

Top 20

Azure Interview Questions





Description

A lot of companies are looking for Azure certified professionals for their IT solutions. With Azure becoming one of the most prominent services in the cloud provider's realm for infrastructure, there is no doubt that there will be a number of opportunities for you to take you ahead. To get your hands on an opportunity, you need to crack the Azure interview.

To prepare for the interview, you must be aware of the top Azure interview questions that might be asked. Now some Azure interview questions are opinion-based. For instance, you might be asked about the reason why you chose cloud computing as your career or why would you prefer Microsoft Azure over AWS. The answers to these Azure Interview Questions will depend on your background and experience.

1. What kind of services are offered in the cloud?

This question is one of the most frequently asked Azure interview questions. You can start your answer by saying what the services are and how they are different from each other. The service models for cloud computing are:

- **Infrastructure as a Service (IaaS):** This paid service provides users with high-level APIs. It is an instant computing infrastructure that is managed and provisioned over the internet. Examples of IaaS are Azure VM and Amazon EC2.
- **Platform as a Service (PaaS):** This service allows multiple developers to work on a single project without having to worry about the management of the hosting infrastructure. Examples of PaaS are Azure SQL and Azure Storage.
- **Software as a Service (SaaS):** This service includes applications used by organizations that they usually pay for. For example, Office 360.

2. What is the difference between Web role and Worker role?

For this Azure interview questions, you have to talk about what web role and worker role are and how they are different from each other. Basically, a web role can use languages that are supported by the IIS platform to deploy a website. This role is customized and configured for running web applications. Unlike Web Role, which is used to deploy a website, Worker Role carries out the background processes and is as helpful to the Web Role.

3. What are the advantages of using a deployment environment?

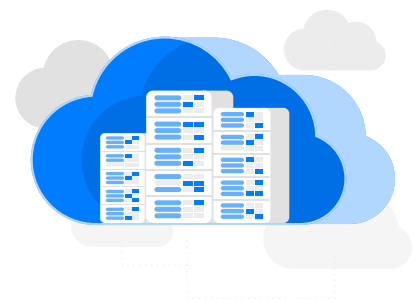
- Deployment environments can record pipeline run and name details.
- Traceability lets you track if a bug or a code change has reached the environment.
- You can validate if the application is functioning desirably or not.
- You can specify which users and pipelines are allowed to target the environment.

4. What are the different ways to host web sites in Azure?

This is one of the most asked Azure interview questions. Azure supports App Service (PaaS), Virtual Machine (IaaS), and Service Fabric to host websites. App Service is a cost-effective option that allows quick deployment, scalability, and management. If your existing Web Sites require Custom Configurations, you can go for Virtual Machine. If you are writing a Microservice application that requires stateful services and massive scaling, service fabric would be a preferable option.

5. What is a service configuration file?

The cloud service configuration file or .cscfg provides settings of configuration for the cloud service as well as individual roles, which also include the number of role instances.



6. What are the major benefits of the traffic manager in Azure?

The traffic manager in Azure ensures that traffic based is distributed on several traffic routing methods. It also provides continuous monitoring of endpoint health as well as an automatic failover in case the endpoints fail.

7. What do you understand by Network Security Groups?

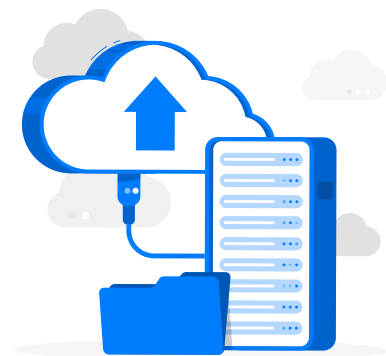
NSG or network security group has a list of rules of ACL or Access Control List that either allows or denies network traffic to subnets, NICs, or both. They can be associated with subnets or individual NICs connected to a subnet.

8. What is a VNet?

The representation of one's own network in the cloud is known as VNet. The instances that you launch in the cloud are isolated from the rest of the resources with the help of VNet.

9. Why is the use of Azure Active Directory?

Azure Active Directory is essentially an Identity and Access Management system. The directory is used to give access to the employees to specific products and services in the network—for example, Twitter.





10. Mention some advantages of Scaling in Azure?

This type of Azure interview questions tests your knowledge in all the services that are provided by it. Advantages of Azure's autoscaling are:

- It maximizes the performance of the application.
- Scale up or down based on demands
- It is highly cost-effective

11. What is cloud fabric?

Cloud fabric in Windows Azure is a combination of several virtualized instances that run the client application.

12. What is csrun?

csrun is a command-line tool. It manages running service and deploys a packaged application to the Windows Azure compute emulator.

13. What is Blob?

BLOB, which stands for Binary Large Object, is a file of any type and any size. Azure Blob Storage offers Block Blob and Page Blob.

14. What is a role instance?

A role instance is a kind of virtual machine which runs the application code and role configuration. A role can consist of several instances that are defined in the service configuration file.

15. What do you understand by a break-fix issue?

Azure Interview questions that are based on an understanding of terms test how familiar you are with technical terms. The Break-fix issue is a technical problem in Azure. When the work which supports a technology fails to take its normal course of action, it is referred to as a break-fix issue.

16. What does a service package contain?

A service package or .cspkg contains the service definition file as well as the application code.

17. Do Managed disks contain any scale limitations?

Managed Disks totally removes the limits associated with storage accounts. Per subscription, the user gets 2000 Managed Disks by default.

18. How can you stop a VM using Power Shell?

This kind of Azure interview questions needs you to have a strong understanding of coding.

The command to stop a VM using Power Shell:
`Stop-AzureRmVM -ResourceGroupName myResourceGroupVM -Name "my VM" -Force`

19. What do you understand by Azure Search?

Azure Search lets developers build Search Experience. They can build it over multiple sources of content in web, enterprise applications, and mobile.

20. What are the different types of storage that are offered by Azure?

Azure offers four types of storage:

- Azure Blob Storage
- Azure Table Storage
- Azure Queue Storage
- Azure File Storage



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