COURSE DESCRIPTION

Portworx Enterprise Administration

The Portworx Enterprise Administration course is designed for Kubernetes DevOps teams that will be admins of the container orchestration and data management platforms. The Portworx Enterprise Administration course provides a deep dive into advanced Kubernetes concepts that apply to Portworx's cloud-native storage. It utilizes a lab environment so that you can practice what you have learned while also preparing you for the certification exam, which is available upon completion of the training.

Course Benefits

Portworx Enterprise Administrator is designed for DevOps professionals that are familiar with Kubernetes and are ready to extend their knowledge into the implementation of Portworx cloud-native storage.

Course Outline

During this course, you will learn:

Portworx on Kubernetes

- Design Considerations
- Generating Spec from Portworx Central
- Portworx on Elastic Kubernetes Service Deployment
- Cassandra Deployment
  - Adding and Draining Portworx Nodes
  - Storage Pool Expansion
  - Persistent Volume Resizing
  - Capacity Management (Autopilot)

INTENDED AUDIENCE

PORTWORX ADMINISTRATORS, STATEFUL APPLICATION DEVELOPERS

COURSE TYPE

ON-DEMAND

DURATION

6 HOURS

LAB

VIRTUAL

RECOMMENDED NEXT STEPS

GET YOUR COURSE COMPLETION CERTIFICATE

Portworx Architecture

- Architecture Deep Dive
- Data Integrity
- Node, Disk, and Network Failures
- Recovery
- Topology
- Volume Placement Strategies
- Storage Pool Cache
- Class of Service

Portworx Security

- Authentication
- Authorization
- Contexts
- Encryption
- Cloud Credentials

Business Continuity

- Storage Orchestration for Kubernetes (STORK)
- Cloud, Scheduled, and 3D Snapshots
- Portworx Application Backups

Migration & Disaster Recovery

- Kubemotion
- Synchronous Disaster Recovery
- Asynchronous Disaster Recovery

Logging and Monitoring

- FluentD, Elasticsearch, and Kibana Logging
- Prometheus and Grafana Monitoring
- Alerting

Other Topics

- Proxy Volumes
- Performance Tuning
- Troubleshooting
- Maintenance Mode

Prerequisites

You should be familiar with the following topics before completing this course:

- Linux System Administration
- Containers
- Kubernetes and Container Orchestration

Complete the following on-demand course through the Pure Academy (available with a Pure1® login ID and password):

- Portworx Fundamentals