**Active Directory-**

Active directory is the directory service developed by Microsoft for windows domain network.

AD stores all information and settings for deployment in a central database. Active directory stores information about objects on the network and makes the information easy for administrators and users to find and use.

Active directory uses a structured data store as the basis for logical, hierarchical organization of directory information.

**DNS(Domain Name Services)-**

The Domain Name System is the phonebook of internet. Human access information online through domain names. Web browser interest through IP address.DNS translate domain names to IP address so browser can load internet resourses.

**Dynamic DNS**- It is a method of automatically updating a name server in the DNS.

**AD DS (Active directory Domain Services)-**

AD DS is a server roles in AD that allows admins to manage and store information about resources from a network in a distributed database.

**ADDS forward lookup zone**- Forward lookup zones allow the DNS Server to resolve quires where he clint send a name to the DNS Server to request the IP address of the requested hist.

**ADDS reverse lookup zone –** It is used to resolve IP address to a host name. For reverse lookup zones to work they use a PTR record that provides the mapping of the IP address in the zone to the host name.

**Stub Zone-**