**Project #2 – Active Directory (Chp 4)**

What is Active Directory? \_A user account and security database management system \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**List the components of the AD structure & a Brief Description**

|  |  |
| --- | --- |
| **Component** | **Description** |
| Trees and Forests | Domain grouping. Trees: grouping of common DNS related domains. Forests: A collection of related domain trees |
| Domain | A set of defined network resources that share database and security policies |
| Organizational Unit  (OU) | Organizes resources within a domain. |
| Objects | Resources within an AD structure. |
| Generic Containers | Simpler form of OUs, created by default and limited in scope. |
| Domain Controller | A host server for the active directory database |
| Global Catalog | A database that hosts partial replicas of all objects within a forest. |

**List the 3 Networking Models used with the Windows OS**

|  |  |
| --- | --- |
| **Model** | **Brief Description** |
| Stand alone | Independent hosts, communication handled by common network (internet), hosts not connected by LAN |
| Workgroup | Hosts lack a specified role, connected by LAN, Shared resources, security databases managed individually |
| Client-Server | Each host has a specific role (client, member server, domain controller), AD centric, hosts are OS limited for compatibility |

What is the difference between Active Directory and a Workgroup?

Workgroups lack a domain controller and centralized control structure. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Fill-in the blanks:**

Sites and Subnets represent the \_Physical\_\_\_\_\_\_\_\_\_ layout of a network while Active Directory represents the \_Logical Layout\_\_\_\_\_\_\_\_\_\_ of the network.

**Define the following:**

|  |  |
| --- | --- |
| **Site** | A group of networks connected with high-speed links. |
| **Subnet** | A physical network segment. |

List the 5 things you should know about sites and subnets:

1. Sites should mirror the physical layout
2. Sites direct local clients to resources
3. Sites manage AD replication between locations
4. AD Sites and Services identify network IDs and sites
5. Site assignment is dynamic based on IP address and Subnet Mask

Please upload your completed assignment in moodle to receive credit.