

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 Stratix 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.

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Who Should Attend

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

Prerequisites

To successfully complete this course, completion of the EtherNet/IP Fundamentals and Troubleshooting course (CCP180) or equivalent experience is required.

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 the students' learning experiences, the following materials are provided as part of the course package:

- *Student Manual:*
 - Includes the key concepts, definitions, examples, and activities presented in this course
- *Lab Book:*
 - Provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback.
- *EtherNet/IP Procedures Guide:*
 - Provides the steps required to complete tasks common to configuring devices to communicate over an EtherNet/IP network.

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 and are performed on an EtherNet/IP workstation.

Course Length

This is a two-day course.

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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