



Diploma in Windows Networking (200) – Windows Server 2008 Active Directory

Prerequisites: Knowledge in Windows operating system.	Corequisites: A pass or higher in Certificate in Networking or equivalence.
Aim: Working with DNS, configuring zones and setting up Domains is only the tip of the iceberg with this course. Learners will learn to work with roles, transferring roles and creating migration strategies and implementations; work with Active Directory groups, and trust settings; outline the purpose and implementation of Read Only Domain Controllers; using CA in Server 2008 and the newest features and rights management built into the Windows 2008 Server. This course will take learners through the implementation, maintenance and management of Active Directory. On completion learners will demonstrate the knowledge, skills and abilities to install, configure and maintain a Windows Server 2008 Active Directory structure.	
Required Materials: Recommended Learning Resources.	Supplementary Materials: Lecture notes and tutor extra reading recommendations.
Special Requirements: The course requires a combination of lectures, demonstrations, discussions, and hands-on labs.	
Intended Learning Outcomes: 1. Understand Windows Server 2008 Active Directory core technologies 2. Understand Active Directory Design and the implementation of Active Directory Domain Services 3. Understand Windows Server 2008 Active Directory sites and replication	Assessment Criteria: 1.1 Analyse the new and enhanced features of Windows Server 2008 1.2 Describe the role of a directory service 1.3 Outline the physical and logical Active Directory structure 1.4 Be able to install Active Directory 1.5 Identify the features of Active Directory objects 1.6 Identify the containers in Active Directory 1.7 Identify Active Directory functions and benefits 1.8 Outline the Active Directory Domain Services deployment overview 2.1 Be able to configure a forest or a domain 2.2 Be able to configure trusts 2.3 Be able to configure Active Directory Lightweight Directory Services 2.4 Be able to configure Read-Only Domain Controller (RODC) 2.5 Describe the components of a site 2.6 Describe Active Directory Federation Services 2.7 Describe Active Directory Rights Management Services 2.8 Be able to configure domain and forest functional levels 2.9 Be able to manage multiple domains and trust relationships 3.1 Be able to configure sites and subnets 3.2 Be able to configure Global Catalogue and Application partitions 3.3 Outline Active Directory Domain Services Replication 3.4 Be able to configure Active Directory

	Domain Services Replication
4. Understand Global Catalog and Flexible Single Master Operations (FSMO) roles	4.1 Be able to configure global catalogue 4.2 Be able to configure operations masters 4.3 Be able to manage operations master roles
5. Understand Active Directory Administration tools	5.1 Outline tools for automating account management 5.2 Be able to create and administer user accounts 5.3 Analyse NTFS and share permissions 5.4 Outline strategies for using Groups 5.5 Be able to delegate Administrative Access to Active Directory objects 5.6 Describe user profiles 5.7 Be able to maintain Active Directory accounts
6. Security planning and administrative delegation in Windows Server 2008 Active Directory	6.1 Describe Smart Cards for Authentication 6.2 Be able to enable user account for Smart Card Authentication 6.3 Outline delegating Administrative Control of an Organisational Unit 6.4 Analyse Active Directory snap-ins 6.5 Illustrate security administration with Least Privileges, Run As Administrator and User Account Control
7. Understand Windows Server 2008 Group Policy architecture	7.1 Outline the architecture and processing of GPOs 7.2 Be able to configure Group Policy settings 7.3 Identify Active Directory security templates settings 7.4 Evaluate the Application of GPOs 7.5 Be able to create and apply GPOs 7.7 Be able to configure GPO templates 7.8 Be able to manage and monitor group policies
8. Understand user and computer environment using Group Policy	8.1 Be able to configure account policies 8.2 Illustrate Audit Policy configuration using GPOs 8.3 Be able to manage security settings 8.4 Outline account logon events 8.5 Describe security policies 8.6 Analyse fine-grained password policies implementation
9. Install software with Group Policy	9.1 Describe Group Policy Software Installation (GPSI) settings 9.2 Analyse software deployment tasks 9.3 Outline software life cycle stages 9.4 Be able to configure software deployment through GPOs 9.5 Be able to configure scripts and folder redirection using Group Policy
10. Group Policy Management and implementation troubleshooting strategies	10.1 Identify scenarios that require Group Policy troubleshooting 10.2 Identify tools for troubleshooting 10.3 Be able to use Group Policy diagnostic




Tel: 0044 7423211037

Email: info@londoncomputercollege.co.uk Website: www.londoncomputercollege.co.uk

Registered No: 3267009 (England)

<p>11. Understand Active Directory maintenance, troubleshooting and disaster recovery issues</p>	<p>tools</p> <p>10.4 Be able to troubleshoot Group Policy applications</p> <p>10.5 Be able to troubleshoot Group Policy settings</p> <p>11.1 Identify server management and monitoring tasks</p> <p>11.2 Identify Active Directory performance and bottleneck issues</p> <p>11.3 Be able to monitor Active Directory Domain Services using Event Viewer</p> <p>11.4 Be able to monitor Active Directory Domain Services using Reliability and Performance monitor</p> <p>11.5 Be able to configure Active Directory Domain Services auditing</p> <p>11.6 Outline Active Directory Domain Services database and log files</p> <p>11.7 Be able to configure backup and strategise recovery systems</p> <p>11.8 Be able to perform offline maintenance</p>
<p>12. Understand DNS and Active Directory Domain Services integration</p>	<p>12.1 Describe the structure of DNS</p> <p>12.2 Be able to install and use DNS server role</p> <p>12.3 Be able to configure DNS zones and replication</p> <p>12.4 Be able to configure Ready-Only DNS</p> <p>12.5 Be able to troubleshoot DNS and replication issues</p>
<p>13. Understand Active Directory Certificate Services implementation</p>	<p>13.1 Outline Active Directory Certificate Services</p> <p>13.2 Outline Public Key Infrastructure concepts and management</p> <p>13.3 Illustrate deployment of the Active Directory Certificate Service role</p> <p>13.4 Be able to configure a Certificate Authority (CA)</p> <p>13.5 Be able to manage certificate templates</p> <p>13.6 Be able to manage enrolments</p> <p>13.7 Be able to manage certificate revocations</p>

**Recommended Learning Resources:
Windows Server 2008 Active Directory**

<p>Text Books</p>	<ul style="list-style-type: none"> Windows Server 2008 Active Directory Configuration. ISBN-10: 0470874988 Windows Server 2008 Active Directory Configuration: Lab Manual. ISBN-10: 0470225084
<p>Study Manuals</p> 	<p>BCE produced study packs</p>
<p>CD ROM</p> 	<p>Power-point slides</p>
<p>Software</p> 	<p>Windows Server 2008</p>