Seneca

Lab 19: Use the Pricing Calculator

At the end of each lab, any resources you created in your account will be preserved. Some Azure resources, such as VM instances, may be automatically shut down, while other resources, such as storage services will be left running. Keep in mind that some Azure features cannot be stopped and can still incur charges (i.e. Azure Bastion). To minimize your costs, delete all resources and recreate them as needed to test your work during a session.

Reference: AZ-900T0X-MICROSOFTAZUREFUNDAMENTALS

19 - Use the Pricing Calculator

In this walkthrough, we will use the Azure Pricing Calculator to generate a cost estimate for an Azure virtual machine and related network resources.

Task 1: Configure the pricing calculator (10 min)

In this task, we will estimate cost of a sample infrastructure by using the Azure Pricing Calculator.

Note: To create an Azure Pricing Calculator estimate, this walkthrough provides example configurations for the VM and related resources. Use this example configurations or provide the Azure Pricing Calculator with details of your *actual* resource requirements instead.

1. In a browser, navigate to the Azure Pricing Calculator webpage.
2. To add details of your VM configuration, click **Virtual Machines** on the **Products** tab. Scroll down to view the virtual machine details.
3. Replace **Your Estimate** and **Virtual Machines** text with more descriptive names for your Azure Pricing Calculator estimate and your VM configuration. This walkthrough example uses **My Pricing Calculator Estimate** for the estimate, and **Windows VM** for the VM configuration.

My Pricing Calculator Estimate

Virtual Machines: Windows VM   1 D2 v3 (2 vCPU(s), 8 GB RAM) x 730 Hours;... $152.62

Windows VM

Clone

Delete

4. Modify the default VM configuration.

Region	Operating system	Type
North Europe	Windows	(OS only)

Tier	Instance
Standard	A2: 2 Core(s), 3.5 GB RAM, 135 GB Temporary storage

6.
7. **Note**: The VM instance specifications and pricing may differ from those in this example. Follow this walkthrough by choosing an instance that matches the example as closely as possible. To view details about the different VM product options, choose **Product details** from the **More info** menu on the right.
8. Set the **Billing Option** to **Pay as you go**.

Billing Option

1 year reserved option is not available for your instance selection.

3 year reserved option is not available for your instance selection.

- ◉ Pay as you go
- ○ 1 year reserved
- ○ 3 year reserved

Save up to 40% with Windows Server Licenses you already own. Learn more about Azure Hybrid Benefit to save compute costs.

9. In Azure, a month is defined as 730 hours. If your VM needs to be available 100 percent of the time each month, you set the hours-per-month value to `730`. This walkthrough example requires one VM to be available 50 percent of the time each month.

   Leave the number of VMs set at `1`, and change the hours-per-month value to `365`.

Billing Option

1 year reserved option is not available for your instance selection.

3 year reserved option is not available for your instance selection.

- ◉ Pay as you go
- ○ 1 year reserved
- ○ 3 year reserved

Save up to 40% with Windows Server Licenses you already own. Learn more about Azure Hybrid Benefit to save compute costs.

| 1 | × | 365 | = | $65.70 |
| Virtual machines | | Hours ⌄ | | Per month |

10. In the **Managed OS Disks** pane, modify the default VM storage configuration.

Tier	Disk size	Number of disks	Snapshot	Storage transactions
Standard HDD	S30: 1024 GiB	1	Off	10,000

Managed OS Disks

TIER:

Standard HDD ⌄

DISK SIZE:

S30: 1024 GiB, $40.960/month ⌄   ● ○ ADD SNAPSHOT

| 1 | ✕ | $40.96 | | = $40.96 |
Disks   Per month

───────────────────────────────

Storage transactions

| 10000 | ✕ | $0.0005 | | = $5.00 |
Transaction units   Per unit
(10,000 transactions)

11.

12. To add networking bandwidth to your estimate, go to the top of the Azure Pricing Calculator webpage.
    Click **Networking** in the product menu on the left, then click the **Bandwidth** tile. In the **Bandwidth added** message dialog, click **View**.

13. Add a name for your VM bandwidth configuration. This walkthrough example uses the name **Bandwidth: Windows VM**. Modify the default bandwidth configuration by adding the following details.

Region	Zone 1 Outbound Data Transfer Amount
North Europe	50 GB

14.

15. To add an Application Gateway, return to the top of the Azure Pricing Calculator webpage. In the **Networking** product menu, click the **Application Gateway** tile. In the **Application Gateway** message dialog, click **View**.

16. Add a name for your Application Gateway configuration. This walkthrough uses the name **App Gateway: Windows VM**. Modify the default Application Gateway configuration by adding the following details.

Region	Tier	Size
North Europe	Basic	Small

Instances	Hours	
1	365	
Data processed		
50 GB		
Zone 1: North America, Europe		
50 GB		

App Gateway: Windows VM

REGION:
North Europe

TIER:
Basic

SIZE:
Small

Gateway hours

| 1 | ✕ | 365 | | = | $10.22 |

Instances × Hours

Data processed

50 GB = $0.40

Zone 1: North America, Europe

50 GB = $3.91

Sub-total $14.54

20.

Task 2: Review the pricing estimate

In this task, we will review the results of the Azure Pricing Calculator.

1. Scroll to the bottom of the Azure Pricing Calculator webpage to view total **Estimated monthly cost**.

   Note: Explore the various options available within the Azure Pricing Calculator. For example, this walkthrough requires you to update the currency to Euro.

2. Change the currency to Euro, then select **Export** to download a copy of the estimate for offline viewing in Microsoft Excel (`.xlsx`) format.

Microsoft Azure Estimate

My Pricing Calculator Estimate

Service type	Custom name	Region	Description	Estimated Cost
Virtual Machines	Windows VM	North Europe	1 A2 (2 vCPU(s), 3.5 GB RAM) x 365 Hours; Windows – (OS Only); P	€94.16
Bandwidth	Bandwidth: Windows VM	North Europe	Zone 1: North America, Europe, 50 GB	€3.30
Application Gateway	App Gateway: Windows VM	North Europe	Basic tier, Small Instance size: 1 Gateway hours instance(s) x 365 H ▶	€12.26
Support			Support	€0.00
			Licensing Program	Microsoft Online S
			Monthly Total	€109.72
			Annual Total	€1,316.66

Disclaimer

All prices shown are in Euro (€). This is a summary estimate, not a quote. For up to date pricing information please visit
This estimate was created at 3/30/2019 10:01:38 PM UTC.

Congratulations! You downloaded an estimate from the Azure Pricing Calculator.

Submission Requirements

Submit a screenshot with the following information:

- Estimate the cost of running Project 2 for one month
- Reflection: Think about what are the greatest costs and how you can save on those costs

Your Estimate

∨ Azure Bastion	ⓘ	730 Hours, 5 GB Outbound Data Transfer	🗇 🗑	Upfront: $0.00	Monthly: $138.70
∨ Azure DNS	ⓘ	0 hosted DNS zones, 0 DNS queries	🗇 🗑	Upfront: $0.00	Monthly: $0.00
∨ Virtual Network	ⓘ	100 GB data transfer from East US region to East US ...	🗇 🗑	Upfront: $0.00	Monthly: $2.00
∨ Load Balancing	ⓘ	Basic Load Balancer is free of charge	🗇 🗑	Upfront: $0.00	Monthly: $0.00
∨ Virtual Machines	ⓘ	3 D2 v3 (2 vCPUs, 8 GB RAM) x 730 Hours; Windows...	🗇 🗑	Upfront: $0.00	Monthly: $457.76

Support

SUPPORT:

Included $0.00

Programs and Offers

LICENSING PROGRAM:

Microsoft Online Services Agreement

⬤◯ SHOW DEV/TEST PRICING ⓘ

Estimated upfront cost $0.00
Estimated monthly cost $598.46

📗 Export   💾 Save   📝 Save as   📤 Share   US Dollar ($)