



Gwani Software



TRAINING DEPARTMENT
(Knowledge & Expertise)

Windows Server Curriculum

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equivalent to

1/12/2011.

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TRAINING DEPARTMENT

Windows Server

General Description: - This course is intended to give the trainee the basic skills needed to Install windows server 2003, configure server roles and use it in business.

Aims: - The aims of this course are:

1. To drill the trainee on Installation of windows server 2003.
2. To drill the trainee on how to configure roles of a windows server 2003.
3. To avail the trainee with the knowledge of different server roles and their applications in business.
4. To avail the trainee with basic data security available in windows server.

Objectives: - The trainee at the end of the class session should be able to:

- Install windows server 2003 on server.
- Configuring basic roles on windows server 2003.
- Know different server roles and their applications.
- Know how to backup data on windows server 2003.

Target Audience: - This course should be taken by network Administrators, network Engineers, Staff of server farms, network Technicians, Microsoft products Engineer, and network consultants.

Pre-requisite: - Networking fundamentals is pre-requisite to this course. Knowledge about servers, rack mount, blade and standalone is an added advantage.

Approximate Duration: - The course requires 21 hours of class sessions and practical to train the trainee on this course. Assessments on practical work are equally given within these hours, Assessment: - Trainee is to be assessed with hands on deck assessments periodically on Installation, configurations and backups of windows server 2003.

Methodology: - The class takes a lesson discusses it, then conduct relevant practical, there after further practical works are given to the trainee to conduct it by himself. The Trainee is to be assisted where he is finding it difficult.

Recommended Resource Materials: -

1. www.cramsession.com “Installing, configuring and administering Microsoft Exchange 2000 server.
2. David Chernicoff, (2008), ‘The Essential Guide to windows server 2008’.
3. Windows Server 2003 Basics.

Day	Lesson
1.	Introduction: Functions of operating systems, local resources, network resources, redirector, Client operating systems, Network operating systems, case study of common network operating system:- Window server, Red Hat server, Novell Netware.
2.	Server: - Network, private network, public network, client pc, server, roles of server, Client-server relationship. Dedicated server RAID, Hardware RAID, Software RAID, Three basic operations of RAID. Non- dedicated server & its limitations. Sample prices of dedicated server.
3.	Server Types:- Discussion on roles and functions of the following Servers: DACP, e-mail, Internet, Intranet, web host, application, database, DNS, file, video stream, domain, print, extranet, voice and VoIP, server.
4.	Server farms:- server rooms, requirement of a server room, server facilities, inverter sets, deep cycle batteries, networking devices, smoke detector, fire control system, Air conditioners, server farm, arrangement of servers in server farm, maintenance of a server farm.
5.	Installation: - Minimum system requirement, recommended system requirements, optional system requirement, clean Install, upgrade and multi boot Install. Bootable CD. RAID Drivers Installation.
6.	Installation continued: - practically Install windows server using either of clean Install, upgrade or multi boot and Install hardware drivers.
7.	Server configuration: - Running server, connecting devices and clients, setting preferences, users profile, checking and managing roles, setting ip addresses to connections, accessing drivers, accessing folders, Installing applications.
8.	DHCP, & Domain configurations: - setting up domain, assigning domain

	name. Setting up DHCP, specifying if range, address pool, lease period, reserved list, restarting DHCP.
9.	DHCP, & Domain configurations continued: - trainee should use the DHCP to obtain, renew and view if addresses. Trainees should use the DHCP to create reserved list, use reserved list, change if range, charging lease period, creating new if range.
10.	Internet server configuration: - setting up Internet access dial up or from LAN, setting Internet sharing, defining default gateway, setting up private network, connecting to clients.
11.	Internet server configuration continued: - trainee should use client PC to connect to server, browse using servers Internet.
12.	Database server configuration: - Installing Wamp server, setting password & user, running an SQL file to create database and tables. Using Dream weaver to create a site. Saving a web page to the server. Running apache to access database. Database settings.
13.	Database server configuration continued: - the trainee should use client to access database on server, modify content of database, and perform database operations.
14.	Print server configuration: - Installing printer driver & software, setting printer as network printer, setting up printer sharing. Installing network printer on clients, printing test page.
15.	Print server configuration continued: - Trainees should use clients PC to Install network printer, to set up printing preferences, to Print from clients PC.
16.	File server configuration: - Adding file services role, setting up file services, setting up file sharing setting, creating file directories, copying files.
17.	File server configuration continued: - Trainee should use client PC to access files from server, modification of files on server, the access mode.
18.	Data security: - backup, periodic backup, backup set, creating backup, backup medias; plates, magnetic tape, USB Hard disk, separate partitions, flash drives. Restore operations; restore trials, safe guarding backup media.
19.	Dedicated servers: - servers specifications, disks, RAM and others. Sample prices of servers from major sellers, warranties, online technical services.
20.	Microsoft license: - EULA, patent software, how to obtain license for windows server, activation, downloading patches, number of users, server antivirus, common example of license server antivirus.
21.	Revision:

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