
NWA089 : Windows Server 2016 Administration**หลักการและเหตุผล :**

This course provides the knowledge necessary to install and configure a core Windows Server 2016 infrastructure in an existing enterprise environment. This course covers the core skills required by anyone working with Windows Server 2016 Servers.

วัตถุประสงค์ :

- Describe the Windows Server 2016 environment including the roles, features, and the tools used to perform effective server management.
- Prepare and install Windows Server with GUI, Server Core and Nano Server
- Use Server Manager and Windows PowerShell for manage Window Server
- Manage Role and Feature on Windows Server
- Implement Active Directory Domain Services.
- Manage Windows User, Computer and Group
- Describe various storage option, including partition table formats, basic and dynamic disks, file systems, virtual hard disks, and drive hardware, and explain how to manage disks and volumes.
- Describe enterprise storage solutions, and select the appropriate solution for a given situation.
- Implement Storage Space and Data deduplication
- Configure secure and efficient access to file services.
- Manage file resources by using File Server Resource Manager.
- Audit file server
- Install and configure Microsoft Hyper-V
- Deploy, configure, and manage Windows and Hyper-V containers
- Plan, create, and manager Windows Server 2016 backup and restore.
- Using Tools for Monitor Windows Server.

หลักสูตรนี้เหมาะสำหรับ :

Candidates for this course are information technology (IT) professionals who work in medium to large organizations. The primary candidate is a Windows Server administrator who operates Windows Servers on a daily basis and who requires the skills for configuring, managing, and maintaining servers installed with Windows Server 2016 edition. Candidates are typically responsible for day-to-day management of the server operating system and various server roles such as File services, Directory services and Hyper-V.

ความรู้พื้นฐาน :

- Basic experience operating Windows Servers in the area of account management, server maintenance, server monitoring, or server security.
- Basic knowledge of TCP/IP.

เนื้อหาการอบรม :**Module 1: Installing and Configuring Windows Server 2016**

- Introducing Windows Server 2016
- Windows Server 2016 Edition and New Feature
- Preparing and Installing Windows Server 2016
- Preparing and Installing Server Core
- Performing Post-Installation Tasks
- Configuring Windows Firewall
- Configuring NIC Teaming

Module 2: Managing Windows Server 2016 with Server Manager and PowerShell

- Windows Server 2016 Server Roles
- Windows Server 2016 Server Features
- Add/Remove Server Role and Features
- Add/Remove Server Role and Features on Server Core

- Adding Servers and Create Server Group
- Remote Manage Windows Server 2016
- With Server Manager
- With Windows PowerShell
- With Remote Server Administration Tools (RSAT)

Module 3: Implementing Active Directory Domain Services

- Overview of Active Directory
- Component of Active Directory
- Installing a Domain Controller
- Read Only Domain Controller Concept
- Managing User Account
- Managing Organizational Unit (OU)
- Active Directory Policy concept
- Configuring policy by Group Policy Management Console
- Managing Group

Module 4: Configuring Storage

- Overview of DAS, NAS and SANs
- Managing Disks and Volumes
- Extend Volume/ Shrink Volume
- Configuring Basic Disk and Dynamic Disk (Raid)
- Implementing Storage Spaces
- Implementing Data Deduplication

Module 5: Implementing File Services

- Overview of Manage Access
- ReFS/NFTS File and Folder Permission
- Inheritance Permission / Special Permission
- Auditing File Server
- Managing Shared Folder
- Implementing Offline Files
- Configuring File Server Resource Manager
- Building File Server Report

Module 6: Implementing Server Virtualization with Hyper-V

- Overview of Virtualization Technologies
- Installing Hyper-V
- Configuring storage on Hyper-V host servers
- Configuring networking on Hyper-V host servers
- Configuring Hyper-V virtual machines
- Managing virtual machines

Module 7: Implementing Windows and Hyper-V containers

- Overview of containers in Windows Server 2016
- Deploying Windows Server and Hyper-V containers
- Installing, configuring and managing containers by using Docker
- Installing Nano Server based on container

Module 8: Maintaining and Monitoring Windows Server 2016

- Overview of Disaster Recovery
- Planning Backup Strategy
- Performing Backup/Restore by Windows Server Backup
- Using wbadmin (Command line Backup)
- Shadow Copy Concept
- Using Shadows copy for backup and restore
- Overview of Windows Server 2016 Monitoring Tools
- Establishing a performance baseline

- Using Task Manager
- Using Resource Monitor
- Using Performance Monitor and Data Collector Set
- Identifying the source of a server problem
- Using Reliability Monitor
- Using Event Viewer

วิทยากร :



อาจารย์สุรัตน์ เกษมบุญศิริ (surath@born2learn.net)

- NCS L.3, CompTIA Security+, ITIL Foundation v.3, CCNA
- MCT, MCITP Enterprise, MCSE +Security +Messaging

จำนวนชั่วโมงในการฝึกอบรม : 5 วัน (30 ชั่วโมง)

ช่วงเวลาฝึกอบรม : 9.00 - 16.00 น.

สถานที่ฝึกอบรม :

สถาบันวิทยากร สวทช.

เลขที่ 73/1 อาคารสำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ (สวทช.)

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วิธีการสำรองที่นั่ง :

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