Networks
EtherNet/IP™ Fundamentals and Troubleshooting Course Description

COURSE AGENDA

Day 1
- Assigning a Computer's IP Address
- Pinging a Module's IP Address
- Assigning IP Addresses Using RSLinx Classic Software and Rotary Switches
- Assigning IP Addresses Using BOOTP-DHCP Server Software
- Isolating EtherNet/IP Network Problems
- Diagnosing Problems with EtherNet/IP Modules
- Diagnosing Problems with EtherNet/IP Network Components
- Monitoring an EtherNet/IP Network Using Web-Enabled Technologies

COURSE NUMBER: CCP180

Course Purpose

After completing this course, you should be able to:
- Assign IP addresses to devices for communications over an EtherNet/IP network
- Diagnose and resolve issues with devices on an EtherNet/IP network

With this course, you will learn how to use various tools to assign IP addresses, such as BOOTP-DHCP Server software, RSLinx Classic software, and rotary switches.

This course prepares you to effectively resolve issues with communications between a controller and the devices it is controlling. You will troubleshoot an EtherNet/IP network's media and components, including a Stratix 5700 switch.

You will also have an opportunity to monitor diagnostic information using web-based technologies and modify a web server module's data views and tag values.

Who Should Attend

Individuals responsible for maintaining and troubleshooting devices on an EtherNet/IP network should attend this course.

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Prerequisites

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

- Completion of the *Studio 5000 Logix Designer*™ *Level 1: ControlLogix System Fundamentals* course (CCP146) or equivalent experience, such as downloading project files to a ControlLogix controller

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 one-day course.

Course Number

The course number is CCP180.

IACET CEUs

CEUs Awarded: .7

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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