AUTOMATION

COURSE CCP183

EtherNet/IP Configuration & Troubleshooting

This course should prepare you to effectively:

- Configure a Stratix® switch (5700, 8000, and/or 8300) to meet a variety of network requirements
- Assign IP addresses to devices on an EtherNet/IP network using rotary switches and a variety of software
- Monitor switch performance and status
- Diagnose and resolve issues with switches and devices on a network

During switch configuration, you will have an opportunity to:

- Configure a switch using both the Device Manager Web Interface and Studio 5000 Logix Designer® software
- Set up one-to-one IP address translation (NAT) for segmenting machine-level network devices from the plant network
- Secure and limit access to a switch

Once the EtherNet/IP network is up and running, you will monitor diagnostic information using web-based technologies and modify a web server module's data views and tag values.

You will resolve issues with communication between devices on a network. You will troubleshoot an EtherNet/IP network's media and components (including the Stratix 5700 switch); run diagnostic tests to resolve system and port issues; and perform common functions such as resetting the switch.

Wednesday, October 9 - Friday, October 11

8 AM - 5 PM

SMC Cape Girardeau
2333 Rusmar St
Cape Girardeau, MO

Cost: $2,583
Includes Lunch

RA Authorized Service Provider
A ROCKWELL AUTOMATION PARTNER

For more information, please contact Aislinn Roberts at aroberts@smcelectric.com

Course Agenda

REGISTER HERE

DAY 1

- Assigning a Computer's IP Address
- Pinging a Device's IP Address
- Assigning IP Addresses Using RSLinx Classic Software and Rotary Switches
- Assigning IP Addresses Using BOOTP/DHCP Server Software
- Configuring Stratix 5700 Switch Settings Using the Express Setup
- Creating and Assigning VLANs

DAY 2

- Configuring DHCP Persistence
- Configuring Network Address Translation (NAT)
- Configuring Port Security and Traffic Monitoring
- Monitoring Stratix 5700 Switch Status and Performance
- Managing a Stratix 5700 Switch Using a Studio 5000 Logix Designer Project

DAY 3

- 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
- Troubleshooting a Stratix 5700 Switch
- Updating Stratix 5700 Switch Firmware

PREREQUISITES

- 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

To register, please contact Aislinn Roberts
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