

Converged Campus: ERS Solution Installation and Configuration

6721C



Delivery Type: Classroom

Duration: 5 days

Overview

The Converged Campus solution combines a highly available network infrastructure with proven, feature-rich business telephony and applications.

In this course, you will explore the installation process for Ethernet Routing Switches including licensing and PoE configurations. You will examine the processes involved in the implementation of Avaya's small, medium, and large converged campus solutions.

Hands-in labs allow you to configure the ERS 8600 to serve as the network core and ERS 5500s to serve on the network edge. Labs use a combination of the ERS 8600 CLI, ACLI on the ERS 5500, and Enterprise Device Manager.

Pre-Requisites

Attendees should meet the following prerequisites:

- ✓ Working knowledge of Ethernet network communications including IP Routing and frame switching

- ✓ Working knowledge of Internet Protocol (IP) routing, Ethernet technologies, Virtual Local Area Networks (VLAN), Spanning Tree Protocol (STP), Internet Group Management Protocol (IGMP), 802.1Q protocol and frame tagging, router and switch operation.
- ✓ Attendance at the following courses:
 - Ethernet Fundamentals (0077)
 - IP Fundamentals (0229)
 - Ethernet Switching and Resiliency (6701)
 - IP Routing (6702)

Target Audience

The course is designed for technical staff responsible for the design of Campus Solutions using Avaya's Ethernet Routing Switch products. It also prepares technical personnel for the installation, operation, and management of the Avaya Ethernet Routing Switches.

Objectives

After you complete this course you will be able to:

- ✓ Understand the architecture of the Converged Campus Ethernet Routing Switch Solutions;

- ✓ Install the ERS 8800, ERS 8600, and ERS 8300
- ✓ Install ERS 5000, 4500, 2500, and 1600;
- ✓ Use the software features of the ERS family of products;
- ✓ Understand how Split Multi-Link Trunking (SMLT) operates in the network, the advantages of SMLT, and design considerations for SMLT;
- ✓ Configure the basic core and basic edge of the converged network;
- ✓ Perform Layer 3 redundancy choices on the ERS, including VRRP and Routed Split Multi-Link Trunking (RSMLT), and the design recommendations;

- ✓ Apply the processes needed to configure the additional core features of the converged network;
- ✓ Apply the processes needed to configure the additional edge converged network.

Follow on Courses

The following courses are recommended for further study:

- ✓ ERS 8800/8600/8300/1600 Advanced Configuration and Maintenance (6722)
- ✓ ERS 5000/4500/2500 Advanced Configuration & Maintenance (6723)