Active Directory

1. Which role will install AD on window? – ADDS
2. Name of the ADDS database? – NTDS.DIT
3. List difference between ADDS of 2016 & 2019. – [link](https://www.quickstart.com/blog/comparison-of-windows-server-2016-and-2019-what-is-the-difference/)
4. How many (with names & definition) FSMO roles are present – 5 ([link](https://docs.microsoft.com/en-us/troubleshoot/windows-server/identity/fsmo-roles))
5. Which of the FSMO role is very important out of those from the list? – PDC Emulator.
6. Explain below terms: - (Find those on internet)
   1. Active directory
   2. Domain
   3. Domain name
   4. FQDN
   5. Forest
   6. Domain Controller
   7. Functional level
7. What are the contents of a domain? – Answers is given below.
   1. Organizational unit
   2. Users
   3. Computers
8. How to apply a single policy for a number of users or group? – using **Group Policy**
9. How a group policy reflects for a user in windows environment? – Answers is given below.
   1. When user restarts his machine.
   2. When user logs out & then log in back.
   3. If not, by default after 120 minutes.
10. How will you connect to two organization (say A.COM & B.COM) together? – using AD role called **Active Directory Federation Service (ADFS)**
11. Explain below terms: - find on google.
    1. One-Way trust relationship
    2. Two-Way trust relationship
12. Which other roles is very important with ADDS? – **DNS**, by default it gets installs with ADDS installation.
13. What is DHCP & how it works? – [Link](https://afteracademy.com/blog/what-is-dhcp-and-how-does-it-work)
14. What is DNS & how it works? – [Link](https://www.networkworld.com/article/3268449/what-is-dns-and-how-does-it-work.html)
15. What do you mean by Active Directory Recycle Bin? - Active Directory Recycle bin is a characteristic of Windows Server 2008 AD. It helps to re-establish by chance deleted Active Directory objects without using a backed-up AD database, rebooting area controller.
16. Port numbers:
    1. DHCP – 67, 68
    2. DNS – 53
    3. Kerberos – 88
    4. LDAP – 389
    5. HTTP – 80
    6. HTTPS – 443
17. What is NANO server & it’s benefits? – [link](https://www.parallels.com/blogs/ras/windows-nano-server/)
18. How could you automate the work within windows env? – by using **PowerShell**
19. How to improve windows OS working if its lagging? - [link](https://computertech.com/blog/speed-slow-windows-server)
20. How or where will you check event logs on a windows server? – **Event viewer**.

Azure Active directory

1. **What is Azure Active Directory**? - Azure Active Directory is a cloud-based identity and access management solution. It is the backbone of the office 365 system and also can sync with on premises Active AD and by providing authentication for other cloud-based systems via OAuth.
2. **What are the advantages of Azure AD?**
   1. Single sign-on for multiple applications - Helps in making easier and fast to onboard new employees, terminate access for the leavers and implement access for the new cloud services.
   2. Integration with an existing Windows Server Active Directory - Helps in leveraging an on-premises identity provision for managing access to cloud features, also apply the on premises Active AD by creating a seamless working environment for the users.
   3. Pre-integration with favourite cloud services - Helps in cooperating social media, salesforce, Office 365.
   4. Multiple platform functionality - Helps in working multiple platforms and devices and for productivity and real time communication.
   5. Global availability
   6. Comprehensive reporting - Helps in enabling business monitor application usage and enhance security by protecting from additional threats.
3. **How is Azure Active Directory related to subscriptions**? - Azure AD is a cloud base identity and also access management service that will help in assisting in managing the azure resources. Azure Active Directory has one to many subscriptions, can only trust a single Active Directory and multiple subscription can be associated with a single Azure Active Directory instance.
4. **Who utilizes an Azure Active Directory? -** Azure AD is mainly intended for:
   1. IT Admins uses Azure AD for regulating access to apps and app resources as per business requirements.
   2. App Developers uses Azure AD as guidelines-based method for adding SSo to our application and permitting it for working with the client's pre-existing credentials.
   3. Online subscribers of Microsoft 365, Office 365, Azure, or Dynamics CRM uses Azure AD for online subscribers that are already using Azure AD as it is provided with Microsoft 365 for accessing our integrated cloud applications.
5. **Name some important applications of Azure.**
   1. Infrastructure Services
   2. Mobile Apps
   3. Web Applications
   4. Cloud Services
   5. Storage
   6. Media Services
6. **What are the functions of Azure AD Domain Services?**
   1. Securing Object Store.
   2. Object organizing using organizational units, domain and forest.
   3. Common Authentication and Authorization provider.
   4. Authentication of LDAP, NTLM, Kerberos.
   5. Group Policy.
   6. Customizable Schema.
7. How will you ensure that your employees from on-premises can login to the Azure accounts without creating them additionally? – By using **AD Connect** tool
8. How AD Connect works? – [Link](https://docs.microsoft.com/en-us/azure/active-directory-domain-services/synchronization)
9. What gets synchronized when you use AD Connect? – **Users & groups**
10. Which two accounts/credentials are needed in order to install AD Connect?
    1. **Enterprise admin** account credentials for on-premises
    2. **Global admin** account credentials for Azure
11. How many users you can create with in Azure AD (AAD) – **no limit.**
12. How can you create multiple users in bulk? – Azure Powershell, Bulk upload option on portal.
13. How to provide granular level permission for each user or group within Azure? Using Role-Based Access Control ([RBAC](https://docs.microsoft.com/en-us/azure/role-based-access-control/overview))
14. How many subscriptions can be attached to a single Azure account? – **unlimited**.
15. How many domains can be created within same azure account? – **unlimited**, but be default no 2 accounts will communicate to each other unless AFDS is established between the two.
16. Azure AD VS Windows AD? – [Link](https://support.safetica.com/en/knowledge-base/active-directory-ad-vs-azure-active-directory-aad)
17. Search for below terms: - [Link](https://docs.microsoft.com/en-us/azure/azure-glossary-cloud-terminology)
    1. Tenant
    2. Subscription
    3. Domain
    4. Availability set
    5. Azure resource manager – ARM (new portal)
    6. Azure service manager – ASM (old portal)
    7. Fault domain
    8. Resource
    9. Resource groups
    10. Region
    11. Service level agreement (SLA)
    12. Shared access signature (SAS)
    13. Tags
    14. Update domain
    15. VM vs VMSS
18. How will you calculate the total amount to be spend for running one virtual machine for 30days in India region? – by using [Azure Calculator](https://azure.microsoft.com/en-in/pricing/calculator/)
19. How will you calculate the cost of a specific department with you company? – **Azure cost & billing blade/settings**
20. What is Azure Privileged Identity Management (PIM)? – [Link](https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-getting-started)