



Institute for Capacity Development (ICD)

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Windows 2016 Server Administration and Management

Course Objectives

Upon successful completion of this course, participants should be able to:

- Maintain, troubleshoot and secure Windows Server 2016
- Implement key security components to protect your server
- Develop and deploy a patch management strategy
- Leverage built-in components to create a highly available infrastructure
- Optimize and tune system performance for greater responsiveness
- Recover from system failures with troubleshooting tools and techniques

Target Groups

This course is designed for anyone who will be dealing with Windows administrative tools.

Course Outline

- General management principles and practises
- Key Features of Windows Server 2016
- Versions and licensing of Windows Server 2016
- New Server Installation
- Securing Windows Server 2016
- Generating custom templates with Security Configuration Wizard (SCW)
- Migration and Upgrade Paths
- Managing Server Roles
- New and Enhanced Networking Features
- New Application Management and Deployment Technologies
- Server Management with Graphical Tools, Command Line and PowerShell
- Active Directory Planning and Deployment
- Domain Name Services (DNS) usage with Active Directory
- Forests, Domains and Sites
- Account and Object Creation/Management
- Active Directory Replication
- Global Catalog, Read-Only Domain Controllers, and Operation Masters
- Group Policy Objects (GPO) Enhancements
- Rights Management Service (AD-RMS)
- Certificate Services and Public Key Infrastructure
- Active Directory Monitoring, Backup and Restoration
- Windows Networking and Addressing – IPv4 and IPv6
- DNS and DHCP Management
- Routing within a Windows Server
- Remote Access to Windows Servers

- Network Access Protection and Network authentication
- Wireless and Network Configuration
- File and Print Server Roles
- Distributed File System and DFS Replication
- Disk/Folder/File Management: Backup/Restore/Shadow copy/Quotas
- Monitoring and Managing Printers and Printer Deployment
- Windows System Update Services (WSUS) Server role and configuration
- Windows Server and Network Monitoring Tools and Capabilities
- Windows Deployment Services
- Creating/Deploying Windows Deployment Services Images
- Windows Server Hyper-V and Virtualization
- High Availability solutions in Windows Server 2016: Failover Clustering, NLB and redundancy
- Terminal Services Roles and Capabilities
- Deploying Applications into a Terminal Server
- Terminal Services Gateway and Load Balancing
- Remote Desktop Management:
- HTTP, HTTPS, FTP, and SMTP
- Web Security and Authentication in IIS
- Windows Media Server
- Digital Rights Management (DRM)
- Microsoft Windows SharePoint Services
- Troubleshooting Windows Server 2016
- Action Planning

Dates: 19th – 30th March 2018

Duration: 2 weeks

Course Costs: US\$3550

Venue: Windhoek, Namibia