Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Windows Server, Linux courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

215,00 €

PRICE INCL. VAT

264,45 €

including 23 % VAT

PDF SYLLABUS

Windows Server - Server and Active Directory Domain Security

Clear overview of course topics, training scope and key information.

Discover the security mechanisms that you can apply in your company domain. We will explain the basic principles of information security and the concepts of security standards, which you will then apply to securing your Windows Servers. We will pay special attention to security measures for Active Directory domains. You will apply the often required standards in practice. You will practice a wide range of security measures against specific threats.

COURSE CONTENT

01 **Terminology of Basic Information Security Concepts and Their Connection with Measures in Practice**

02 **Management of Information Security with Regard to the Windows, Windows Server and Active Directory Environment**

03 **Security Mechanisms of Windows Server**

Discussion of Windows system services and elements that may represent attack vectors, secure installation and configuration of Windows

04 **Basic Concepts of Windows Server Security**

Operating system updates, updating critical applications, antivirus protection, physical server protection

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05 **Group Policy as a Tool for a Secure Unified Environment**

Principles for setting passwords in a domain, rules for using and distributing passwords, password policy and account lockout, local vs domain group policy, independent application of group policy to your own server according to international standards

06 **Windows Updates**

Discussion of risks associated with non-updated systems, options for using the WSUS (software update service)/WSUS server service

07 **Firewall**

Basic concept of a firewall and its implementation in Windows Server, software and hardware solutions, their advantages, disadvantages and use, principles of correct configuration, placing the server in the DMZ

08 **User Accounts and User Groups**

Difference between a domain and local account, types of groups and their use (review), overview of strategies for assigning access rights, RBAC + security principles when sharing files

09 **Concept of a Remote Private Network - VPN**

Options for implementing a remote network according to security level, concepts and scenarios for using VPN network protocols: PPTP, IPSec, OpenVPN and others... scenarios of use and purposefulness

10 **Final Summary**

Discussion of possible additional measures to increase local network security, conclusion

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This document serves as an informational overview of the course syllabus. Current dates, venue and availability are listed at Macrosoft.sk.

https://www.macrosoft.sk/en/courses/windows-server-system-security