KOENIG SOLUTIONS · COURSE OUTLINE

Administering Applications in F5 Distributed Cloud Services

Learn to deploy, secure, monitor and automate applications using F5 Distributed Cloud Services, from load balancing to API-driven automation.

3 Days	24
DURATION	TOPICS

COURSE OVERVIEW

This course covers the core concepts and architecture of F5 Distributed Cloud Services, including the web-based console, user roles, and deploying applications with API gateways and load balancers. It then moves into advanced deployment and security topics such as global and local load balancing, DNS-based traffic control, Web Application Firewall configuration, DDoS protection, bot defense, and access control with secure authentication. Finally, it addresses monitoring through logs, alerts, and dashboards, troubleshooting common issues, automating deployments with Infrastructure-as-Code and Terraform, and reviewing performance optimisation alongside real-world use cases.

WHO THIS COURSE IS FOR

Network Engineers | **Security Engineers** | **Cloud Administrators** | **Application Administrators** | **DevOps Engineers** | **Solutions Architects**

LEARNING OBJECTIVES

- Describe the architecture and components of F5 Distributed Cloud Services
- Navigate the web-based console and manage user roles
- Deploy applications using API gateways and load balancers
- Configure global and local load balancing with traffic steering policies
- Implement DNS-based traffic control and security policies
- Configure Web Application Firewall, DDoS protection and bot defense
- Analyse logs, alerts and dashboards to troubleshoot issues
- Automate deployments using Infrastructure-as-Code with Terraform and APIs

COURSE SYLLABUS

24 Topics

DAY 1 Introduction to F5 Distributed Cloud Services & Core Concepts

TOPICS

- Overview of F5 Distributed Cloud Services
- Key features and benefits
- Understanding multi-cloud networking and security
- Navigating the web-based console
- User roles and access management
- System components and architecture
- Deploying applications in F5 Distributed Cloud
- Introduction to API gateways and load balancers
- Setting up basic traffic policies

DAY 2 Advanced Application Deployment & Security

TOPICS

- Configuring global and local load balancing
- Traffic steering and routing policies
- Implementing DNS-based traffic control
- Introduction to security policies
- Configuring Web Application Firewall (WAF)
- Implementing DDoS protection and bot defense
- Access control policies
- Secure authentication mechanisms

DAY 3 Monitoring, Automation, and Troubleshooting

TOPICS

Understanding logs, alerts, and dashboards · Application performance monitoring · Troubleshooting common issues

Automation and API Integration

TOPICS

Introduction to Infrastructure-as-Code (IaC) · Automating deployments using Terraform & APIs

Best Practices & Case Studies

TOPICS

- Optimizing performance and cost-efficiency
- Real-world use cases and industry best practices

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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