



IMPLEMENTING CISCO PRIME CABLE PROVISIONING 6.1 BROADBAND ACCESS CENTER – BAC (CPCP)

COURSE OVERVIEW

Cisco Prime Cable Provisioning [also known as Cisco Broadband Access Center (BAC)] provides a single platform for simplified management of cable subscriber devices and automated service provisioning. BAC functionality is now available as a component of Cisco’s PRIME suite of network management applications.

Cisco Prime Cable Provisioning [also known as Cisco Broadband Access Center (BAC)] provides a single platform for simplified management of cable subscriber devices and automated service provisioning. It offers a centralized platform to control and configure CPE devices. Services include data provisioning for residential home gateways, cable modems, and set-top boxes as well as voice provisioning for media termination adapters (MTAs) and digital voice adapters (DVAs). The platform also supports voice and data provisioning for Ethernet passive optical network (EPON) devices.

WHO WILL BENEFIT FROM THIS COURSE?

This course is designed for technical professionals who need to know how to deploy Cisco Broadband Access Center in a large-scale network.

The primary audience for this course includes:

- Cable Operator Network Operation Center personnel
- System Engineer/ Integrator/Solutions support personnel
- Network Admins and Solution Architects
- Channel partners, resellers

PREREQUISITES

Following are the strongly recommended prerequisites for this training course:

Students should have foundational knowledge and/or experience with –

- TCP/IP networks, DNS, and DHCP principles of operation
- Basic Service Provider networking – including OSS/BSS functions
- Cisco IOS Command Line Interface (CLI).



COURSE OBJECTIVES

You will learn the Prime Cable Provisioning (PCP) architecture, PCP installation in a Linux environment, DOCSIS provisioning with PCP, configuring RDU Extensions using REST API, upgrading and migrating PCP components, CLI commands used for performance and traffic monitoring, and perform key PCP configuration and verification tasks during hands-on labs. Each student lab pod is a dedicated multi-server environment

COURSE OUTLINE

Course topics include the following:

- Configuring CNR to use PCP
- Installation of PCP on a Linux Server
- DOCSIS Provisioning with PCP server components
- DPE Configuration
- RDU Configuration
- Device Bootup Testing using Device Simulator Tools
- Upgrading and Migrating PCP Components
- Configuring RDU Data using REST API
- Introduction to Provisioning Web Services (PWS)
- Groovy Scripting and Templates
- Using Log Summary tools to get Traffic and Performance Statistics
- Data Backups, Redundancy, and Exporting
- RDU Extensions

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012



Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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