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Costing for Azure resources

Completed on 18-July-2020



Attempt

01



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Time Taken

00 H 02 M 14 S



Result

Failed

Domains wise Quiz Performance Report

No	1
Domain	Other
Total Question	5
Correct	0
Incorrect	5
Unattempted	0
Marked for review	0

Total	Total
All Domain	All Domain
Total Question	5
Correct	0
Incorrect	5
Unattempted	0
Marked for review	0

Review the Answers

Sorting by

All



Question 1

Incorrect


A company is planning on deploying a set of Azure virtual machines. They want to understand the cost estimate for deploying the virtual machines to Azure. Which of the following are factors that affect the compute cost of the virtual machines? Choose 2 answers from the options given below

- ☐ A. The size (instance specification) of the virtual machine ✔
- ☒ B. The region the virtual machine is located in ✔
- ☐ C. The data center the virtual machine is located in
- ☒ D. The resource group the virtual machine is located in ✘

Explanation:

Answer – A and B

If you look at the pricing calculator for an Azure Virtual machine, you see the different parameters that make up the cost of the virtual machine



Virtual Machines

REGION: West US ▼

OPERATING SYSTEM: Windows ▼

TYPE: (OS Only) ▼

TIER: Standard ▼

INSTANCE: D2 v3: 2 vCPU(s), 8 GB RAM, 50 GB Temporary storage, \$0.209/hour ▼

There are aspects such as the region, the operating system, the type, the tier and instance size.

Option C is incorrect since the region is more important than the data center

Option D is incorrect since the resource group itself has no impact on the cost

For more information on the pricing calculator, please visit the below URL

<https://azure.microsoft.com/en-us/pricing/calculator/>

Question 2

Incorrect

Domain : Other

A company has a set of virtual machines defined in Azure. They want to explore options on how costs can be cut down for the running cost of the virtual machines. Which of the following is an option that can be considered for cutting down the costs without impacting the services running on the virtual machine?

- ☐ A. Deallocate the public IP address from the virtual machine
- ☐ B. Look at buying Reserved Instances ✓
- ☒ C. Stop the virtual machines ✗
- ☐ D. Change the resource group of the virtual machine





Explanation:

Answer – B

The company can consider looking at buying Reserved Instances to get discounts on the running costs of the virtual machines.

The Microsoft documentation mentions the following

Save costs with Azure Reserved VM Instances

08/29/2019 • 7 minutes to read •      +2

When you commit to an Azure reserved VM instance you can save money. The reservation discount is applied automatically to the number of running virtual machines that match the reservation scope and attributes. You don't need to assign a reservation to a virtual machine to get the discounts. A reserved instance purchase covers only the compute part of your VM usage. For Windows VMs, the usage meter is split into two separate meters. There's a compute meter, which is same as the Linux meter, and a Windows IP meter. The charges that you see when you make the purchase are only for the compute costs. Charges don't include Windows software costs. For more information about software costs, see [Software costs not included with Azure Reserved VM Instances](#).

Options A and C are incorrect since these options could have an impact on the services running on the virtual machine

Option D is incorrect since the resource group itself has no impact on the cost

For more information on Azure Reserved Instances, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepay-reserved-vm-instances>

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Question 3

Incorrect

Domain : Other

A company is looking at expanding their current on-premise Infrastructure by setting up Azure Virtual Machines and Storage Accounts. Which of the following type of expense gets decreased when a company thinks of using services as the Virtual Machine and Storage Account?

- ☒ A. Operating Expense 
- ☐ B. Capital Expense 

- ☐ C. Petty Expenses
- ☐ D. Secondary Expenses

Explanation:

Answer – B

By using Azure resources such as Virtual Machine and Storage account, you can completely remove the need to buy any sort of physical infrastructure. This helps you totally not have any capital expense when moving to the cloud.

The Microsoft documentation mentions the following

Cost reduction

Cloud computing can reduce capital expenses for hardware and software, setting up datacenters, running on-site datacenters, and so on. The costs of racks of servers, round-the-clock electricity for power and cooling, and IT experts for managing the infrastructure add up fast. Shutting down a datacenter can **reduce capital expense** commitments. This is commonly referred to as "getting out of the datacenter business." Cost reduction is typically measured in dollars in the current budget, which could span one to five years depending on how the CFO manages finances.

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on financial outcomes when moving to Azure, please visit the below URL

<https://docs.microsoft.com/en-us/azure/architecture/cloud-adoption/business-strategy/business-outcomes/fiscal-outcomes>

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Question 4

Incorrect

Domain : Other

A company has a set of resources in Azure. They want to get reports of "Costs incurred by resource". Where should they go to get this information?

- ☐ A. Azure Monitor

- ☐ B. Azure Cost Management 
- ☐ C. Azure Virtual Machines
- ☒ D. Azure Advisor 

Explanation:

Answer – B

If you go to Cost Management, you will get a Cost breakdown by resource

Search (Ctrl+ /)

Save Save as Delete view Share Refresh Export Settings Cost by resource

How satisfied are you with cost analysis? →

ACTUAL COST ⓘ

\$12.46 ▾

FORECAST: CHART VIEW ON ⓘ

\$14.45 ▾

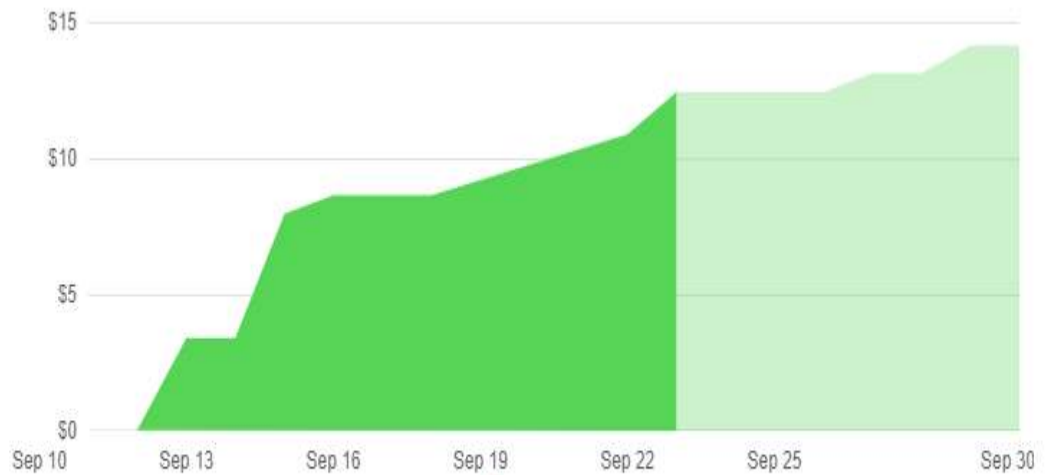
BUDGET: NONE

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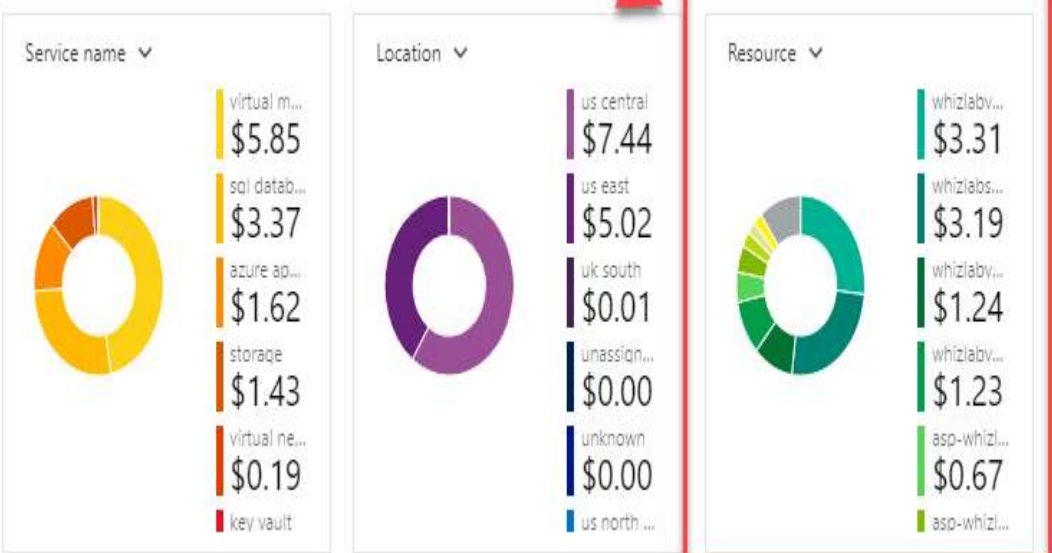
Group by: None ▾

Granularity: Accumulated ▾

Area ▾



Accumulated cost Forecast cost



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

For more information on Azure Cost Management, please visit the below URL

<https://docs.microsoft.com/en-us/azure/cost-management/overview>

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Question 5

Incorrect

Domain : Other

A company wants to start moving its resources to Azure. They have an on-premise data center and want to migrate their workloads to Azure. They need to realize the costs and provide a business case for moving the workloads to Azure. Which of the following can they use for helping justify the costs?

- ☒ A. Azure pricing calculator 
- ☐ B. Azure cost management
- ☐ C. Azure TCO calculator 
- ☐ D. Azure Advisor

Explanation:

Answer – C

You can use the Total Cost of Ownership calculator to see the cost savings you can achieve by moving workloads to Azure.

A snapshot of the TCO Calculator is shown below

Total Cost of Ownership (TCO) Calculator

Estimate the cost savings you can realize by migrating your workloads to Azure

1

2

3

Define your workloads

Adjust assumptions


View report

Define your workloads

Enter the details of your on-premises workloads. This information will be used to understand your current TCO and recommended services in Azure.

Servers

Enter the details of your on-premises server infrastructure. After adding a workload, select the workload type and enter the remaining details.

 Add server workload

The other options are invalid because they help in cost management after you move to Azure.

For more information on the TCO Calculator, please visit the below URL

<https://azure.microsoft.com/en-us/pricing/tco/calculator/>

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