

## 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

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**Course Outline**

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Day 1	Day 2	Day 3	Day 4	Day 5
<ul style="list-style-type: none"><li>• Manual methods for Microsoft Updates</li><li>• Automated methods for Microsoft Updates</li></ul>	<ul style="list-style-type: none"><li>• Antivirus Installation and Configuration</li><li>• Centralized Antivirus Management</li></ul>	<ul style="list-style-type: none"><li>• Application Backup Strategies</li><li>• Disk Imaging</li></ul>	<ul style="list-style-type: none"><li>• Testing Backups</li><li>• Disaster Recovery Strategy</li></ul>	<ul style="list-style-type: none"><li>• Malware Detection and Forensics</li></ul>

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