

ACI Integration and OpenStack (ACISTK)

Module 1: ACI Architecture

Lesson 1: ACI Overview

Lesson 2: ACI Components

Lesson 3: ACI Policy Model

Lesson 4: APIC Features and purpose

Lesson 5: OpFlex Protocol

Module 2: ACI Fabric

Lesson 1: ACI Fabric Operation

Lesson 2: ACI Policy

Lesson 3: Virtual Machine Integration

Lesson 4: Fabric Forwarding

Lesson 5: External L2/L3 Connectivity

Module 3: OpenStack Overview

Lesson 1: Cloud definition

Lesson 2: DevOps requirements

Lesson 3: OpenStack history

Lesson 4: OpenStack design

Lesson 5: OpenStack adoption

Module 4: OpenStack Architecture

Lesson 1: OpenStack Architecture

Lesson 2: Primary Project In OpenStack

Lesson 3: OpenStack and ACI integration

Module 5: OpenStack Networking

Lesson 1: Neutron basics

Lesson 2: ML design

Lesson 3: Plugin architecture

Lesson 4: Open virtual switch

Lesson 5: NXoS integration

Lesson 6: Network design

Module 6: ACI Integration

Lesson 1: ML2 Plugin Overview

Lesson 2: Plugin Components

Lesson 3: Mapping Group Based Policy to APIC

Lesson 4: Virtual environment Integration

Lesson 5: Connecting to other networks

Lesson 6: Network address translation

Lesson 7: sNAT

Lesson 8: Floating IP addresses

Lesson 9: Host Networking

Module 7: Group-Based Policy (GBP) for OpenStack

Lesson 1: GBP design

Lesson 2: GBP Plugin

Lesson 3: GBP implementation