



MS6437A – Designing a Windows Server 2008 Applications Infrastructure

Objectif After completing this course, students will be able to: design IIS 7 Web farms, optimize IIS 7 for performance and stability, design IIS 7 for security, design IIS 7 for reliability, recovery, and monitoring, design and prepare a Terminal Services infrastructure, design a Terminal Services maintenance strategy, plan and configure a Windows Media Services infrastructure for live and on-demand delivery, implement virtualization to consolidate servers, support legacy applications, and create a test environment, determine virtualization appropriateness and virtual server provisioning.

Pré requis Before attending this course, students must have one or more of the following: intermediate understanding of networking. For example, how TCP/IP functions, addressing (including DHCP), name resolution (DNS/WINS), and connection methods (wired, wireless, VPN), NET+ or equivalent knowledge, intermediate understanding of network operating systems. For example, Windows 2000, Windows XP, Windows Vista, Windows Server 2003 etc., intermediate understanding of security best practices. For example, file system permissions, authentication methods, Kerberos etc., intermediate knowledge of server and network hardware, conceptual understanding of Active Directory (AD). For example, AD terminology, AD object types Hands-on experience with more than one application service such as: IIS, Terminal Services, Windows Media Services, Virtual Server, Hyper-V, System Center Virtual Machine Manager

Durée 3 jours

Contenu

Module 1: Designing IIS Web Farms

- Overview of Hardware and Platform Options
- Design Web Farm Availability and Scalability
- Design Content Storage

Module 2: Optimizing IIS Performance and Stability

- Designing Application Pools
- Designing Script Mapping
- Designing Bandwidth Allocation
- Design Web Site Logging

Module 3: Designing IIS Security

- Design and Verify Transport Security
- Design Authentication and Authorization
- Design Delegation Administration

Module 4: Design IIS Maintenance and UDDI

- Designing Internet Information Services Backup and Recovery
- Specify Monitoring Requirements
- Deploying UDDI Services
- Tuning and Troubleshooting IIS 7

Module 5: Designing a Terminal Services Infrastructure

- Design Terminal Services Licensing
- Specify Terminal Services Connection Properties
- Design Device Redirection
- Design Terminal Services Gateways
- Design Terminal Services Broker
- Design RemoteApp Programs

- Design Web Access

Module 6: Designing a Terminal Services Maintenance Strategy

- Design Windows System Resource Manager (WSRM) Policies for Application Resource and Reporting
- Specify Group Policy Settings for Terminal Servers
- Design High Availability
- Specify Monitoring Requirements
- Specify Maintenance and Recovery

Module 7: Design Windows Media Services Infrastructure Administration

- Design Windows Media for Live Streaming
- Windows Media Services for On-Demand Content
- Improving Performance for On-Demand Content
- Monitoring Windows Media Services

Module 8: Design Virtualization Infrastructure

- Virtualization of a Test Server Environment
- Virtualization and Migration of Legacy Applications
- Design and Test a Virtualized Development Environment

Module 9: Designing Virtualization Provisioning

- Design Virtual Server Provisioning Workflow Model
- Evaluate Appropriateness for Virtualization
- Evaluate Customization to Standard Configuration
- Design Deployment for Virtualization