



CN310: Advanced Docker Enterprise Troubleshooting

Course ID #: 7000-458-ZZ-Z

Hours: 14

Course Content

Course Description:

In this support and SRE focused course, you'll learn broadly applicable techniques for diagnosing platform and application failures in Docker Enterprise. We'll cover application first-response strategies for Swarm and Kubernetes applications, look at identifying and avoiding common cluster failure modes, and practice troubleshooting and disaster recovery actions for UCP and DTR. This course is intended to help experienced Docker Enterprise operators self-serve a wide range of support needs, reducing time to resolution and expediting results in support service requests.

At Course Completion:

Students will learn:

- Containerized application diagnostic strategies
- Container-native monitoring data
- Leveraging documentation
- Generating and reading UCP support dumps
- Identifying and eliminating compute resource problems
- Debugging container networking
- Troubleshooting UCP
- Troubleshooting DTR
- Docker Enterprise Disaster Recovery

Prerequisites:

- CN210 course and prerequisites therein, or equivalent experience
- Familiarity with the Bash shell
- Filesystem navigation and manipulation
- Command line text editors like vim or nano
- Common tooling like curl, wget and ping
- Familiarity with YAML and JSON notation

Target Student:

- Motivations: Provide support and day-2 ops for production-grade Docker Enterprise clusters hosting mission critical applications.
- Roles: SREs, support teams or operators managing Docker Enterprise