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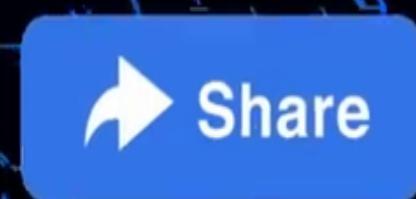
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AZ 900: Questions and Answers – Part 38

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Q721: You have an accounting application named App1 that uses a legacy database. You plan to move App1 to the cloud. Which service model should you use?

- a) platform as a service (PaaS)
- b) infrastructure as a service (IaaS)**
- c) software as a service (SaaS)

Q722: What is the longest term you can purchase for Azure Reserved VM Instances?

- a) Three years
- b) Four years
- c) Five years
- d) Ten years

Q722: What is the longest term you can purchase for Azure Reserved VM Instances?

- a) Three years
- b) Four years
- c) Five years
- d) Ten years

^{SO}

Q723: Your company plans to deploy an Artificial Intelligence (AI) solution in Azure. What should the company use to build, test, and deploy predictive analytics solutions?

- a) Azure Logic Apps
- b) Azure Machine Learning designer**
- c) Azure Batch
- d) Azure Cosmos DB



Version

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components](#)

What is Azure Machine Learning designer(v2)?

Article • 05/29/2023 • 21 contributors

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Azure Machine Learning designer is a drag-and-drop UI interface to build pipeline in Azure Machine Learning.

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> Responsibly develop & monitor

✓ Orchestrate workflows using
pipelines

✓ Overview

What is a pipeline

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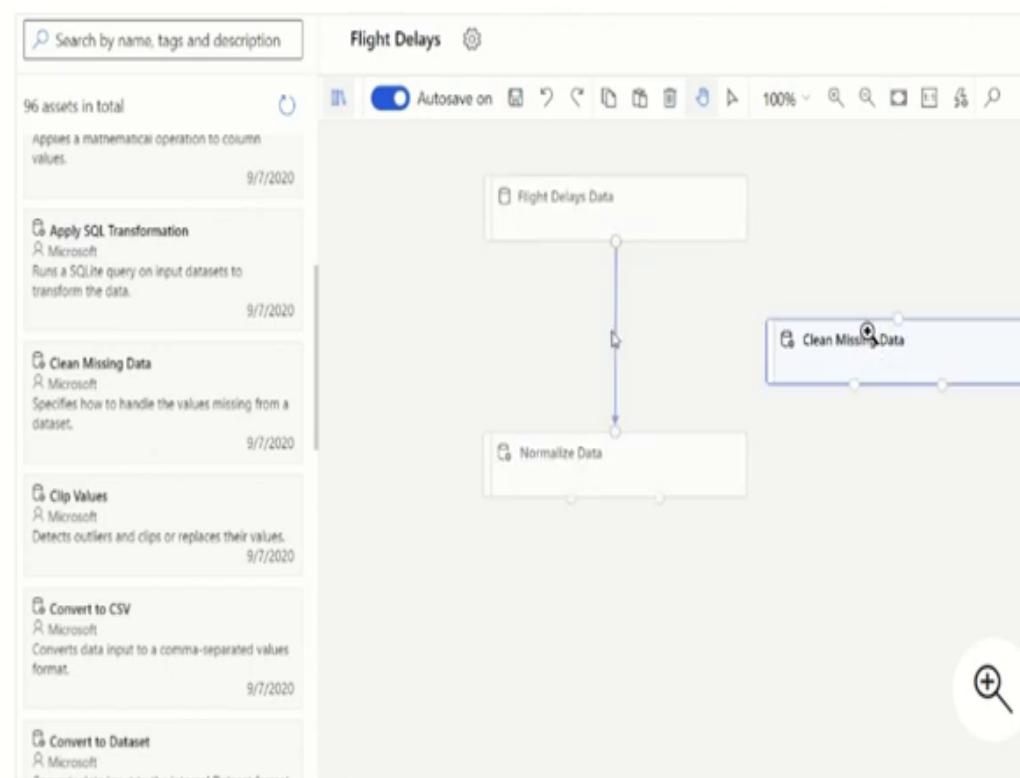
> How to create pipelines with
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Azure Machine Learning designer is a drag-and-drop UI interface to build **pipeline** in Azure Machine Learning.

As shown in below GIF, you can build a pipeline visually by drag and drop your building blocks and connect them.



Note

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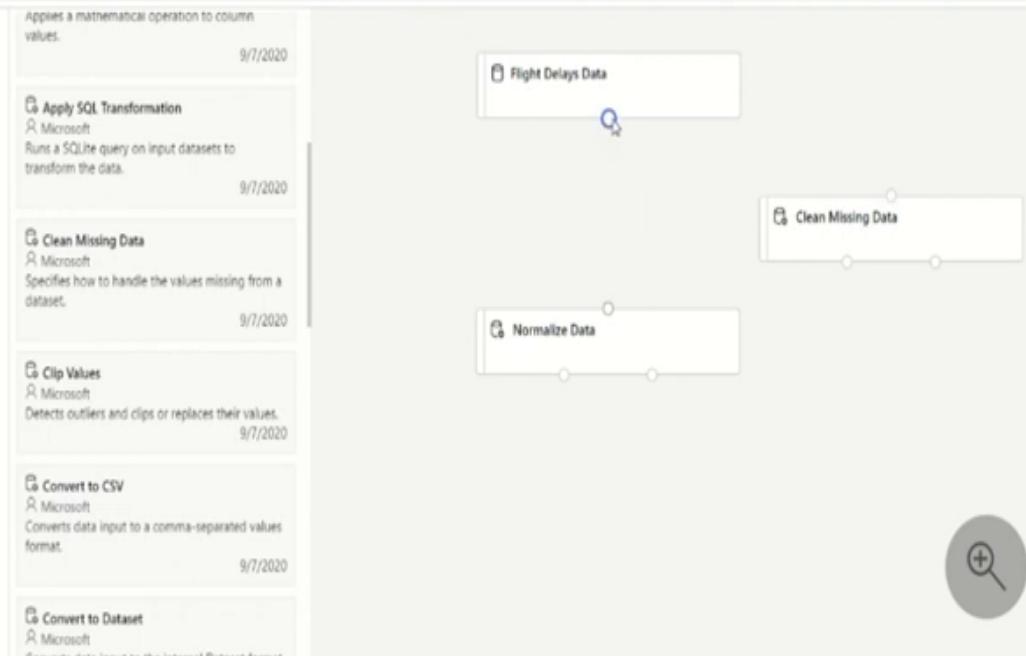
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Note

Designer supports two types of components, classic prebuilt components (v1) and custom components(v2). These two types of components are NOT compatible.

Classic prebuilt components provide prebuilt components majorly for data processing and traditional machine learning tasks like regression and classification. This type of component continues to be supported but will not have any new components added.

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The screenshot shows the Azure Machine Learning Concept Designer interface. On the left, there's a sidebar with navigation links. The main area displays a list of components. At the top right is a search icon.

- Clip Values (Microsoft) - Detects outliers and clips or replaces their values. Last updated 9/7/2020.
- Normalize Data (Microsoft) - Last updated 9/7/2020.
- Convert to CSV (Microsoft) - Converts data input to a comma-separated values format. Last updated 9/7/2020.
- Convert to Dataset (Microsoft) - Converts data source into an Azure Machine Learning Dataset. Last updated 9/7/2020.

Note

Designer supports two types of components, classic prebuilt components (v1) and custom components(v2). These two types of components are NOT compatible.

Classic prebuilt components provide prebuilt components majorly for data processing and traditional machine learning tasks like regression and classification. This type of component continues to be supported but will not have any new components added.

Custom components allow you to wrap your own code as a component. It supports sharing components across workspaces and seamless authoring across Studio, CLI v2, and SDK v2 interfaces.

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Q724: This question requires that you evaluate the underlined text to determine if it is correct.

Azure policies provide a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

Instructions: Review the underlined text. If it makes the statement correct, select “No change is needed”. If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed
- b) Resource groups
- c) Azure Resource Manager
- d) Management groups

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Q7: **Procedure** questions require that you evaluate the underlined text to determine if it is correct.

Azure services provide a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

Interviews: Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

- | | | | | |
|----|---------|-----------|--------|---|
| a) | cepts | ange is n | ded | |
| b) | w to | rce group | | |
| c) | ference | Resource | Manage | o |
| d) | sources | gement g | ups | |

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What is Azure Resource Manager?

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Consistent management layer

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Azure Resource Manager is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources in your Azure account. You use

Documentation

Policy definitions for tagging resources - Azure Resource Manager

Describes the Azure Policy definitions that you can assign to ensure tag compliance.

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24: This article

Manage resources

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Hosted

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Resources

Azure Resource Manager

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Azure Resource Manager is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources in your Azure account. You use management features, like access control, locks, and tags, to secure and organize your resources after deployment.

To learn about Azure Resource Manager templates (ARM [templates](#)), see the [ARM template overview](#). To learn about Bicep, see [Bicep overview](#).

Consistent management layer

When you send a request through any of the Azure APIs, tools, or SDKs, Resource Manager receives the request. It authenticates and

Additional resources

Documentation

[Policy definitions for tagging resources - Azure Resource Manager](#)

Describes the Azure Policy definitions that you can assign to ensure tag compliance.

Q724: This question requires that you evaluate the underlined text to determine if it is correct.

Azure policies provide a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

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- a) No change is needed
- b) Resource groups
- c) Azure Resource Manager
- d) Management groups

Q725: Your company has several business units. Each business unit requires 20 different Azure resources for daily operation. All the business units require the same type of Azure resources. You need to recommend a solution to automate the creation of the Azure resources.

What should you include in the recommendations?

- a) Azure Resource Manager templates
- b) Virtual machine scale sets
- c) Azure API Management service
- d) Management groups

Q725: Your company has several business units. Each business unit requires 20 different Azure resources for daily operation. All the business units require the same type of Azure resources. You need to recommend a solution to automate the creation of the Azure resources.

What should you include in the recommendations?

- a) Azure Resource Manager templates
- b) Virtual machine scale sets
- c) Azure API Management service
- d) Management groups

Azure Resource Manager templates allows you to automate the creation of the Azure resources. Deploying resource through templates is known as 'Infrastructure as code'.

Q726: Which resources can be used as a source for a Network security group inbound security rule?

- a) Service Tags only
- b) IP Addresses, Service tags and Application security groups**
- c) Application security groups only
- d) IP Addresses only



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Q727: Azure Active Directory (Azure AD) is used to manage API cryptographic keys.

Yes

No

Q727: Azure Active Directory (Azure AD) is used to manage API cryptographic keys.

Yes

No

Azure AD is a Microsoft's cloud-based identity and an access management service. Azure Active Directory (Azure AD) is not used to manage Application Programming Interface (API)

Q728: Azure Storage encryption is enabled by default and cannot be disabled.

Yes No

Q728: Azure Storage encryption is enabled by default and cannot be disabled.

Yes

No

Azure Storage encryption is enabled by default and cannot be disabled. Azure Storage encryption is a feature that encrypts your data using 256-bit Advanced Encryption Standard (AES) encryption before storing it in Azure Storage.

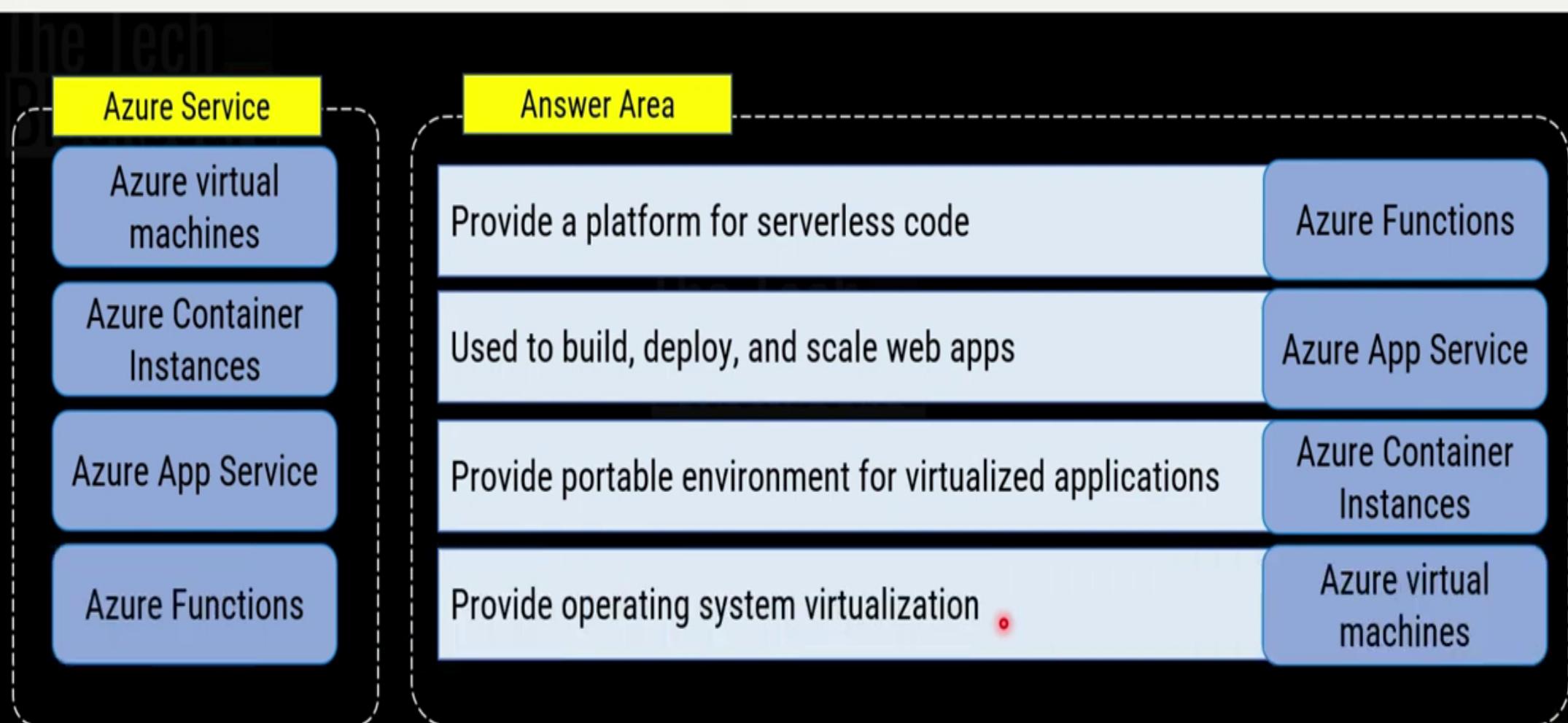
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Q729: To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.



Q730: Azure ExpressRoute is used to secure traffic between virtual networks.

Yes

No

Article • 06/12/2023 • 49 contributors

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What is ExpressRoute?

ExpressRoute is an Azure service that lets you create private connections between Microsoft datacenters and infrastructure that's on your premises or in a colocation facility.

What are the benefits of using ExpressRoute and private network connections?

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https://learn.microsoft.com/en-us/azure/expressroute/expressroute-faqs

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Learn about Network Virtual Appliances in a Virtual WAN hub.

What is ExpressRoute?

ExpressRoute is an Azure service that lets you create private connections between Microsoft datacenters and infrastructure that's on your premises or in a colocation facility.

What are the benefits of using ExpressRoute and private network connections?

ExpressRoute connections don't go over the public Internet. They offer higher security, reliability, and speeds, with lower and consistent latencies than typical connections over the Internet. In some cases, using ExpressRoute connections to transfer data between on-premises



0



Q731: ExpressRoute is an Azure service that lets you create private connections between Microsoft datacenters and infrastructure that's on your premises or in a colocation facility.

Yes

No

Q732: ExpressRoute connections go over the public Internet.

Yes

No

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Q733: Can you use the same private network connection with virtual network and other Azure services simultaneously?

Yes

No

Q734: The point-to-site VPN connection enables you to set up a private and secure connection between the user and the virtual network.

Yes

No

- Connect virtual networks to each other

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> Identity management

> Network security

Security overview

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Connect individual workstations to a virtual network

You might want to enable individual developers or operations personnel to manage virtual machines and services in Azure. For example, let's say you need access to a virtual machine on a virtual network. But your security policy does not allow RDP or SSH remote access to individual virtual machines. In this case, you can use a [point-to-site VPN connection](#).

The point-to-site VPN connection enables you to set up a private and secure [connection between the user and the virtual network](#). When the VPN connection is established, the user can RDP or SSH over the VPN link into any virtual machine on the virtual network. (This assumes that the user can authenticate and is authorized.) Point-to-site VPN supports:

- Secure Socket Tunneling Protocol (SSTP), a proprietary SSL-based VPN protocol. An SSL VPN solution can penetrate firewalls, since most firewalls open TCP port 443, which TLS/SSL uses. SSTP is

Q734: The point-to-site VPN connection enables you to set up a private and secure connection between the user and the virtual network.

Yes No



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Q735: Azure Blob Storage is a

- a) data store for queuing and reliably delivering messages between applications.
- b) File share that can be mapped as a network drive
- c) Key attribute store for non-relational, structured data.
- d) storage service optimized for very large objects, such as video files and bitmaps.

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The Azure Storage platform is Microsoft's cloud storage solution for modern data storage scenarios. Azure Storage offers highly available, massively scalable, durable, and secure storage for a variety of data objects in the cloud. Azure Storage data objects are accessible from anywhere in the world over HTTP or HTTPS via a REST API. Azure Storage also offers client libraries for developers building applications or services with .NET, Java, Python, JavaScript, C++, and Go. Developers and IT professionals can use Azure PowerShell and Azure CLI to write scripts for data management or configuration tasks. The Azure portal

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Training

Learning path

[Implement and manage storage for Azure administrators - Training](#)

Learn how to manage storage as an Azure administrator.

Documentation

[About Blob \(object\) storage - Azure Storage](#)

Azure Blob storage stores massive amounts of unstructured object data, such as text or binary data....

Q735: Azure Blob Storage is a

- a) data store for queuing and reliably delivering messages between applications.
- b) File share that can be mapped as a network drive
- c) Key/Attribute store for non-relational, structured data.
- d) storage service optimized for very large objects, such as video files and bitmaps. •



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