SIEMENS

Switching and Routing in Industrial Networks with Siemens SCALANCE / 基于西门子SCALANCE的工业网络交换和路由技术 (A7242)

Objectives

In the Switching part of the course you will learn Switched Network solutions and how they connect to real-time capable systems in theory and in practice. You not only gain an insight into industrial switching concepts, you also implement them in ample practical exercises. At the end of the course, you are not just familiar with the requirements of such solutions. With the knowledge you will have gained, you can plan, implement, and provide support for plain industrial networks.

Target Group

- Technical sales personnel
Industry: COOs, commissioning engineers, project engineers, maintenance and service technicians
- IT: CIOs, network architects, administrators, service personnel

Content

- Comparison of Ethernet and Industrial Ethernet
- Typical Network Topology
- Layer 2 Redundancy Mechanisms (MRP, HRP, Standby Redundancy, RSTP, Passive Learning, HSR and PRP)
- Network segmentation using VLANs
- IPv4 Basics (Addressing, Data Switching, Important IP protocols)
- Static and Dynamic Routing (RIP, OSPF)
- Router Redundancy(VRRP)
- Network Diagnostics and Analysis
- Certificate Exam

Prerequisites

Able to understand Ethernet Fundamentals in Industrial Networks

Type

Face-to-face training

Duration

5 days

Language

zh

Fee

9,000 CNY