Enterprise Computing Solutions - Education Services

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Automating BIG-IP with Ansible v.1.7

CODE:	LENGTH:	PRICE:
F5N_BIG-AUTO	16 Hours (2 dage)	kr 14,900.00

Description

This course introduces network administrators, operators, and DevOps engineers to the foundational and F5 Networks-specific technologies required to automate BIG-IP in public and private clouds. Participants will gain exposure to multiple technologies for a variety of use cases and will have hands-on experience that leave them better prepared to work with and deploy automation in the cloud.

Objectives

- Understand the role of automation for public and private clouds
- Describe the components of iControl REST calls and how they interact with BIG-IP
- Stand up and configure BIG-IP applications using iControl REST
- Describe the major components of Ansible and how the work together to configure BIG-IP
- Use flow control elements such as conditionals and looping in Ansible Playbooks
- Stand up and configure BIG-IP applications using Ansible
- Understand the role of containers and microservices and how they are used in the cloud to create complex applications
- Create a basic web service application using Docker containers
- Use BIG-IP to load balance multiple docker containers
- Use Application Services 3 to declaratively configure BIG-IP applications
- Describe the source of truth for each lab exercise

Prerequisites

Students should be familiar with and able to configure basic BIG-IP elements such as:

- Virtual Servers
- Pools, Pool Members and Nodes
- Pool Monitors
- Basic Virtual Server Profiles

In addition, the following general technical knowledge should be well understood:

- Layer 3 and 4 TCP/IP networking concepts, including IP addressing and subnetting
- Layer 2 Ethernet and ARP networking concepts
- Layer 7 HTTP networking concepts
- Linux command line and basic Linux commands
- HTML

Finally, nice-to-have knowledge includes familiarity with programming and/or scripting languages, such as:

- JavaScript or NodeJS
- Python
- Bash

Programme

- Configuring BIG-IP with iControl REST
- Configuring BIG-IP programmatically with Ansible

- Introduction to Docker and Microservices
- Configuring BIG-IP declaratively with Applications Services 3

Session Dates

På anmodning. Kontakt os venligst

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.