

ZURIEN

Zurien Powered by AI Labs

Level 10-1 One Global Place, 25<sup>th</sup> St.  
cor 15<sup>th</sup> Ave, Bonifacio Global City  
Taguig City 1632 Philippines

# Container + ADC OverDrive

Duration: 2 Days

## Course Purpose

Container + Application Deliver Controller OverDrive is an instructor-led workshop that provides an overview and deep understand of container-base virtualization technology. The goal of this workshop is to provide Data Center professional with a foundational level of experience with the operational practices and the various tools to operate containers using Docker in an F5 BIG-IP Solution.

## Objectives

Upon completion of this course, the student should be able to perform the following:

- Provide F5 Administrator a solid network foundation in relation to BIG-IP as platform and different F5 features.
- Solid foundation of Linux Containerization with the use of Docker technology.
- Prepare candidates to take and pass F5 101 Exam.

## Audience Details

The primary audience for this course is as follows:

- F5 Administrators or Engineers currently preparing for F5 101 Exam.
- F5 Administrators want to perform Docker implementation and operation.

## Audience Prerequisites

Prior to attending this course, the student should have the following knowledge and qualifications at a minimum:

- Working knowledge of Linux/Unix.

## Course Outline

The following constitutes the proposed course outline.

### Module 1: Introduction to Docker

- Virtualization vs Containerization
- Docker, Inc
- Installing Docker
- Docker CLI

### Module 2: Starting Docker

- Docker Command Basics
- Running a Container
- Creating Nginx Web Server

### Module 3: Working with Docker

- Managing Multiple Containers
- Monitoring Containers
- Container Shell Access

### Module 4: Docker Networking

- Docker Design Concepts
- Virtual Networking
- Docker DNS
- Connecting Web-DB Servers

### Module 5: Container Images

- Image Overview
- Building Images
- Run Images in containers

### Module 1: Open System Interconnection

- Technologies under Physical and Data Link Layer
- Technologies under Network and Transport Layer
- Technologies under Application Layer

### Module 2: F5 Solutions and Technology

- F5 Products
- Introduction to iRules, iApps, iControl
- Fully Proxy and Pack Forwarding architecture
- Connecting to Docker

### Module 3: Load Balancing Essentials

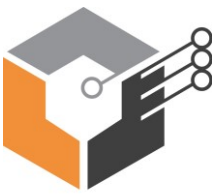
- Load Balancing Methods
- Client and Server Models

### Module 4: Security

- Positive and Negative security models
- Cryptographic Services
- Authentication Technologies
- IPsec and SSLP VPN

### Module 5: Application Delivery Platform

- Use cases, challenges associated with hardware based application delivery and containers
- Acceleration Techniques



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**Lab 1: Lab Access and Test Editor**

**Lab 2: Creating Containers**

**Lab 3: Managing Multiple Containers**

**Lab 4: Docker Networking**

**Lab 5: Container Images**

**Lab 6: Connecting F5 BIG-IP to Docker**

**Lab Demo: Managing F5 BIG-IP**

**F5 Exam 101 Mock Exam**

## **Proposed Delivery Methods**

This course will be presented as Instructor Led Training with Hands-on Lab.