**Azure Interview Questions**

1. What is cloud computing?
2. What is Azure Cloud Service?
3. What are the various models available for cloud deployment?
4. Define role insytance in azure.
5. How many cloud service roles are provided by Azure?
6. Why is Azure Diagnostics API needed?
7. Define Azure Service Level Agreement(SLA)?
8. What is Azure Resource Manager?
9. What is NSG?
10. What is Azure Redis Cache?
11. Define Azure Virtual Machine Scalesets?
12. What is Availability Set?
13. What are the available options for deployment environments provided by Azure?
14. What do you need to do when drive failure occurs?
15. Is it possible to design applications that handle connection failure in Azure?
16. Define Azure storage key.
17. What is cspack inAzure?
18. What would be the best feature recommended by Azure for having a common file sharing system between multiple virtual machines?
19. Is it possible to login to a Linux Virtual Machine without using a password?
20. What are the differences between Azure ScaleSets and Availability Sets?
21. What would happen when the maximum failed attempts are reached during the process of Azure ID Authentication?
22. Is it possible to get a public DNS or IP address for the Azure Internal Load Balancer?
23. What is Azure blob storage?
24. What is Azure Scheduler?
25. Is it possible to map the Windows machines running on two different port numbers, say 80 and 81, on an IIS web server to an Azure Load Balancer?
26. You have an application running on the On-Prem Server and have backup on Azure East US region.Now, On-Prem server application access fails.Is it possible to access the application via the Azure environment?
27. What feature of Azure can be used to stop the issue of high load on the application in cases of no man support on the flow?
28. What are the types of storage services apart from blob storage provided by Azure?
29. What are IaaS,PaaS and PaaS?
30. What are the differences between the Azure Table Storage and the Azure SQL service?
31. Consider a scenario where an application front end hosting is done on Azure but the customer needs the database hosting to be done on on-premise server due to securityconcerns.What are the ways to handle the connectivity in Azure for this scenario?
32. What are the differences between the Azure Storage Queue and the Azure Service Bus Queue?
33. What are the possible causes of the client application to be disconnected from the cache?
34. Is it possible to create a virtual machine using Azure Resource Manager in a Virtual Network that was created using classic deployment?
35. Are data disks supported within scale sets?
36. What is an Availability set?
37. What are Fault Domains?
38. What are Update Domains?
39. Do scale sets work with Azure Availabilty Sets?
40. What is a break-fix issue?
41. Why is Azure Active Directory used?
42. Where can I find a list of applications that are pre-integrated with Azure AD and their capabilities?
43. How can I use applications with Azure AD that I’m using on-premises?
44. Wgat is a VNet?
45. What are the differences between Subscription Administator and Directory Administrator?
46. Are there any scale limitations for customers using managed disks?
47. Is it possible to add an existing VM to an availability set?
48. What are the username requirements whwn creating a VM?
49. What are the password requirements whwn creating a VM?
50. How much storage can I use with a virtual machine?
51. What are the various power states of a VM?
52. My web app still uses an old Docker image after I’ve updated the image on Docker Hub.Does Azure support continuous integration/deployment of custom containers?
53. How are Azure Marketplace subscriptions priced?
54. What is difference between “price” , “software price” , and “total price” in the cost structure for virtual machine offers in the Azure Marketplace?
55. What are stateful and stateless microservices for Service Fabric?
56. What is the meaning pf application partitions?
57. What are special Azure Regions?
58. Why should use Azure CDN?
59. Explain the crucial benefits of Traffic Manager?
60. State the difference between repetitive and minimal monitoring?
61. What is the main difference between the repository and the powerhouse server?
62. What are unconnected lookups?
63. Explain command task in Microsoft Azure?
64. Explain Cmdlet command of Microsoft Azure?
65. What is the use of the MIigration Assistant tool in Azure Websites?
66. What is HDInsight in Azure?
67. Explain service definition file.
68. State the difference between copy and shortcut.
69. Name the services which are used to manage resources in Azure?
70. Explain enterprise warehousing.
71. What is MOSS?
72. What is the difference between PROC MEANS and PROC SUMMARY?
73. State the difference between a library and a list.
74. What is the use of Temp Drive in VM?
75. Explain guest OS in Azure.
76. What is csrun?
77. Name the three types of Disks used by VMs?
78. Differentiate between the verbose and minimal monitoring.
79. What is meant by block blob and page blob?
80. What are the sizes of the Azure VM?
81. What should be done in case of a service failure?
82. Why did you choose a career in cloud computing?
83. Why did you choose Microsoft Azure and not AWS?
84. How did you learn Azure?
85. Tell me about a problem you solved at your prior job?
86. What are the instance types offeredby Azure?
87. What are the advantages od scaling in Azure?
88. How is Windows Active Directory and Azure Active Directory different?
89. How has integrating hybrid cloud been useful for Azure?
90. What is Azure Service Fabric?
91. You need to isolate network traffic among VMs in a subnet, which is a part of a Virtual Network with little downtime and impact onusers?
92. You need to ensure that every time a user logs in, they are not asked to re-enter their passwords as part of the authentication.
93. You need to ensure that virtual machines remain available while migrating to Azure.What would be the appropriate service to use?
94. You administer a website called web game.You’re required to validate and deploy changes made to your website byyour development team with minimum downtime.
95. Your standard tier application s used across the worls and uses the Azure website standard tier.It uses a large number of image files.However,this causes the application to load slowly.
96. What is Azure DevOps?
97. What is conditional Access in Azure?
98. When should you use a static IP address in Azure?
99. How does Azure Site Recovery work?
100. How many services are there in Azure?
101. How many types of backups are there in Azure?
102. How can you have a common file-sharing amongmultiple VMs?
103. What is Azure App Service?
104. What is the Migration Assistant tool in Azure Websites?
105. How to add an administrator to the Azure Portal?
106. How to export users from Azure Active Directory?
107. You have an Azure subscription that contains an Azure Log Analytics workspace.You have a resource group that contains 100 virtualmachines.The virtual machines run Linux.You need to collect events from the virtual machines to the log analytics workspace.Which type of data source should be configured in the workspace?
108. You create a container image named Image 1 on a developer workstation.You plan to create an Azure web app for containers named WebAppContainer that will use Image 1.You need to upload Image 1 to Azure.The solution must ensure that WebAppContainer can use Image 1.To which storage type should you upload Image ?
109. You have an Azure subscription that contains 100 virtual machines.You have a set of Pester tests in Powershell that validate the virtual machine environment.You need to run the tests whenever there is an operating system update on the virtualmachines.The solution must minimize implementation time and recurring costs.Which three resources should you use to implement the tests?
110. You have an Azure subscription that contains a resourcegroup named RG1.RG1 contains multiple resources.You need to trigger an alert when the resources in RG1 consume US$1000.What should you do?
111. Your company has an office in Seattle.You have an Azure subscription that contains a virtual network named VNET.You create a site-to-site VPN between the Seattle office and VNET1.VNET1 contains the subnets (Subnet1 – 10.1.1.0/24 , GatewaySubnet – 10.1.200.8/28 ). You need to route all internet-bound traffic from Subnet1 to the Seattle office.What should you create?
112. You have an on-premises network that contains a Hyper-V host named Host1.Host1 runs Windows Server 2016 and hosts 10 virtual machines that run Windows 2016.You plan to replicate the virtual machines to Azure by using Azure Site Recovery.You create a Recovery Services Vault named ASR1 and a Hyper-V site named Site1.You need to add Host1 to ASR1.What should you do?
113. You have an Azure subscription named Subscription1 that contains a virtual network named VNet.VNet1 is in a resource group named RG1.Subscription1 has a user named User1.User1 has the following roles: a)Reader b)Security admin c)Security reader You need to ensure that User1 can assign the reader role for VNet1 to other users.What should you do?
114. A company hosts virtual machines in an on-premises data center and in Azure.The on-premises and Azure-based VMs communicating using ExpressRoute.The company wants to be able to continue regular operations if the ExpressRoute connection fails.Failover connections must use the internet and must not require multiprotocol label switching(MPLS) support. You need to recommend a solution that provides continued operations.What should you recommend?
115. You have a resource group named RG1. RG1 contains an Azure Storage account named storageaccount1 and a virtual machine named VM1 that runs Windows Server 2016.Storageaccount1 contains the disk files for VM1.You apply a ReadOnly lock to RG1.What can you do from the Azure Portal?
116. What is a Resource group?
117. Can you move a resource from one group to another?
118. How many resource groups a subscription can have?
119. When a data disk to an Azure virtual machine is added,what drive type is created?
120. Which is the core unit of the Azure networking component?
121. What is Static IP address in Azure?
122. You need to add data to Azure by using the Azure import service.What should you do?