

Networks

Stratix 5700 Switch Configuration for an EtherNet/IP™ Network Course Description

COURSE AGENDA

Day 1

- Configuring Stratix 5700 Switch Settings Using the Express Setup
- Creating and Assigning VLANs
- Configuring DHCP Persistence
- Configuring Network Address Translation (NAT)
- Configuring Port Security and Traffic Monitoring

Day 2

- Monitoring Stratix 5700 Switch Status and Performance
- Managing a Stratix 5700 Switch Using a Studio 5000 Logix Designer Project
- Troubleshooting a Stratix 5700 Switch
- Updating Stratix 5700 Switch Firmware



COURSE NUMBER: CCP179

Course Purpose

After completing this course, you should be able to:

- Configure a Stratix 5700 switch (applicable to the Stratix 8300 and 8000 switches) for industrial communications over an EtherNet/IP network
- Monitor switch performance and status
- Troubleshoot a Stratix 5700 switch

You will learn how to use the Device Manager Web Interface, a graphical device management tool, and Studio 5000 Logix Designer™ software to configure and monitor the switch.

This course prepares you to effectively secure and limit access to the switch. It also covers one-to-one IP address translation (referred to as Network Address Translation) for segmenting machine-level network devices from the plant network.

You will also have an opportunity to run diagnostic tests to help resolve system and port issues on the switch as well as perform common functions such as resetting the switch.

Who Should Attend

Individuals responsible for configuring a Stratix 5700 switch for an EtherNet/IP network should attend this course. This course is applicable to the Stratix 8300 and 8000 switches.

Prerequisites

To successfully complete this course, the following prerequisite is required:

- Completion of the *EtherNet/IP™ Fundamentals and Troubleshooting* course (CCP180) or equivalent experience

Technology Requirements

All technology is provided for student use in the classroom by Rockwell Automation. It is not necessary for students to bring any technology with them when attending this course.

Student Materials

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- *Student Manual:*
 - Contains the topical outlines and exercises
 - Used to follow presentations, take notes, and work through exercises
- *EtherNet/IP Procedures Guide:*
 - Provides the steps required to complete tasks common to configuring devices to communicate over an EtherNet/IP network.
- *EtherNet/IP Documentation Reference Guide:*
 - Contains frequently referenced technical documentation
 - Searchable, electronic resource

Hands-On Practice

Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises:

- Exercises focus on the skills introduced in each lesson.
- Exercises are performed on an EtherNet/IP workstation.

Course Length

This is a two-day course.

Course Number

The course number is CCP179.



IACET CEUs

CEUs Awarded: 1.4

To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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