On An Environment
- Taking an Environment Down

Module 5: Docker swarm – A deep dive (Duration-5hrs)

- Swarm Intro and Creating a 3-Node Swarm Cluster
- Swarm Mode A Built-In Orchestration
- Creating Your First Service and Scale It Locally
- Creating a 3-Node Swarm Cluster
- Swarm Basic Features and How to Use Them In Your Workflow
- Scaling Out with Overlay Networking
- Create A Multi-Service Multi-Node Web App
- Service Placement Preference
- Node Availability

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Reviews

Review 1:

I had a fantastic experience learning Docker online course from Besant Technologies. Every trainee is very knowledgeable. They covered every concept with real-world projects that made us transparently understand the idea. I am happy to be a part of the Besant technologies, and I strongly recommend them to other students who need to have a good career in docker.

Review 2:

I would recommend the Besant Technologies Docker training and Certification course for both beginners and experienced experts. As the trainers move the concepts as per the student's capability, everyone can easily get certified as a docker professional.



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