# 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