Docker Certified Associate (DCA) Certification Training Course

About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

About Course

Containers plays a crucial role in the DevOps process and It is the leading container runtime platform and offers features around container management and orchestration. This Docker certification training course is designed for the participants who are willing to give the "Docker Certified Associate (DCA)" certification exam as well as for those aspirants who wants to acquire the strong knowledge and understandng of Docker and Containerization

The course is designed from scratch, its like a go-to course for anyone who is new to Containerization and wants to claim the official Docker certification.

With lots of quizzes, dumps, excellent lectures and superb support from the certified Docker trainer and instructors, this DCA exam course will help you to learn all the concepts and necessary skills to clear your "Docker Certified Associate" certification exam easily.

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Duration	15 Hours
Mode	Online (Instructor-led, live & Interactive)
Projects (Real time scenario based)	1

FEATURES	DEVOPSSCHOOL	OTHERS
Faculty Profile Check	✔	✖
Lifetime Technical Support	✔	✖
Lifetime LMS access	✔	✖
Top 25 Tools	✔	✖
Interviews Kit	✔	✖
Training Notes	✔	✖
Step by Step Web Based Tutorials	✔	✖
Training Slides	✔	✖
Training + Additional Videos	✔	✖

AGENDA OF THE DOCKER CERTIFIED ASSOCIATE (DCA) CERTIFICATION TRAINING COURSE

Course Introduction

- Course Introduction
- About the Training Architect
- Course Features and Tools

Docker Community Edition Installation and Configuration

- Introduction to Docker Community Edition
- Installing Docker on CentOS
- Installing Docker on Ubuntu
- Selecting a Storage Driver
- Running a Container
- Upgrading the Docker Engine
- Configuring Logging Drivers (Splunk, Journald, etc.)
- Introduction to Docker Swarm
- Configuring a Swarm Manager
- Configuring Swarm Nodes
- Docker Swarm Backup and Restore
- Namespaces and Cgroups
- Installing and Configuring the Docker Engine
- Building a Docker Swarm

Image Creation, Management, and Registry

- Introduction to Docker Images
- The Components of a Dockerfile
- More Dockerfile Directives
- Building Efficient Images
- Flattening a Docker Image to a Single Layer
- Introduction to Docker Registries
- Using Docker Registries
- Creating Your Own Docker Image
- Building a Private Docker Registry

Orchestration

- Locking and Unlocking a Swarm Cluster
- High Availability in a Swarm Cluster
- Introduction to Docker Services
- Using docker inspect
- Docker Compose
- Introduction to Docker Stacks
- Node Labels
- Building Services in Docker
- Building a Docker Application Stack

Storage and Volumes

- Storage and Volumes
- Docker Storage in Depth
- Configuring DeviceMapper
- Docker Volumes
- Image Cleanup
- Storage in a Cluster
- Using Volumes in Docker Containers
- Using Storage Volumes with Docker Swarm

Networking

- Docker Networking
- Built-In Network Drivers
- Creating a Docker Bridge Network
- Deploying a Service on a Docker Overlay Network
- Exposing Containers Externally
- Network Troubleshooting
- Configuring Docker to Use External DNS
- Using a Docker Bridge Network
- Deploying a Service on an Overlay Network

Security

- Signing Images and Enabling Docker Content Trust
- Default Docker Engine Security
- Docker MTLS
- Securing the Docker Daemon HTTP Socket
- Working with Docker Content Trust

Docker Enterprise Edition

- Installing Docker EE
- Setting up Universal Control Plane (UCP)
- Security in UCP
- Setting Up Docker Trusted Registry (DTR)
- Sizing Requirements for Docker, UCP, and DTR
- Configuring Backups for UCP and DTR
- DTR Security Features
- Managing Certificates with UCP and DTR

Wrap-Up

- How to Prepare for the Exam
- What's Next After Certification?
- Get Recognized

Thank you!

Connect with us for more info

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