

Technology Primer: ONAP

Cloud computing is transforming telecom service provider networks and ONAP enables the design, creation, and lifecycle management of network services. This course provides a conceptual understanding of the benefits, capabilities, architecture as well as the functionality provided by each of the key ONAP components. Finally, the high-level operations of ONAP and its role in orchestration and service's telemetry is discussed.

Intended Audience

A high-level technical overview to personnel involved in product management, marketing, planning, design, engineering, and operations.

Objectives

After completing this course, the student will be able to:

- Explain how ONAP integrates with OpenStack, NFV and SDN
- Explain life cycle management of a service
- Name the components of ONAP and identify their functions
- Identify the functional elements of ONAP Service Design
- Identify the functional elements of ONAP Run-time
- Step through the operation of ONAP in managing services

Prerequisites

- Technology Primer: Cloud and Virtualization (Instructor Led)
- Technology Primer: NFV (Instructor Led)

Required Equipment

- None

Course Outline

1. Introduction to ONAP

- 1.1 Overview of ONAP, NFV, and SDN
- 1.2 Brief history and ONAP releases

2. ONAP Framework

- 2.1 Lifecycle management of resources/services
- 2.2 ONAP platform and components

3. ONAP Service Design and Creation

- 3.1 SDC architecture
- 3.2 Service creation and models

4. ONAP Runtime

- 4.1 Service deployment and instantiation
- 4.2 Service telemetry and workflow

5. Putting it-all-together

- 5.1 ONAP Summary
- 5.2 Service Instantiation Examples