ABB UNIVERSITY COURSE DESCRIPTION

US925
Cyber Security Services for ABB Automation Systems
Patch Management, Antivirus, and Disaster Recovery

Learn manual and automated methods for patch management, antivirus, and software backup and recovery on a variety of ABB control systems. Learn how to choose the appropriate method for the system.

Course type and methods
This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab.

Student Profile
This course is for ABB personnel who install, commission, support, and maintain ABB control systems.

Prerequisites
Students should have good working knowledge of Windows 7/8.1, Windows Server 2008/2012 R2, TCP/IP Networks, and Microsoft Active Directory administration and troubleshooting. Successful completion of ABB University Courses NA939 and NA940 meets these prerequisites.

Course objectives
Upon completion of this course the participants will be able to:
• Identify the ABB Approved Security Updates and Antivirus Definitions for ABB control systems
• Install Approved Updates manually
• Install an Automated Patch Management System
• Manually Install and Configure McAfee Antivirus
• Install a Centralized Antivirus Solution
• Design a Software Backup Strategy for an ABB Control System
• Identify ways to test backups

Main topics
• ABB Security Workplace Tool
• 800xA Security Update Tool
• WSUS Offline Tool
• Manual updates for other ABB systems
• Microsoft WSUS configuration
• McAfee VirusScan Enterprise configuration
• McAfee Centralized ePO configuration
• ABB Control System Backup Strategy
• Application backups
• Acronis and Dell AppAssure Products
• Microsoft Windows backup and recovery
• Malware Detection and Forensics

Duration
The duration is 5 days
### Course Outline

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- Automated methods for Microsoft Updates
- Antivirus Installation and Configuration
- Centralized Antivirus Management
- Application Backup Strategies
- Disk Imaging
- Testing Backups
- Disaster Recovery Strategy
- Malware Detection and Forensics

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