

Automating BIG-IP with AS3

Chapter 1: Linux Command Line Review

- Navigating the Linux File System
- Creating and Deleting Files and Directories
- Copying and Moving Files
- Command Line Auto-Completion and Editing
- Tools for Analyzing Test Results and Inspecting Log Files

Chapter 2: BIG-IP Application Creation Review

- Understanding Load Balancing Basics
- Configuring Virtual Servers, Pools, Pool Members and Nodes
- Configuring Health Monitors and SSL Profiles
- Understanding the Full Proxy Architecture and Source Address Translation

Chapter 3: Automation and DevOps Concepts

- Understanding Infrastructure as Code, NetOps and DevOps
- Differentiating Automation and Orchestration Concepts
- Diving into DevOps Concepts such as Idempotency, Atomicity and Imperative vs Declarative

Chapter 4: Programming BIG-IP with iControl REST

- Introducing Basic JavaScript Types
- Introducing JavaScript Object Notation
- Discovering an existing BIG-IP Configuration using iControl REST
- Deploying Apps on BIG-IP using iControl REST
- Onboarding BIG-IP using iControl REST
- Working with JSON Programmatically

Chapter 5: Automating BIG-IP with AS3

- Introducing BIG-IP Applications Services Extension 3
- Creating BIG-IP Applications using AS3 with Curl
- Introducing Postman and Postman Tests
- Creating BIG-IP Applications using AS3 with Postman
- Using Newman and the Linux CLI to Create BIG-IP Applications with AS3

Chapter 6: Onboarding BIG-IP with DO

- Introducing Declarative Onboarding for BIG-IP
- Remotely Installing the Declarative Onboarding iApp LX
- Onboarding BIG-IP Declaratively