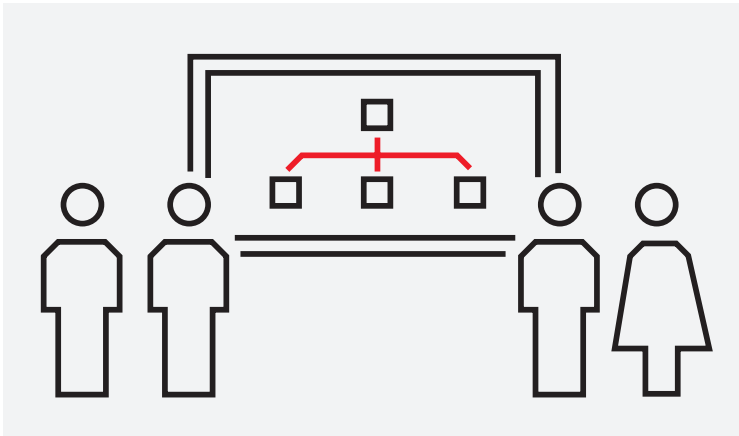# S303
Cyber Security for Symphony Plus

Learn to configure and administer the Cyber Security controls of your Windows Operating System and Symphony Plus Control System including System Hardening, Role Based User Management and Microsoft Patching.

Learning objectives

Upon completion of this course, students will be able to:
- Understand the basic theories of implementing a defence in depth program.
- Identify potential risks when using a non-secure system.
- Identify potential attacks used by hackers
- Execute system hardening

- Know the concepts of Domain and Workgroup environments
- Execute basic system hardening
- Configure the Windows Update using the off-line and on-line available tools
- Configure the Antivirus Update using the off-line and on-line available tools
- Configure Symphony Plus Users
- Familiarize with ABB's CSWP tool
- Use CSWP Antivirus management module
- Use CSWP Patches management module
- Use CSWP Hardening module
- Use CSWP Backup & Restore module
- Use CSWP Reports, Events & Logs module

Participant profile

This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

Prerequisites

Students should have strong knowledge of Windows Operating Systems, TCP/IP Networks, and Microsoft Active Directory administration and troubleshooting.

Topics
- Introduction to Cyber Security
- Cyber Attack Overview
- IT/OT Network and security weakness
- System Hardening - Services
- System Hardening - Firewall
- System Hardening - Policy
- System Hardening - Miscellaneous
- AD & DS - Security
- Windows Update - WSUS
- Antivirus Update - McAfee
- Symphony Plus User Management
- Overview of CSWP
- CSWP Requirement & Specification
- CSWP - Antivirus Management
- CSWP - Patches Management
- CSWP - Hardening: Services, Ports, Firewall
- CSWP - Backup & Restore
- CSWP - Report & Events & Logs

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 activities.

Duration

4 1/2 days

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Agenda

Day 1	Day 2	Day 3	Day 4	Day 5
Course overview	System Hardening - Services	Antivirus Update - McAfee	CSWP - Patches Management	CSWP - Report & Events & Logs
Introduction of Cyber Security	System Hardening - Firewall	Symphony Plus User Management	CSWP - Hardening: Services, Ports, Firewall	Hands-on lab: exercises
Cyber Security on Industrial Control Systems (ICS)	System Hardening - Policy	Overview of CSWP	CSWP - Backup and Restore	Questions & Answers
Cyber Attack Overview	S+ Hardening - Misc.	CSWP Requirement & Specification	Hands-on lab: exercises	
IT/OT Network and security weakness	AD & DS - Security	CSWP - Antivirus Management		
Hands-on lab: exercises	Windows Update - WSUS	Hands-on lab: exercises		
	Hands-on lab: exercises			

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