ASM Educational Center (ASM) *Est. 1992*

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Cisco Prime Infrastructure
(Customized Course)

Day 1

Simple Network Management Protocol

- Overview of SNMP
- Different SNMP versions
- SNMP Notifications
- SNMP Configuration Example
- Overview of Syslog
- Format of Syslog messages
- Device configuration for Syslog
- Overview of NetFlow

Prime Infrastructure

- Overview
- Hardware and Software requirements
- Licensing
- Installation

Hypervisors

- Overview
- Bare Metal
- Hosted

VMware ESXi

- Installation

Virtual Machines and Emulators

- Overview

Deploying Prime Infrastructure OVA

- Overview
- Installation of Cisco Prime on ESXI server
- Connection to ESXI Server Via VSphere Client

Building the Network Topology for the classroom with Cisco prime infrastructure

- Overview
- Connect The Live Router and Switch and Build the Lab
- Make sure all the connectivity works well

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Day 2

Prime Infrastructure Operations

- Preparing the network devices
- Configuring the SNMP and Telnet
- Discovering the Network
- Setting up Port Monitoring
- Setting up Site Profiles
- Setting up Virtual Domains
- Managing users
- Creating a Site-Oriented Virtual Domain

Day 3

Prime Infrastructure Operations

- Designing Device Configuration Using Templates
- Viewing Alarms
- Working with Device Configurations
- Comparing Current and Previous Device Configurations
- NetFlow

Maintaining Software Images

- Setting Image Management and Distribution Preferences
- Managing Software Images
- Importing Software Images
- Deploying Software Images to Devices
- Analyzing Software Image Upgrades

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Day 4

Deploying Templates and Tasks

- Planning Template Deployments
- Deploying and Monitoring Configuration Tasks
- Automating Device Deployment
- Configuring Controller Deployments
- Managing Scheduled Configuration Task Templates
- Troubleshooting Template Deployment

Day 5

Monitoring Alarms

- What is an Event
- What is an Alarm
- Where to Find Alarms
- Where to Find Syslogs
- Defining Alarm Thresholds
- Changing Alarm Status
- Configuring Alarm Severity Levels

Using System Logs

- Using System Logs
- Changing Syslog Logging Options
- Look at Administration dashboard , and see how users our connected
- Final Review of Material , more lab on prime infrastructure
- Question and Answer Review

Maintaining Software Images

Setting Image Management and Distribution Preferences
Managing Software Images
Importing Software Images
Deploying Software Images to Devices
Analyzing Software Image Upgrades