EXAMTOPICS

- Expert Verified, Online, **Free.**

≡ MENU 🔍

⊘ **Microsoft Discussions**

Exam AZ-900 All Questions
View all questions & answers for the AZ-900 exam

Go to Exam

📄 **EXAM AZ-900 TOPIC 1 QUESTION 7 DISCUSSION**

Actual exam question from Microsoft's AZ-900

Question #: 7

Topic #: 1

[All AZ-900 Questions]

Your developers have created 10 web applications that must be host on Azure.

You need to determine which Azure web tier plan to host the web apps. The web tier plan must meet the following requirements:

☞ The web apps will use custom domains.

☞ The web apps each require 10 GB of storage.

☞ The web apps must each run in dedicated compute instances.

☞ Load balancing between instances must be included.

☞ Costs must be minimized.

Which web tier plan should you use?

   A. Standard

   B. Basic

   C. Free

   D. Shared

Show Suggested Answer

by 👤 **FCZ5324** at *June 30, 2021, 6:18 p.m.*

Comments

Type your comment…

Submit

⊟ 👤 **BinuRaj** `Highly Voted 👍` 1 month ago

Please read the requirements: Many are not noting here the load balancing fact.
The web apps will use custom domains. (Basic, Shared and standard Support custom domain)
The web apps each require 10 GB of storage. (basic and standard support this)
The web apps must each run in dedicated compute instances.(basic support 3 instance max where standard support 10max)
Load balancing between instances must be included. (free, shared and basic dont support load balancing. standard and above tier only support load balancing/autosacling)
Costs must be minimized. Standard is less costier than premimum and isolated. I hope this is clear to chose the correct answer as STANDARD.
https://azure.microsoft.com/en-us/pricing/details/app-service/windows/

👍 ↩ ⚑ upvoted 429 times

   ⊟ 👤 **Walter_Gui** 2 years, 6 months ago

   Maybe all the answers are not correct, yet we must select A(STANDARD).
   The web apps each require 10 GB of storage.
   So, none of the answers can meet the requirement, because "The storage limit is the total content size across all apps in the same App service plan."
   For more information,

   👍 ↩ ⚑ upvoted 5 times

   ⊟ 👤 **Kashif_Khan** 3 years, 3 months ago

   basic plan does support load balancing. see link provided by you.

   👍 ↩ ⚑ upvoted 15 times

   ⊟ 👤 **MD1968** 2 years, 7 months ago

   Basic does support load balancing. Do we need 10GB for each instance or not, that is my dilemma

   👍 ↩ ⚑ upvoted 5 times

      ⊟ 👤 **Yarin_Ben_Aharon** 1 month ago

      basic support load balancing by default:
      Basic Service Plan

      The Basic service plan is designed for apps that have lower traffic requirements, and don't need advanced auto scale and traffic management features. Pricing is based on the size and number of instances you run. Built-in network load balancing support automatically distributes traffic across instances. The Basic service plan with Linux runtime environments supports Web App for Containers.

      👍 ↩ ⚑ upvoted 6 times

   ⊟ 👤 **VinCho21** 3 years, 3 months ago

   Basic Service Plan: Built-in network load balancing support automatically distributes traffic across instances. So, the correct answer is Basic

   👍 ↩ ⚑ upvoted 17 times

   Load full discussion…

⊟ 👤 **mahmoud_az** `Highly Voted 👍` 1 month ago

the Answer is Standard :
Standard tier support Custom Domains, Disk Space of 50GB wich is more than enough for the requested plan, and as long as they want to run each web app in a dedicated instance, that means we need 10 dedicated instances for the 10 web apps with a load-balancing service between them, the basic plan only support up to 3 dedicated instances.
Finally the Standard plan has the lowest cost compared to Premuim and Isolated pricing tiers.

👍 ↩ ⚑ upvoted 77 times

   ⊟ 👤 **examtopics6969** 2 years, 9 months ago

   I think you confuse app with app instance.

   👍 ↩ ⚑ upvoted 3 times

   ⊟ 👤 **Dziurkas** 3 years, 2 months ago

   "The storage limit is the total content size across all apps in the same App service plan. " - Doesn't it mean that 50GB is for all instances it this service plan?

   👍 ↩ ⚑ upvoted 5 times

   ⊟ 👤 **DartTrapdoor** 3 years, 3 months ago

   Ten services need 10GB each whic his 100GB. I don't htink Standard is enough, I don't think any of the provided answers fit.

👍 ↩ ⚑ upvoted 13 times

⊟ 👤 **Ariel235788** `Most Recent ⊘` 2 weeks, 6 days ago

`Selected Answer: A`

A. Standard

Here's why:

Custom Domains: The Standard plan supports custom domains.
Storage: The Standard plan offers 50 GB of storage, which can accommodate 10 GB per web app.
Dedicated Compute Instances: The Standard plan provides dedicated compute instances for each web app, unlike the Free or Shared tiers that share resources.
Load Balancing: The Standard plan includes built-in load balancing across instances.
Cost Minimization: The Standard plan is more cost-effective than the Premium plan, while still meeting all the necessary requirements.

👍 ↩ ⚑ upvoted 2 times

⊟ 👤 **hkmomin** 1 month ago

Basic supports:
Can host unlimited Web, mobile, or API apps - so this covers "Your developers have created 10 web applications that must be host on Azure"

Basic supports custom domains which Web Apps require

Basic also supports dedicated compute instances that web apps must each run on.

Basic also supports Load balancing between instances (Built-in network load balancing support automatically distributes traffic across instances)

What I don't understand is 10 GB per instance (3 for Basic) will be sufficient for 10 web apps that each require 10 GB of storage in Basic tier.

Will that be 100GB of requirement in total and therefore you need to use Standard Plan (let's say one instance for each web app i.e. 10 instances which standard supports and 50 GB for each instance which is more than what's required).

👍 ↩ ⚑ upvoted 4 times

⊟ 👤 **Pradh** 1 month ago

FINALY AN END TO ALL THE ARGUMENTS !!!!!!!!!!!!!!!!!!!

YOU GUYS HAVE STRUGGLED A LOT FOR THE ANSWER . FINALLY YOU GET IT HERE :)

Answer is B : BASIC

Unlimited WebApps can be created per Azure App service Plan
Custom Domain is supported in Basic Plan ..that too unlimited
Compute instance type for each webApp is Dedicated with 10gb Storage..its not shared compute instance.That means 10 web app will have 10 dedicated compute instance of 10Gb each .
Maximum instance that can be scaled out is 3 ....forget this point..not required in this question
integrated load balancing is supported in basic

Anybody who feels i am bluffing please go through this link.you will have to scroll down a bit to come to App service limits... ENJOY !!

https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/azure-subscription-service-limits#app-service-limits

👍 ↩ ⚑ upvoted 4 times

⊟ 👤 **Herluc757** 3 years ago

The storage limit is the total content size across all apps in the same App service plan. So 10 Gb in Basic. You need 10 of them. Total cost:
0.94USD/Hr.

Standard has 50 Gb so you can have 5 apps per subscription. You need 2 = total cost= 025 USD/hr

👍 ↩ 🚩 upvoted 2 times

   ⊟ 👤 **Herluc757** 3 years ago

     Cost for 2 standard: 0.25USD/Hr so cheaper than 10 Basic ones. I'll go for Standard.

     👍 ↩ 🚩 upvoted 1 times

     ⊟ 👤 **ilia_smirnov** 3 years ago

       How can i hold this information about limits and prices in my head?

       👍 ↩ 🚩 upvoted 6 times

⊟ 👤 **Harry28731** 1 month ago

Hi, Answer is unfortunately B. The wording of the question is bad though.
Explanation :
https://azure.microsoft.com/en-us/pricing/details/app-service/windows/#overview
Customs domains : All but free
10G storage : Here is the confusion EACH web app requires 10GB does not mean 10 instances of ONE web app requires 10x10G = 100G or whatever. Its 10 DIFFERENT web apps. So BASIC is enough.
Dedicated Compute Instances : Basic is enough.
Load-balancing : Basic is enough. Don't mislead the scalability number. It works only if ONE specific web app is very consuming or you need high availability.
Costs minimized : Here is the confusion. Nowhere it's written that all 10 web app must be in the same app service plan. You can have 10 app services for 10 web apps, or 2 app services fo 5 web apps each (standard). However I belive the question assumes 1 app service plan per web app, which one to choose ? This is why basic is preferred.

👍 ↩ 🚩 upvoted 8 times

   ⊟ 👤 **Rogerjak** 2 years, 9 months ago

     This comment made it clear for me. Basic as load balancing, 10Gbs for the app and dedicated compute.

     👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **mehasi** 1 month ago

Selected Answer: D

Consider the following when you think of whether the Answer is Basic or Standard.
as of 20th April 2022
https://azure.microsoft.com/en-us/pricing/details/app-service/windows/

Basic gives maximum instances - Up to 3
Standard maximum instances - Up to 10

Each BASIC instance gives you 10GB of disk space where STANDARD gives 50GB per instance.

So the Disk space given per instance x Maximum number of instances should be >= 100
BASIC -> 10GB x 3 = 30GB < 100GB
STANDARD -> 50GB x 10 = 500GB > 100GB

So STANDARD is the correct answer

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **maxrudenk** 1 month ago

answer is Basic.
you could create 10 app service plans with limits per each 10gb storage.
then we can host it on compute dedicated instances - App service. App service working on service plan.
And Basic plan provides dedicated compute instance type.
Also we could create load balancer on basic plan but we can't enable autoscaling. But we only need load balancing according to requirements.

https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/azure-subscription-service-limits
Basic Plan:
- The actual number of apps that you can host on these machines depends on the activity of the apps, the size of the machine instances, and the corresponding resource utilization = 100 App service plans per resource group
- The storage limit is the total content size across all apps in the same App service plan. The total content size of all apps across all App service plans in a single resource group and region cannot exceed 500 GB. The file system quota for App Service hosted apps is determined by the aggregate of App Service plans created in a region and resource group = 10 GB for App service plan

👍 ↩ 🚩 upvoted 4 times

⊟ 👤 **sanaar** 1 month ago

Basic tier has 10GB storage, dedicated instance, custom domain and load balancing.
So, you would need 10 individual Basic tier app service plans to fulfil the question requirements. The cost would be $0.075/hour x 10 = 75 cents per hour for all 10.

In the standard tier there is 50GB storage and 10 available instances, so you can run 5 apps per service plan. You would need 2 standard tier service plans. The cost would be $0.10/hour x 2 = 20 cents per hour for 2 plans. The standard plan works out cheaper and minimizes cost.

If premium tier was an option the cost would be the same as standard tier, but only 1 service plan would be required.

In reality if you need to use load balancing the traffic on the servers would probably come under 'Run production workloads' and not 'lower traffic requirements'.

👍 ↩ ⚑ upvoted 1 times

⊟ 👤 **BeauChateau** 1 month ago

Selected Answer: A

A. Standard

The Standard web tier plan is the most appropriate option for hosting the web apps that meet the given requirements. The Standard tier plan provides dedicated compute instances for the web apps, each of which can be scaled independently. It also provides load balancing between instances to ensure high availability and scalability.

The Standard tier plan supports custom domains and provides 50 GB of storage, which is more than the required 10 GB for each web app. The Basic, Free, and Shared web tier plans do not provide dedicated compute instances, load balancing, or custom domains. The Basic and Free plans offer limited storage and resources, while the Shared plan does not provide dedicated resources or load balancing.

Although the Standard web tier plan is more expensive than the Basic, Free, or Shared plans, it is the most appropriate option for meeting the requirements of the web apps, which include custom domains, dedicated compute instances, load balancing, and sufficient storage. Therefore, the Standard web tier plan should be used to host the web apps while minimizing costs.

👍 ↩ ⚑ upvoted 1 times

⊟ 👤 **jakerson** 1 month ago

A. Standard: The Standard tier plan provides features such as custom domains, dedicated compute instances, 10 GB of storage per app, and load balancing between instances. It offers the necessary capabilities to fulfill all the requirements mentioned.

B. Basic: The Basic tier plan does not provide dedicated compute instances or load balancing between instances, which are required in this case.

C. Free: The Free tier plan does not offer the necessary features for hosting the web apps, such as custom domains, dedicated compute instances, or sufficient storage.

D. Shared: The Shared tier plan does not provide dedicated compute instances or load balancing, and it may not offer the required storage capacity for each web app.

Therefore, the most suitable web tier plan that satisfies all the given requirements while minimizing costs would be the "Standard" tier plan.

👍 ↩ ⚑ upvoted 2 times

⊟ 👤 **ancity** 1 month ago

the Basic web tier plan can support 10 web applications. Let's take a closer look at the details:

The Basic web tier plan has the following limits:

Number of web apps: 10
Number of small (shared) instances: 3
Number of medium (dedicated) instances: 3
Number of large (dedicated) instances: 3
So the Basic plan can indeed support up to 10 web apps, with the limitation that you can only have up to 3 dedicated instances.

For 10 web apps, each requiring dedicated compute instances, the Basic plan may not be sufficient. The Standard web tier plan would be a better choice, as it has higher limits:

Number of web apps: 100
Number of small, medium, and large (dedicated) instances: 10 each
The Standard plan would provide more flexibility to scale out the 10 web apps and ensure they each run in a dedicated compute instance.

Therefore, the correct answer should be:

A. Standard

👍 ↩ ⚑ upvoted 2 times

Dharun_19 1 month ago

The requirements specify that the web apps need custom domains, each requires 10 GB of storage, must run in dedicated compute instances, and need load balancing between instances, while also minimizing costs.

Here's a breakdown of the options:

- **Free**: Does not support custom domains, has limited storage, does not provide dedicated compute instances, and lacks load balancing.
- **Shared**: Supports custom domains but does not provide dedicated compute instances and lacks load balancing.
- **Basic**: Supports custom domains and provides dedicated compute instances, but does not include load balancing.
- **Standard**: Supports custom domains, provides dedicated compute instances, includes load balancing, and offers more storage.

Given the requirements, the **Standard** tier plan is the only option that meets all the requirements:

A. Standard

👍 ↩ ⚑ upvoted 3 times

Faboyeeza 1 month ago

The Basic web tier in Azure App Service may not fully meet all the specified requirements. While it supports custom domains, it does not provide dedicated compute instances or load balancing between instances. The Basic tier shares resources among multiple applications and lacks features such as auto-scaling and deployment slots.

For the given requirements, you might want to consider the Standard or Premium tier. Both the Standard and Premium tiers offer dedicated compute instances, load balancing, custom domains, and additional features. The choice between Standard and Premium would depend on specific features required and cost considerations.

In summary, the Basic web tier might not suffice for the specified requirements, and you may need to explore the Standard or Premium web tier plans for a more comprehensive solution.

👍 ↩ ⚑ upvoted 1 times

> **linux_admin** 7 months, 3 weeks ago
>
> ChatGPT is wrong. The answer is Basic.
>
> 👍 ↩ ⚑ upvoted 1 times

asans 1 month ago

Selected Answer: B

Basic tier meets all the requirements. The 3 instances that others are talking about is for scaling out, i.e. you can increase the VMs to a maximum of 3 should each Web app demand that. Off course, there is also the scale up, which is increasing the CPU, memory on one VM.
☞ The web apps will use custom domains. - Basic supports this
☞ The web apps each require 10 GB of storage. - Basic supports 10Gb per instance
☞ The web apps must each run in dedicated compute instances. - Basic supports this
☞ Load balancing between instances must be included. - Basic supports integrated LB
☞ Costs must be minimized.
This link provides comprehensive details on the quotas for each Web tier.
https://learn.microsoft.com/en-us/azure/azure-resource-manager/management/azure-subscription-service-limits#app-service-limits

👍 ↩ ⚑ upvoted 5 times

GagisaPRO 1 month ago

Selected Answer: A

Load balancing is only available on Standard or higher

👍 ↩ ⚑ upvoted 1 times

P_BASNET 1 month ago

Free and Shared plans don't meet the requirements for custom domains, storage, dedicated compute instances, or load balancing.
Basic meets most requirements but does not provide load balancing, which is required.
Standard meets all the requirements, including load balancing and dedicated instances, while still being cost-effective for your needs.
Thus, the Standard tier plan is the best fit.

👍 ↩ ⚑ upvoted 1 times

Load full discussion...

Start Learning for free

EXAMTOPICS

We are the biggest and most updated IT certification exam material website.
Using our own resources, we strive to strengthen the IT professionals community for free.