

Learning@Cisco

Explorer Controller Suite (ECS) Foundation



The Explorer Controller Suite (ECS) Foundation (ECS203) course¹ is an instructor-led, lab-based, hands-on course offered by Learning@Cisco that introduces you to the Explorer Controller Suite (ECS) for the Cisco Digital Broadband Delivery System (DBDS).

This course familiarizes you with the Common Management Console (CMC) GUI and how the CMC application is used to manage Explorer Controllers (ECs), manage customer premise equipment (that is, RF set-top boxes [STBs]), provision services for multiple Explorer Controllers simultaneously (regional provisioning), access reports and service logs, view and respond to system alarms, back up Explorer Controllers, manage Cisco Option Package (COP) files, execute ECS commands using the Command Line Interface (CLI), add users for ECS access, and view audit logs.

Duration

Instructor-Led-Training (ILT) delivery: 3 days

Virtual-Instructor-Led Training (VILT) delivery: 4 days

Target Audience

This course is designed for technical professionals who need to know how to operate the Explorer Controller Suite.

Targeted roles include:

- System engineers
- Technical support personnel
- Channel partners and resellers

¹ Course content is dynamic and subject to change without notice.

Tasks and Features Covered

The following tasks and features are described and discussed in this course:

- Logging in and navigating the Common Management Console (CMC) to access ECS functions
- Registering and accessing Explorer Controllers with the CMC ECS menus
- Adding, moving, and provisioning Explorer Controller customer premise equipment (RF endpoints) from the CMC ECS menus
- Provisioning services and channel maps using Bulk Provisioning
- View ECS Summary Information, Reports, and Service Logs
- View and respond to Alarms
- Manage EC software packages
- Perform administrative tasks such as adding ECS users, executing commands, and executing EC system backups

Course Prerequisites

Completing the following courses is required before taking this course.

- Cisco Explorer Controller (EC) Foundation Training course (ECF)
- Cisco Explorer Controller (EC) Intermediate Training course (ECI)

Recommended Prerequisites

Cisco recommends that you have a fundamental understanding of how service providers receive, process, and distribute video services in their particular environments.

Course Outline

- **Module 1: ECS Overview Collection**
 - ECS Benefits and Features
 - ECS Hardware and Software Basics
 - ECS User Interface Overview
 - Accessing and Navigating the CMC
- **Module 2: EC Management**
 - Accessing an EC's User and CLI Interfaces
 - Backing Up an EC
- **Module 3: CPE/Set-top Management**
 - Querying a CPE and/or Set-Top Box (STB)
 - Moving a CPE and/or STB
 - Deleting a CPE and/or STB
 - Batch Installing CPEs and/or STBs

- **Module 4: Regional Provisioning Service**
 - Introducing Regional Provisioning Service (RPS)
 - Provisioning ECs with Regional Provisioning
 - Provisioning with the Additional Templates
 - Provisioning Linear Channel Services (LCS)
 - Provisioning Channel Maps
 - Securing a Service with the LCS Template
 - Provisioning Packages
 - Provisioning Pay-per-View (PPV)
 - Provisioning Enhanced Channel Maps
- **Module 5: Reports Collection**
 - Generating Reports
 - Viewing Saved Reports
- **Module 6: Alarm Management**
 - ECS Alarms Overview
 - Responding to and Filtering Alarms
 - Configuring Alarm Settings for Cleanup, Display and Emails
- **Module 7: Log File Locations and Service Log Settings**
 - Log File Location Overview
 - Setting ECS Service Log Levels
- **Module 8: COP File Management**
 - COP File Overview
 - Installing and Uninstalling COP Files
 - Upgrading COP Files
- **Module 9: User Management and Auditing**
 - Working with Users and User Groups
 - Viewing Audit Trails (Users) and Audit Logs (Services)

Lab Outline

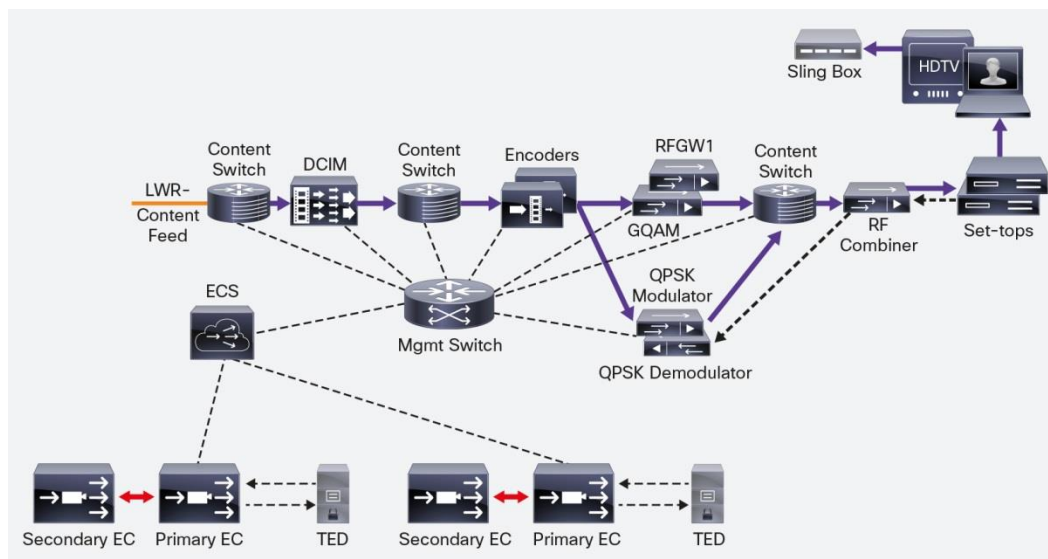
- **Labs for ECS Overview Collection**
 - Task 1: Accessing the Cisco Training Lab Virtual Machines
 - Task 2: Log into the ECS
- **Labs for EC Management**
 - Task 1: Access an EC's User Interface (UI)
 - Task 2: Access an EC's CLI)
 - Task 3: Back Up Key Files and Database

-
- **Labs for CPE/Set-top Management**
 - Task 1: Query a CPE and/or STB
 - Task 2: Move a CPE and/or STB to a Different EC
 - Task 3: Delete a CPE and/or STB from an EC
 - Task 4: Delete a CPE and/or STB from the Cloud Repository
 - Task 5: Batch Install CPEs and/or STBs
 - **Labs for Regional Provisioning**
 - Task 1 Download XML Templates
 - Task 2: Add a Hub to an EC using an XML template
 - Task 3: Remove Hub from the EC(s)
 - Task 4: Add a Service to the EC(s)
 - Task 5: Add Service to the Channel Map
 - Task 6: Secure a Service
 - Task 7: Assign your Service to a Package
 - Task 8: Create a Pay-Per-View Service
 - Task 9: Enhanced Channel Map Demonstration
 - **Labs for Reports Collection**
 - Task 1: Create and Save a Report
 - Task 2: Create Scheduled Reports
 - Task 3: View Saved Reports
 - Task 4: View Scheduled Reports
 - **Labs for ECS Alarm Management**
 - Task 1: View Alarms: Alarm Browser
 - Task 2: View Alarms: Alarm Summary Tab
 - Task 3: View Alarms: Operate > Alarms & Events Menu
 - Task 4: Respond to Alarms
 - Task 5: Filter Alarms
 - Task 6: Configure Alarm Settings
 - Task 7: Display Options
 - Task 8: Alarm Email Settings
 - Task 9: View the Mail Server Configuration
 - **Labs for Viewing Log Files and Setting Logging Levels**
 - Task 1: Access the ECS CLI to View Log Locations
 - Task 2: Collect a Node Log
 - Task 3: Change the Log Levels for an ECS Service

- **Labs for COP File Management**
 - Task 1: View Installed COP Files
 - Task 2: Install a COP File and Configuration File
 - Task 3: Uninstall a COP File
 - Task 4: Upgrade a COP File
- **Labs for User Management**
 - Task 1: Add a New User
 - Task 2: Delete a User
 - Task 3: Change Your Password
 - Task 4: Configure Password Settings
 - Task 5: View User Audit Trails
 - Task 6: View User Group Audit Trails
 - Task 7: View Audit Logs for Services (Audit Lists)

Lab Topology

This figure shows the lab topology for all labs in this course.



Registration Email

For more information about schedules and registration for this course, contact aeskt_registration@cisco.com.

Cisco Capital Financing Helps You Achieve Your Objectives

Cisco Capital[®] financing can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce Capital Expenditures (CapEx), accelerate your growth, and optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital financing is available in more than 100 countries. [Learn more.](#)

Website Addresses for More Information

For more information, visit the following websites:

- Cisco Learning Services for Cisco products and technologies: <https://www.cisco.com/go/cls>
- Security training: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/security.html>
- Data center training: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/data-center.html>
- Network management training: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/network-management.html>
- Optical networking training: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/optical.html>
- Service provider mobility training: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/mobile.html>
- Routing training for service providers: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/service-provider-routing.html>
- Broadband video training for service providers: <https://www.cisco.com/c/en/us/training-events/resources/learning-services/technology/service-provider-video.html>




Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at <https://www.cisco.com/go/offices>.

 Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)