

Azure Interview Questions

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The most popular Azure interview questions are as follows:

1. What is Azure?

Azure is a cloud computing platform and infrastructure created by Microsoft for building, deploying, and managing applications and services through a global network of Microsoft-managed data centers.

2. What are the different components of Azure?

The different components of Azure include:

- Compute: This includes services like Azure Virtual Machines, Azure Functions, and Azure Container Instances.
- Data and storage: This includes services like Azure Cosmos DB, Azure SQL Database, and Azure Blob storage.
- Networking: This includes services like Azure Virtual Network, Azure Load Balancer, and Azure ExpressRoute.
- AI and machine learning: This includes services like Azure Cognitive Services, Azure Machine Learning, and Azure Databricks.
- Identity and security: This includes services like Azure Active Directory, Azure Key Vault, and Azure Defender.

3. What is Azure Virtual Machine?

Azure Virtual Machine is a cloud-based computing resource that provides on-demand, scalable computing capacity. It allows you to create and configure virtual machines in the cloud, with a wide range of operating systems and configurations.

4. What is Azure Cosmos DB?

Azure Cosmos DB is a globally-distributed, multi-model database service from Microsoft. It offers turn-key global distribution with low-latency access to data anywhere in the world, and supports multiple data models including document, key-value, graph, and columnar.

5. What is Azure Active Directory?

Azure Active Directory (AD) is a cloud-based identity and access management service that provides a single sign-on solution for thousands of cloud SaaS, Web, and on-premises applications.

6. What is Azure Blob Storage?

Azure Blob storage is a Microsoft Azure object storage solution for storing unstructured data such as text or binary data. It can be used for serving images or videos, audio files, or backups.

7. What is Azure Functions?

Azure Functions is a serverless computing service that enables the creation of event-driven, scalable, and lightweight applications without the need to manage infrastructure. Functions can be triggered by various events, including HTTP requests, message queues, and timers.

8. What is Azure Load Balancer?

Azure Load Balancer is a network load balancing service that distributes incoming traffic across multiple virtual machines, ensuring high availability and network performance. It can balance both inbound and outbound traffic and supports load balancing for various protocols including TCP and UDP.

9. What is Azure ExpressRoute?

Azure ExpressRoute is a dedicated, private network connection service that provides a fast, reliable, and secure connection to Azure. It uses a direct connection between your on-premises infrastructure and Azure data centers, bypassing the public Internet.

10. What are Azure Resource Manager templates?

Azure Resource Manager templates are JSON files that define the infrastructure and configuration of Azure resources. They enable the deployment and management of multiple resources as a single unit, providing a declarative way to create and manage Azure resources.

11. What is Azure DevOps?

Azure DevOps is a suite of development tools, services, and features for software development teams to plan, develop, test, and deliver software in an efficient and secure manner. It includes Azure Boards, Azure Repos, Azure Pipelines, and more.

12. What is Azure Container Instances?

Azure Container Instances is a fast and simple way to run containers in the cloud without having to manage virtual machines or adopt a higher-level service. It provides an easy way to run individual containers, making it a cost-effective solution for running small, isolated applications.

13. What is Azure Event Grid?

Azure Event Grid is a fully managed event routing service that allows for event-driven architecture and serverless computing. It enables the publication of events to multiple subscribers and can be used for event-based communication between microservices and serverless apps.

14. What is Azure Key Vault?



Azure Key Vault is a cloud-based service that provides secure storage of secrets, such as certificates, connection strings, and passwords. It helps secure sensitive information by storing it in a secure vault that is accessible only by authorized users and applications.

15. What is Azure Stack?

Azure Stack is an extension of Azure that enables organizations to run Azure services on-premises or in disconnected environments. It provides a way for organizations to bring the benefits of the public cloud into their own data centers, while still being able to use the same tools, programming models, and services.

16. What is Azure Cosmos DB?

Azure Cosmos DB is a globally distributed, multi-model database service that provides turnkey global distribution and guarantees single-digit millisecond response times. It supports multiple data models, including document, key-value, graph, and column-family, and multiple APIs, including SQL, MongoDB, Cassandra, and more.

17. What is Azure Stack Edge?

Azure Stack Edge is a hybrid cloud solution that allows you to bring the power of Azure to your edge and disconnected environments. It provides data transfer, storage, and analysis capabilities for your IoT and edge workloads, helping you optimize your data workflows and minimize latency.

18. What is Azure Policy?

Azure Policy is a service that helps you manage and prevent undesirable deployment of resources in Azure. It enables you to define and enforce policies and standards for your resources, such as naming conventions, tag values, and resource properties, to ensure compliance with your organizational policies and standards.

19. What is Azure DevTest Labs?

Azure DevTest Labs is a service that enables developers and testers to quickly create, manage, and share virtual machines and other resources in a safe and compliant manner. It provides a self-service experience for developers, helping them get the resources they need quickly and easily, while also helping IT enforce compliance and cost controls.

20. What is Azure Disk Encryption?

Azure Disk Encryption is a feature that enables you to encrypt your virtual machine disks in Azure. It provides encryption of both the operating system disk and data disks, and uses the industry-standard BitLocker feature of Windows and the DM-Crypt feature of Linux to provide encryption.

21. What is Azure Virtual Network (VNet)?

Azure Virtual Network (VNet) is a logical representation of your own network in the cloud. It allows you to create isolated and secure networks, and connect them to your on-premises networks using VPN or ExpressRoute. VNets also enable you to define custom IP address ranges, create subnets, and configure network security.

22. What is Azure Site Recovery?

Azure Site Recovery is a disaster recovery solution that helps you protect applications and data from outages by replicating workloads from a primary site to a secondary site. It can be used to recover both physical and virtual workloads, and provides several options for replication, including replicating to Azure or to a secondary on-premises site.

23. What is Azure Functions?

Azure Functions is a serverless computing platform that enables you to run event-triggered code without having to manage infrastructure. It provides a way to run small pieces of code, or functions, in response to events such as changes to data in Azure Storage or the arrival of a new HTTP request. Azure Functions can be written in several programming languages, including C#, Java, JavaScript, and Python.

24. What is Azure Service Bus?

Azure Service Bus is a cloud-based messaging service that enables applications to exchange messages in a loosely coupled, reliable, and asynchronous manner. It provides a messaging infrastructure that can be used to connect applications, decouple services, and manage message-based workflows, helping you build scalable and resilient applications.

25. What is Azure Load Balancer?

Azure Load Balancer is a load balancing service for Azure that enables you to distribute incoming traffic across multiple virtual machines. It provides high availability, network performance, and automatic failover for your applications, and can be used to load balance traffic to virtual machines, applications, and services in the cloud or on-premises.

26. What is Azure Site Recovery (ASR)?

 Azure Site Recovery (ASR) is a disaster recovery solution that provides a cost-effective and simple way to protect your workloads in the cloud and on-premises. It helps you ensure high availability and recover quickly in the event of a disaster by replicating and failing over to Azure, or to a secondary on-premises site.

27. What is Azure Stack?

Azure Stack is an extension of Azure that enables you to run Azure services on-premises or in an isolated environment. It provides a consistent and compatible cloud development experience with Azure, enabling you to use the same tools, APIs, and portal, and deploy and manage applications in the same way as you would with Azure.

28. What is Azure DevOps?

Azure DevOps is a cloud-based solution that provides a set of integrated tools for software development teams to plan, develop, test, and deliver software. It includes tools for version control, work item tracking, continuous integration and delivery, testing, and deployment, and provides a centralized platform for collaboration and reporting.

29. What is Azure Policy?

Azure Policy is a service that provides a set of policies that you can use to enforce compliance for your Azure resources. It helps you enforce standards for resource deployment and management, such as naming conventions and resource configurations, and ensures that your resources comply with organizational policies and industry regulations.

30. What is Azure Cosmos DB?

Azure Cosmos DB is a globally distributed, multi-model database service that provides low latency, high throughput, and predictable performance. It supports multiple APIs, including SQL, MongoDB, Cassandra, and Table, and enables you to elastically scale throughput and storage across any number of regions.

31. What is Azure Functions?

Azure Functions is a serverless compute service that enables you to run code on-demand without having to explicitly provision or manage infrastructure. It provides an event-driven, scalable, and highly available platform for building and running microservices, IoT applications, and web APIs.

32. What is Azure Container Instances (ACI)?

Azure Container Instances (ACI) is a service that enables you to run containers on Azure without having to manage virtual machines or adopt a higher-level service. It provides a simple and fast way to run a single container or multi-container applications, with no additional orchestration services required.

33. What is Azure Event Grid?

Azure Event Grid is a service that enables you to react to events from various sources, such as Azure services, custom applications, and IoT devices. It provides a fully managed event routing service that allows you to easily set up event-based workflows and handle event delivery at scale.

34. What is Azure Key Vault?

Azure Key Vault is a service that enables you to securely store and manage cryptographic keys, certificates, and secrets, such as passwords and connection strings. It provides a centralized platform for managing and safeguarding secrets and certificates, with built-in redundancy and disaster recovery.

35. What is Azure Blob Storage?

Azure Blob Storage is an object storage service that enables you to store and retrieve large amounts of unstructured data, such as videos, images, audio files, and backups. It provides a cost-effective, scalable, and durable solution for storing unstructured data, and supports a variety of data access patterns, including object and block storage.

36. What is Azure Cosmos DB?

Azure Cosmos DB is a globally distributed, multi-model database service that provides turnkey global distribution, guarantees single-digit millisecond latencies at the 99th percentile, and elastic scale of throughput and storage. It supports multiple data models, including document, key-value, graph, and column-family, and multiple APIs, including SQL, MongoDB, Cassandra, and Azure Tables.

37. What is Azure DevOps?

Azure DevOps is a set of development tools, services, and features that provide an end-to-end solution for software development, from planning and tracking work, to collaboration, source control, continuous integration and delivery, and application monitoring and diagnostics. It integrates with a variety of tools and services, including Azure Boards, Azure Repos, Azure Pipelines, and Azure Test Plans.

38. What is Azure Data Factory?

Azure Data Factory is a cloud-based data integration service that enables you to create, schedule, and orchestrate data pipelines that can ingest data from various sources, transform and process the data, and publish the results to one or more destinations. It provides a

 visual, code-free interface for building and managing data pipelines, and integrates with a variety of data stores and services, including Azure Cosmos DB, Azure Blob Storage, and Azure SQL Database.

39. What is Azure HDInsight?

Azure HDInsight is a cloud-based service that makes it easy to process big data using popular open-source frameworks, such as Apache Hadoop, Apache Spark, Apache Hive, and Apache HBase. It provides a fully-managed platform for running big data workloads, and integrates with Azure data services, such as Azure Data Lake Storage and Azure Cosmos DB, to enable seamless and secure data processing and analysis.

40. What is Azure Machine Learning?

Azure Machine Learning is a cloud-based service that enables data scientists and developers to build, deploy, and manage machine learning models at scale. It provides a visual, drag-and-drop interface for building machine learning models, and integrates with Azure services, such as Azure Databricks and Azure Cognitive Services, to enable end-to-end machine learning solutions.

41. You have a large amount of data stored in an on-premises SQL Server database and you want to move it to the cloud for processing and analysis. What Azure services can you use to accomplish this?

To move data from an on-premises SQL Server database to the cloud for processing and analysis, you can use Azure Data Factory to create a data pipeline that ingests data from the on-premises database, stores it in Azure Blob Storage or Azure Data Lake Storage, and then processes it using Azure HDInsight or Azure Databricks. Once the data is processed, you can store the results in Azure Cosmos DB or Azure SQL Database for easy access and analysis.

42. You have a web application that needs to authenticate users against an on-premises Active Directory instance. How can you implement this authentication in Azure?

To authenticate users against an on-premises Active Directory instance in Azure, you can use Azure AD Connect to synchronize user identities from the on-premises Active Directory to Azure AD, and then configure your web application to use Azure AD for authentication. Azure AD acts as a bridge between the on-premises Active Directory and the cloud, providing a secure and seamless authentication experience for users.

43. You have an e-commerce website that needs to process a large amount of orders every day. The processing of these orders must be fast and reliable, and the data must be highly available. How can you implement this in Azure?

To implement a fast and reliable processing of orders in Azure, you can use Azure Service Fabric to build a microservices-based architecture that can handle the processing of orders in parallel. To ensure high availability, you can store the data in Azure Cosmos DB, which provides a globally distributed database service that guarantees low latencies and high availability. Additionally, you can use Azure Load Balancer to distribute incoming traffic to multiple instances of the e-commerce website, providing high availability and resiliency for the website.

44. You have a machine learning model that needs to be deployed in a production environment. The deployment must be secure and scalable, and the model must be updated regularly. How can you implement this in Azure?

To deploy a machine learning model in a production environment in Azure, you can use Azure Machine Learning to build, deploy, and manage the model. You can use Azure Container Instances to host the model, providing a secure and scalable deployment environment. You can also use Azure DevOps to automate the deployment process, ensuring that the model is updated regularly. Additionally, you can use Azure Monitor to monitor the performance of the model and receive alerts when issues arise.

45. You have an application that needs to be deployed in Azure. What are the different deployment options available in Azure for deploying this application?

The different deployment options available in Azure for deploying an application are: 1. Azure Virtual Machines: Deploy the application on an Azure Virtual Machine, which provides full control over the operating system and underlying infrastructure. 2. Azure App Service: Deploy the application to Azure App Service, which provides a managed platform for web, mobile, and API applications. 3. Azure Container Instances: Deploy the application as a container in Azure Container Instances, which provides a serverless option for deploying containers. 4. Azure Kubernetes Service: Deploy the application as a container in Azure Kubernetes Service, which provides a managed Kubernetes environment for deploying and managing containers. 5. Azure Functions: Deploy the application as a serverless function in Azure Functions, which provides a platform for building event-driven, scalable, and low-cost applications. 6. Azure Stack: Deploy the application to Azure Stack, which provides a hybrid cloud solution for deploying and running applications in a local environment.

46. You have a legacy application running on-premises that needs to be migrated to Azure. What are the steps involved in migrating this application to Azure?

The steps involved in migrating a legacy application to Azure are: 1. Assess the application: Evaluate the current application architecture, dependencies, and data to determine the appropriate migration strategy. 2. Plan the migration: Create a detailed migration plan that includes a timeline, resources, and risks. 3. Prepare the environment: Set up the necessary Azure services and resources to support the migration. 4. Migrate the data: Move the application data to Azure, either by replicating it or by using a data migration tool. 5. Test the migration: Test the migrated application in Azure to ensure that it behaves as expected. 6. Deploy the application: Deploy the migrated

 application to Azure, either by running it on Azure Virtual Machines or by using Azure App Service. 7. Monitor and optimize: Monitor the performance of the migrated application and optimize it as needed to ensure that it runs efficiently in Azure.

47. You have a website that needs to be made highly available to ensure that it remains accessible even in the event of a failure. How can you achieve high availability for this website in Azure?

To achieve high availability for a website in Azure, you can use Azure Traffic Manager to distribute incoming traffic across multiple instances of the website, running in different regions. If an instance of the website becomes unavailable, Azure Traffic Manager will automatically redirect traffic to another instance, ensuring that the website remains accessible to users. Additionally, you can use Azure Load Balancer to balance incoming traffic to multiple instances of the website, providing resiliency and reliability for the website.

48. You have an application that needs to store large amounts of data in a scalable and cost-effective manner. What Azure storage solution would you use to store this data?

To store large amounts of data in a scalable and cost-effective manner in Azure, you can use Azure Blob Storage. Azure Blob Storage is a highly scalable object storage solution that is well suited for storing unstructured data, such as images, videos, and large documents. It is also highly cost-effective, as you only pay for the amount of data you store and the number of operations you perform. Additionally, Azure Blob Storage provides a number of features, such as automatic tiering, that help to optimize storage costs.

49. You have an application that needs to process large amounts of data in real-time. What Azure solution would you use to process this data?

To process large amounts of data in real-time in Azure, you can use Azure Stream Analytics. Azure Stream Analytics is a fully managed service that provides real-time data stream processing and analytics. It can process millions of events per second, and it integrates with other Azure services, such as Azure Event Hubs, Azure IoT Hub, and Azure Blob Storage, to provide a complete solution for real-time data processing and analytics.

50. A customer wants to deploy a big data solution in Azure. What are the different Azure services that can be used to deploy a big data solution?

The different Azure services that can be used to deploy a big data solution are: 1. Azure HDInsight: Use Azure HDInsight, a fully managed cloud service, to process big data using popular open-source frameworks such as Apache Hadoop, Apache Spark, and Apache Hive. 2. Azure Data Lake Storage: Use Azure Data Lake Storage, a scalable and secure data lake, to store and manage large amounts of data. 3. Azure Databricks: Use Azure Databricks, an Apache Spark-based analytics platform, to process big data and build machine learning models. 4. Azure Stream Analytics: Use Azure Stream Analytics, a real-time data stream processing service, to analyze data streams from various sources in real-time.

51. A customer wants to deploy a machine learning model in Azure. What are the different Azure services that can be used to deploy a machine learning model?

The different Azure services that can be used to deploy a machine learning model are: 1. Azure Machine Learning: Use Azure Machine Learning, a cloud-based machine learning service, to build, deploy, and manage machine learning models. 2. Azure Databricks: Use Azure Databricks, an Apache Spark-based analytics platform, to build and deploy machine learning models. 3. Azure Container Instances: Deploy the machine learning model as a container in Azure Container Instances, which provides a serverless option for deploying containers. 4. Azure Kubernetes Service: Deploy the machine learning model as a container in Azure Kubernetes Service, which provides a managed Kubernetes environment for deploying and managing containers.

52. A customer wants to deploy a real-time streaming solution in Azure. What are the different Azure services that can be used to deploy a real-time streaming solution?

The different Azure services that can be used to deploy a real-time streaming solution are: 1. Azure Event Hubs: Use Azure Event Hubs, a managed event ingestion and streaming service, to ingest and stream large amounts of event data. 2. Azure Stream Analytics: Use Azure Stream Analytics, a real-time data stream processing service, to analyze data streams from various sources in real-time. 3. Azure Notification Hubs: Use Azure Notification Hubs, a scalable cross-platform push notification service, to send push notifications to various platforms such as iOS, Android, and Windows. 4. Azure IoT Hub: Use Azure IoT Hub, a managed service for internet of things (IoT) devices, to manage and ingest data from IoT devices in real-time.

53. A customer wants to deploy a multi-tier application in Azure. What are the different Azure services that can be used to deploy a multi-tier application?

The different Azure services that can be used to deploy a multi-tier application are: 1. Azure App Service: Use Azure App Service, a fully managed platform for building, deploying, and scaling web applications, to deploy the web tier of the application. 2. Azure SQL Database: Use Azure SQL Database, a managed relational database service, to host the database tier of the application. 3. Azure Redis Cache: Use Azure Redis Cache, a managed in-memory data store, to cache data to reduce the load on the database tier. 4. Azure Virtual Machines: Use Azure Virtual Machines, a scalable and flexible IaaS solution, to deploy the application's middle tier.

54. A customer wants to deploy a disaster recovery solution in Azure. What are the different Azure services that can be used to deploy a disaster recovery solution?

The different Azure services that can be used to deploy a disaster recovery solution are: 1. Azure Site Recovery: Use Azure Site Recovery, a disaster recovery service, to replicate and recover virtual machines and physical servers. 2. Azure Backup: Use Azure Backup, a cloud-

X based backup solution, to backup data and files. 3. Azure Storage: Use Azure Storage, a scalable and secure cloud storage solution, to store disaster recovery data. 4. Azure Traffic Manager: Use Azure Traffic Manager, a traffic management solution, to direct traffic to a secondary site during a disaster.

55. A customer wants to deploy a virtual desktop infrastructure (VDI) in Azure. What are the different Azure services that can be used to deploy a VDI in Azure?

The different Azure services that can be used to deploy a VDI in Azure are: 1. Azure Virtual Machines: Use Azure Virtual Machines, a scalable and flexible IaaS solution, to host the virtual desktops. 2. Azure RemoteApp: Use Azure RemoteApp, a cloud-based service that enables remote access to applications, to access the virtual desktops remotely. 3. Azure ExpressRoute: Use Azure ExpressRoute, a dedicated private network connection to Azure, to establish a secure connection between the customer's on-premises network and the virtual desktops in Azure. 4. Azure Active Directory: Use Azure Active Directory, a comprehensive identity and access management solution, to authenticate users and manage access to the virtual desktops.

56. A customer wants to deploy a cloud-based database solution in Azure. What are the different Azure services that can be used to deploy a cloud-based database solution in Azure?

The different Azure services that can be used to deploy a cloud-based database solution in Azure are: 1. Azure SQL Database: Use Azure SQL Database, a managed relational database service, to host relational databases in the cloud. 2. Azure Cosmos DB: Use Azure Cosmos DB, a globally distributed, multi-model database service, to host NoSQL databases in the cloud. 3. Azure Database for MySQL: Use Azure Database for MySQL, a managed database service for the MySQL database engine, to host MySQL databases in the cloud. 4. Azure Database for PostgreSQL: Use Azure Database for PostgreSQL, a managed database service for the PostgreSQL database engine, to host PostgreSQL databases in the cloud.

57. A customer wants to deploy a cloud-based data warehousing solution in Azure. What are the different Azure services that can be used to deploy a cloud-based data warehousing solution in Azure?

The different Azure services that can be used to deploy a cloud-based data warehousing solution in Azure are: 1. Azure Synapse Analytics: Use Azure Synapse Analytics, a limitless analytics service that brings together big data and data warehousing, to host the data warehousing solution in the cloud. 2. Azure Data Factory: Use Azure Data Factory, a cloud-based data integration service, to move and transform data in the data warehousing solution. 3. Azure Data Lake Storage: Use Azure Data Lake Storage, a scalable and secure data lake solution, to store data in the data warehousing solution. 4. Azure HDInsight: Use Azure HDInsight, a cloud-based big data processing service, to process big data in the data warehousing solution.

58. A customer wants to deploy a cloud-based machine learning solution in Azure. What are the different Azure services that can be used to deploy a cloud-based machine learning solution in Azure?

The different Azure services that can be used to deploy a cloud-based machine learning solution in Azure are: 1. Azure Machine Learning: Use Azure Machine Learning, a cloud-based machine learning service, to build, deploy, and manage machine learning models. 2. Azure Databricks: Use Azure Databricks, a fast, easy, and collaborative Apache Spark-based big data platform, to process and analyze big data in the machine learning solution. 3. Azure Cognitive Services: Use Azure Cognitive Services, a collection of pre-built APIs for natural language processing, computer vision, and speech, to add intelligence to the machine learning solution. 4. Azure AI Platform: Use Azure AI Platform, an end-to-end platform for building, deploying, and managing AI solutions, to deploy and manage the machine learning solution in Azure.

59. A customer wants to deploy a cloud-based security solution in Azure. What are the different Azure services that can be used to deploy a cloud-based security solution in Azure?

The different Azure services that can be used to deploy a cloud-based security solution in Azure are: 1. Azure Active Directory: Use Azure Active Directory, a comprehensive identity and access management solution, to secure access to resources in the cloud. 2. Azure Security Center: Use Azure Security Center, a unified security management solution, to secure resources in the cloud. 3. Azure Key Vault: Use Azure Key Vault, a cloud-based key management solution, to secure secrets and keys in the cloud. 4. Azure Information Protection: Use Azure Information Protection, a cloud-based information protection solution, to secure sensitive information in the cloud.

60. A customer wants to deploy a cloud-based disaster recovery solution in Azure. What are the different Azure services that can be used to deploy a cloud-based disaster recovery solution in Azure?

The different Azure services that can be used to deploy a cloud-based disaster recovery solution in Azure are: 1. Azure Site Recovery: Use Azure Site Recovery, a disaster recovery solution, to replicate and recover virtual machines in the cloud. 2. Azure Backup: Use Azure Backup, a cloud-based backup solution, to backup data in the cloud. 3. Azure Storage: Use Azure Storage, a scalable and secure cloud-based storage solution, to store data in the cloud. 4. Azure Virtual Machines: Use Azure Virtual Machines, a cloud-based compute solution, to host virtual machines in the cloud.

61. A customer wants to deploy a cloud-based network solution in Azure. What are the different Azure services that can be used to deploy a cloud-based network solution in Azure?

The different Azure services that can be used to deploy a cloud-based network solution in Azure are: 1. Azure Virtual Network: Use Azure Virtual Network, a cloud-based virtual network solution, to create a logically isolated network in the cloud. 2. Azure ExpressRoute: Use Azure ExpressRoute, a private connection to Azure, to connect to Azure over a dedicated, private connection. 3. Azure Load Balancer: Use Azure Load Balancer, a cloud-based load balancing solution, to distribute incoming network traffic to multiple virtual machines in the

 cloud. 4. Azure Traffic Manager: Use Azure Traffic Manager, a cloud-based traffic management solution, to route incoming traffic to the optimal endpoints in the cloud.

Tip: When answering Azure questions, mention resource groups, RBAC, networking (VNets/subnets/NSGs), resiliency (AZ/region), cost controls, and IaC (Bicep/Terraform).

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