

## **Training course "SCADA Security Foundations Theory Course"**

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**Author:** Glib Pakharenko

**Duration:** 2 days

The "SCADA SECURITY FOUNDATIONS THEORY" trainings will allow participants to gain a wide set of knowledge to manage and operate security of the SCADA/ICS (Supervisory Control and Data Acquisition/Industrial control systems) environments. You will have all required skills to face the most difficult problems, which include:

- assess risk for SCADA/ICS systems
- manage security processes for SCADA/ICS environments
- develop and implement security controls for SCADA/ICS
- understanding the basics of audit approach for SCADA/ICS.

This is solely practical training! You immediately will work. The training adopted for an audience which represents students with completely different background. If you are just a novice, you will be solving simple tasks. If you are professional, you will have a set of very sophisticated tasks. The obtained experience will mandatorily increase your value for employees and customers and bring a tremendous level of a professional confidence to you personally.

### **The training course is designed for:**

- CTO/CIO
- SCADA/ICS security specialists
- SCADA/ICS architects
- SCADA/ICS software developers/system administrators
- project managers who implement SCADA/ICS
- auditors who audit SCADA/ICS.

### **Course syllabus: "SCADA Security Foundations Theory Course"**

1. SCADA and ICS systems overview
2. Standards (ISA 62443 and others)
3. Key concepts
4. Industrial networks
5. Industrial protocols
6. Network security
7. Establishing a security program
8. Risk assessment
9. Security for service providers
10. Secure system development and implementation
11. Security policies
12. Access control management
13. Attacks' detection
14. Vulnerability management
15. Securing communications
16. SCADA/ICS continuity and disaster recovery.