

COURSE DESCRIPTION

Portworx Enterprise Administrator Capstone

The Portworx Enterprise Administrator Capstone course gives you everything you need to manage a Portworx Enterprise implementation through its entire lifecycle. Portworx Enterprise is the Kubernetes storage platform trusted in production by leading enterprises, providing end-to-end storage and data management for container-based containers, databases, and software as a service, as well as disaster recovery initiatives. This course helps prepare you to be the enterprise administrator when you successfully complete the Portworx Enterprise Administration certification exam.

Course Benefits

Become a true Portworx Enterprise Administrator that designs Portworx solutions, administers clusters, secures and troubleshoots Portworx, and provides business continuity. As a Portworx DevOps administrator, you will be the expert in your enterprise, able to perform all tasks from concept through implementation. This course includes hands-on labs guided by the instructor.

Course Outline

During this training you will learn the following:

Design and Architecture

- Portworx Components
- Installation on Docker, Cluster, Kubernetes, and AWS EKS
- Storage Pools
- Volume and Volume Types
- Storage Classes and PVC
- Data Integrity and Consistency
- Failure Handling



Duration

12 hours, delivered over 2 days (in-person) or 3 days (virtual)



Intended Audience

Portworx Enterprise Administrators



Course Type

Instructor-led



Lab

Virtual



Recommended Next Steps

Study for and take the Portworx Enterprise Administration certification exam

COURSE DESCRIPTION

- Etcd and Etcd Recovery
- Topology Awareness
- Volume Placement Strategies
- Storage Pool Cache
- Class of Service
- Stork Introduction

Cluster Operation and Administration

- License Operations
- Snapshots on Kubernetes, Cloud, and Group Volume
- Scheduling Snapshots
- Adding Portworx Nodes
- Adding Storage
- Resizing PVC
- Autopilot

Security

- Authentication
- Context

- Ownership
- Authorization
- Authorization on Kubernetes
- Securing Storage in a Multi-tenant Environment
- Encryption
- Cloud Credentials

Observability and Troubleshooting

- Logging
- Monitoring
- Alerting
- Troubleshooting

Business Continuity

- Application Backup
- Cluster Migration with Kubermotion
- Disaster Recovery: Synchronous, Failover and Fallback, Asynchronous

Prerequisites

Following are recommended prerequisites before taking this training.

- Portworx Fundamentals
- Portworx Enterprise Administration

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