Automating BIG-IP with Ansible

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 Ansible

- Introducing YAML
- Establishing an Ansible Trust Relationship
- Creating an Ansible Playbook
- Exploring the Playbook
- Working with the Inventory File
- Using the Command Module
- Gathering Facts for the Playbook
- Deploying Apps on BIG-IP using Ansible
- Deleting a BIG-IP Application
- Onboarding a BIG-IP system using Ansible
- Deploying BIG-IP HA
- Investigating Ansible Roles