Windows Server 2008 – MTA

MTA is a new entry-level Certification from Microsoft that validates the foundational knowledge needed to take the first step toward building a successful career in technology.

Designed for

These courses are designed to provide students with their first step toward becoming a Microsoft Certified Solutions Associate (MCSA) They are the courses available for MTA Infrastructure Track.

Prerequisites

It is recommended that students have around 1-2 years' experience in administrating a windows network.

Aims and Objectives

This training course prepares students for Microsoft exams 98-365, 98-366, 98-367 and 98.349. The Windows Server 2008 MTA programme comprises 4 courses:

1. Windows Operating Systems Fundamentals 98-349

This course helps prepare students to pass the Microsoft exam 98-349, Microsoft Technology Associate: Windows Operating System Fundamentals.

Course Content

Session 1: Introduction, Windows OS, Windows Interfaces, Planning Installations, Advanced Installation Topics, Desktop Features, Configuring the Interface.

Session 2: Using Native Applications, Configuration Settings, The Control Panel, Control Panel Applets, Mobility Solutions, MMC and PowerShell, Planning for Applications, Application and Deployment Control.

Session 3: Malware, Controlling Malware, File Systems, Libraries, Network Shares, Creating Shares, Using Printers, Managing Devices.

Session 4: Storage, Troubleshooting Theory, Troubleshooting Tools, Backup Solutions, Backup and Restore, Patch Management.

2. MTA Windows Server Administrator Fundamentals 98-365

This training course is designed to provide students with an understanding and explanation of fundamental server administration concepts. This training course prepares students for Microsoft exam 98-365.

Course Content

Session 1: Introduction, Installing Windows Server, Server Types, Windows Server Roles, File and Print Servers, Active Directory, Managing Active Directory.

Session 2: Internal Server Storage, External Server Storage, Understanding RAID, Configuring RAID, Server Virtualization, Basic Server Administration.

Session 3: Server Maintenance, Processors and Memory, Performance Baselines, Troubleshooting Server Problems, Booting the Server, Using Event Viewer, Disaster Recovery.

3. MTA Networking Fundamentals
Session 1: Introduction, Internet, Intranet and Extranet, Understanding LANs, Wired vs. Wireless LANs, Understanding WANs, Understanding Wireless Networking, Networking Topologies and Access Methods.

Session 2: Understanding Switches, Switches in Depth, Understanding Routers, Network Cabling Part I, Network Cabling Part II.

Session 3: Understanding the OSI Model Part I, Understanding the OSI Model Part II, IP Addressing Part I, IP Addressing Part II, Introduction to Name Resolution, Networking Services and Tools.

4. MTA Security Fundamentals Course

Session 1: Introduction, Security Principles, Threats and Risks, Authentication Fundamentals, Windows/PKI Authentication, Password Policies, User/Group Management.

Session 2: Permission Management, Auditing, Physical Security Solutions, Malware Protection, Internet Explorer Security, Encryption Basics, Windows Encryption Technologies.

Session 3: Network Perimeter Security, Network Segmentation, NAP, Network Protocol Security, Wireless Network Security, Client Protection, Server Protection, E-mail Protection.

Benefits

- **The flexibility and value of a self-study course designed to enable you to work at your own pace**
- **The opportunity to gain the widely recognised Pitman Training Certificate**
- **The opportunity to gain certification which is recognised by industry computing manufacturers and organisations**

Course duration: 130 hours (approx.)

The duration of the course is approximate and is dependent on the individual student.

* Please note that Vendor specific exams can be separately arranged.

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