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Question 1   **Unattempted**

Domain : Other

A company is planning to deploy an application onto Azure. They have set up an Azure subscription and an Azure tenant. They want to implement disaster recovery for the application. Which of the following aspect of Azure could be used for disaster recovery purposes?

A.   **Azure Data centers**

B.   **Azure Regions**   ✓

C.   **Azure resource groups**

D.   **Azure subscriptions**

Explanation:

Answer – B

You can deploy your resources across multiple regions. In the event of a disaster and one region goes down, you will still have the other region available.

The Microsoft documentation mentions the following.

Disaster recovery: Also refers to the minimizing of IT services disruption and their recovery, but across *various* data centers that might be hundreds of miles away from one another. In our case, the data centers might reside in various Azure regions within the same geopolitical region or in locations as established by you as a customer.

Option A is incorrect since this is pertinent to just a region and can't be used for disaster recovery purposes.

Option C is incorrect since this is used to logically group resources.

Option D is incorrect since this is used for billing purposes.

For an example on a high availability scenario, please refer to the below URL-

https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-high-availability-architecture-scenarios

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Question 2   **Unattempted**

                                                                            Domain : Other

A company is planning to deploy an application on a set of Azure Virtual Machines. They have
set up an Azure subscription and an Azure AD tenant. Would the addition of an Azure Load
Balancer to the application architecture increase the overall availability of the application?

    A.   Yes   ✅

    B.   No

Explanation:

Answer – A

With the Azure Load Balancer, you can increase the overall availability of your applications.

The Microsoft documentation mentions the following.

Why use Azure Load Balancer?

With Standard Load Balancer, you can scale your applications and create highly available services. Load balancer supports both inbound and outbound scenarios. Load balancer provides low latency and high throughput, and scales up to millions of flows for all TCP and UDP applications.

Key scenarios that you can accomplish using Standard Load Balancer include:

- Load balance **internal** and **external** traffic to Azure virtual machines.

- Increase availability by distributing resources **within** and **across** zones.

- Configure **outbound connectivity** for Azure virtual machines.

- Use **health probes** to monitor load-balanced resources.

- Employ **port forwarding** to access virtual machines in a virtual network by public IP address and port.

- Enable support for **load-balancing** of **IPv6**.

- Standard Load Balancer provides multi-dimensional metrics through **Azure Monitor**. These metrics can be filtered, grouped, and broken out for a given dimension. They provide current and historic insights into performance and health of your service. Resource Health is also supported. Review **Standard Load Balancer Diagnostics** for more details.

For more information on the Azure Load Balancer service, please visit the below URL-

https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-overview

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Question 3   Unattempted

Domain : Other

A company wants to deploy a web application and a database backend to Azure. They need to decide on the services that can be used to host the different parts of the application. Which of the following can be used to host the web application?

A.   Azure Functions

B.   Azure Logic Apps

C.   Azure App Service   ✅

D.   Azure Load Balancer

Explanation:

Answer – C

When deciding on the support for which service to use for web applications, consider using the Azure App Service.

The Microsoft documentation mentions the following.

App Service overview

01/04/2017 • 2 minutes to read • 👤👤👤 ⑪ 👤

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments. For Linux-based environments, see App Service on Linux.

App Service not only adds the power of Microsoft Azure to your application, such as security, load balancing, autoscaling, and automated management. You can also take advantage of its DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, and other sources, package management, staging environments, custom domain, and SSL certificates.

Option A is incorrect since this is used for hosting small pieces of code.

Option B is incorrect since this is used for hosting workflows.

Option D is incorrect since this is used for distributing traffic to backend virtual machines.

For more information on the Azure App service, please refer to the below URL-

https://docs.microsoft.com/en-us/azure/app-service/overview

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Question 4   **Unattempted**

Domain : Other

A company is planning to deploy a set of applications to Azure. They are trying to design the application architectures when they are migrated to Azure. Which of the following reference site can they refer to when it comes to designing architectures on Azure?

    A.   **Azure Portal**

    B.   **Azure Architectures site** ✅

    C.   **Microsoft support**

    D.   **Azure support**

Explanation:

Answer – B

The Azure Architectures site has a whole list of reference architectures.

Since this is clear from the documentation, all other options are incorrect.

For more information on Azure architectures, please refer to the below URL-

https://azure.microsoft.com/en-us/solutions/architecture/

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Question 5   **Correct**

Domain : Other

A company is planning to deploy a set of repeatable resources to Azure. They want to deploy the resources in the most efficient way possible. Which of the following could they use for this requirement?

    A.   **Resource groups**

✓   B.   **Resource Manager templates**   ✅

    C.   **Resource providers**

    D.   **Management groups**

Explanation:

Answer – B

If you want to deploy a repeatable set of resources, consider using the Azure Resource Manager template.

The Microsoft documentation mentions the following.

Terminology 🔗

If you're new to Azure Resource Manager, there are some terms you might not be familiar with.

- **resource** - A manageable item that is available through Azure. Virtual machines, storage accounts, web apps, databases, and virtual networks are examples of resources.
- **resource group** - A container that holds related resources for an Azure solution. The resource group includes those resources that you want to manage as a group. You decide which resources belong in a resource group based on what makes the most sense for your organization. See Resource groups.
- **resource provider** - A service that supplies Azure resources. For example, a common resource provider is Microsoft.Compute, which supplies the virtual machine resource. Microsoft.Storage is another common resource provider. See Resource providers and types.
- **Resource Manager template** - A JavaScript Object Notation (JSON) file that defines one or more resources to deploy to a resource group or subscription. The template can be used to deploy the resources consistently and repeatedly. See Template deployment overview.

Since this is clear from the documentation, all other options are incorrect.

For more information on resources, resource groups and templates, please refer to the below URL-

https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview

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