Introduction to Industrial Internet of Things

Course Agenda

- Understand and apply fundamental concepts and methods related to the fields of information technology and security.
- Align overall organizational operational goals with security functions and implementations
- Protecting assets
- Application of security design principals
- Application of appropriate security control mitigations for vulnerabilities present
- Cryptography and the security services
- Concepts and architecture that define the associated technology and implementation systems and protocols at the Open Systems Interconnection (OSI) layers
- System Lifecycle (SLC)
- Software Development Lifecycle (SDLC)
- Implementing security in modern frameworks

Course Number

CBS-IIOT

Course Purpose

After completing this course, you should be able to get a comprehensive overview of cybersecurity and related technologies, with hands-on practice as the attacker and the defender.

You will have the opportunity to develop and practice these skills by:

- Learning basic concepts and terminology used with:
  - Open Systems Interconnection (OSI) model layers 1–7
  - System Lifecycle (SLC)
  - Software Development Lifecycle (SDLC)
- Practicing a systematic strategy for implementing:
  - IACS security program
  - Cryptography security services
- Performing hands-on exercises

Who Should Attend

This course is suitable for Executives, Managers, Project Leads and Architects.

Prerequisites

To successfully complete this course, the following prerequisite is required:

- Keen interest in cybersecurity
- Either hacker or developer background helpful

Technology Requirements
We would require good internet connection to connect to remote labs. The students must connect to the labs using their laptops.

Student Materials
To enhance and facilitate your learning experience, course materials are provided as part of the course package:

Hands-On Practice
Throughout this course, you will have the opportunity to practice the skills you have learned through a variety of hands-on exercises:

Course Length
This is a two-day virtual-instructor-led course.

To Register
To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley® Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

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