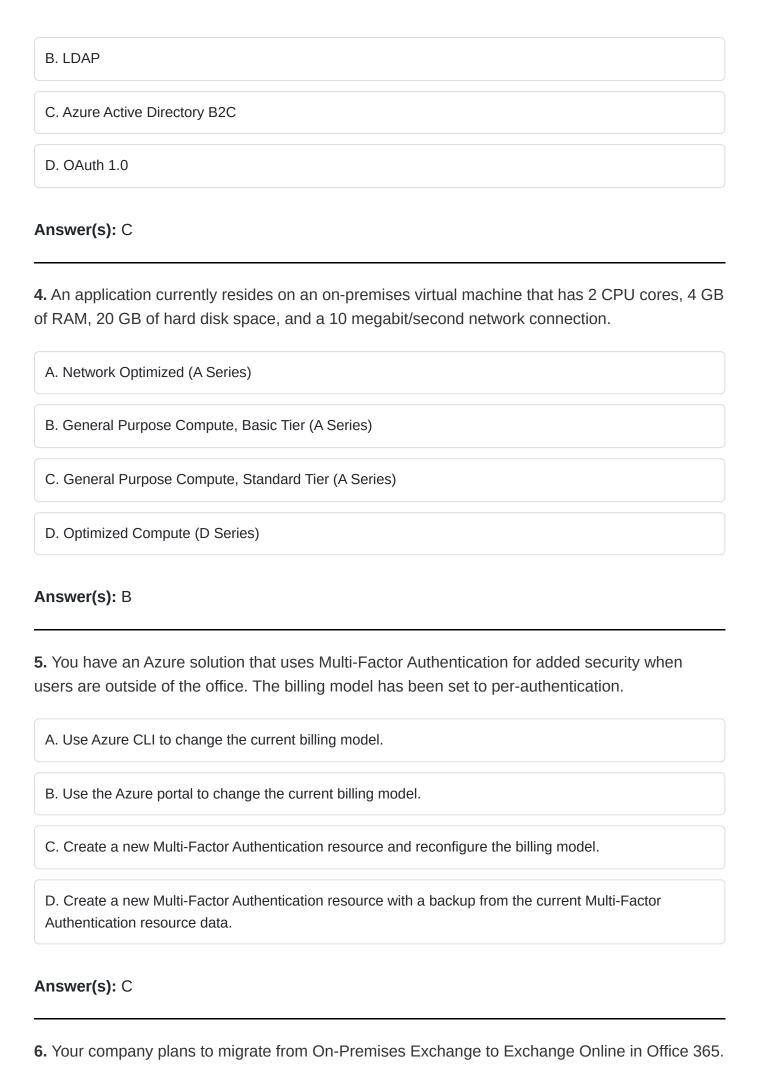# Architecting Microsoft Azure Solutions

1. You need to ensure that users do not need to re-enter their passwords after they authenticate to cloud applications for the first time.

> A. Enable Microsoft Account authentication.

> B. Set up a virtual private network (VPN) connection between the VanArsdel premises and the Azure datacenter. Set up a Windows Active Directory domain controller in Azure VM. Implement Integrated Windows authentication.

> C. Deploy ExpressRoute.

> D. Configure Azure Active Directory Sync to use single sign-on (SSO).

Answer(s): D

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2. You are designing a Windows Azure application that will use Windows Azure Table storage. The application will allow teams of users to collaborate on projects. Each user is a member of only one team. You have the following requirements:

> A. Partition by user

> B. Partition by team

> C. Partition by project

> D. Partition by the current date

Answer(s): B

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3. You need to support web and mobile application secure logons.

> A. Azure Active Directory B2B

B. LDAP

C. Azure Active Directory B2C

D. OAuth 1.0

Answer(s): C

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4. An application currently resides on an on-premises virtual machine that has 2 CPU cores, 4 GB of RAM, 20 GB of hard disk space, and a 10 megabit/second network connection.

A. Network Optimized (A Series)

B. General Purpose Compute, Basic Tier (A Series)

C. General Purpose Compute, Standard Tier (A Series)

D. Optimized Compute (D Series)

Answer(s): B

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5. You have an Azure solution that uses Multi-Factor Authentication for added security when users are outside of the office. The billing model has been set to per-authentication.

A. Use Azure CLI to change the current billing model.

B. Use the Azure portal to change the current billing model.

C. Create a new Multi-Factor Authentication resource and reconfigure the billing model.

D. Create a new Multi-Factor Authentication resource with a backup from the current Multi-Factor Authentication resource data.

Answer(s): C

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6. Your company plans to migrate from On-Premises Exchange to Exchange Online in Office 365.

A. Configure Password Sync.

B. Set up a DirSync Server

C. Set up an Active Directory Federation Services Server

D. Set up an Active Directory Federation Services Proxy Server

Answer(s): A,B

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7. You are designing the deployment of virtual machines (VMs) and web services that run in Azure.

A. Azure Automation DSC

B. Windows Azure Pack

C. Service Management Automation

D. System Center 2016 Orchestrator

Answer(s): A

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8. You are the administrator for your company's virtual environment. The company plans to deploy an e-commerce application that will experience random performance fluctuations.

A. Azure Resource Explorer

B. Azure Traffic Manager

C. Azure Command-Line Interface (CLI)

D. Resource Manager templates

E. Azure PowerShell

Answer(s): A,C,E

9. You need to notify administrators of upcoming planned maintenance.

A. Configure a metric alert by using Azure Application Insights.

B. Configure an activity monitor alert by using Azure Monitor.

C. Configure a runbook by using Azure Automation.

D. Configure an activity log alert by using Azure Service Health.

Answer(s): C

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10. A company receives over 1000 emails each day through the general alias . The emails originate from all over the world, and include complaints and sales inquiries. Many emails relate to random topics.

A. Language Understanding Intelligent Service (LUIS) programmatic API.

B. Text Analytics API

C. Bot Builder SDK

D. Bing Web Search API

Answer(s): B,C

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11. Your company network includes two branch offices. Users at the company access internal virtual machines (VMs). You want to ensure secure communications between the branch offices and the internal VMs and network.

A. a private IPv4 IP address and a compatible VPN device

B. a private IPv4 IP address and a RRAS running on Windows Server 2012

C. a public-facing IPv4 IP address and a compatible VPN device

D. a public-facing IPv4 IP address and a RRAS running on Windows Server 2012

Answer(s): C,D

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12. A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines (VMs) based on an Azure Marketplace VM image.

A. single placement group

B. single storage account

C. managed disks

D. autoscale

Answer(s): C,D

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13. You are designing an Azure application. The application includes services hosted in different geographic locations. The service locations may change.

A. Azure Table storage

B. Service Bus queue

C. Service Management API

D. Azure Queue storage

Answer(s): B

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14. You are designing an Azure Web App that includes many static content files.

A. Place the static content in Azure Blob storage and enable Content Delivery Network (CDN) on the account.

B. Place the static content in Azure Table storage.

C. Configure a custom domain name that is an alias for the Azure Storage domain.

D. Configure a CNAME DNS record for the Azure Content Delivery Network (CDN) domain.

Answer(s): C,D

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15. You need to prevent security attacks based on the Tabular Data Stream (TDS) Protocol.

A. No

B. Yes

Answer(s): B

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16. You need to design the multi-tenant model for storing application and customer data.

A. Shared database-single

B. Database-per-tenant with elastic pools

C. Database-per-tenant without elastic pools

D. Shared database-shared

Answer(s): B

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17. You need to ensure that the website scales.

A. Deploy Traffic Manager and configure it to route user traffic to specified endpoints to other Azure datacenters.

B. Enter multiple DNS entries in each virtual network to route requests to other Azure datacenters.

C. Set up a new Azure datacenter to Azure datacenter VPN to enable the solution to communicate across regions.

D. Use a virtual network to route network traffic in a single Azure datacenter.

Answer(s): C

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18. You need to design the system that handles uploaded documents.

A. Yes

B. No

Answer(s): B

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19. You need to recommend a data storage solution that meets the business continuity requirements. Which two features should you recommend? Each correct answer presents part of the solution.

A. SQL Database Standard

B. Azure Backup

C. SQL Database Premium

D. SQL Database Express

Answer(s): A,B

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20. You are designing a live streaming event by using Azure Media Services. The delivery of the video will use HTTP Live Streaming (HLS) to an azure Content Delivery Network (CDN) streaming endpoint.

A. Yes

B. No

Answer(s): B