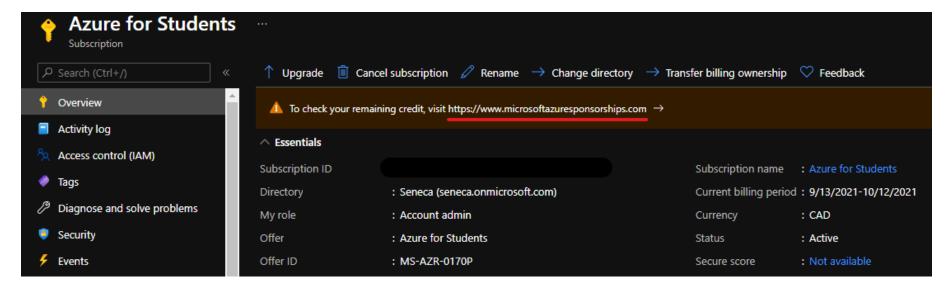
Seneca

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: <u>AZ-900T0X-MICROSOFTAZUREFUNDAMENTALS</u>

19 - Use the Pricing Calculator

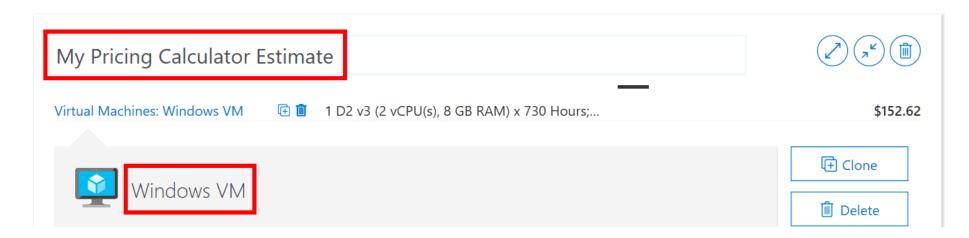
In this walkthrough, we will use the Azure Pricing Calculator to generate a cost estimate for an Azure virtual machine and related network resources.

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.

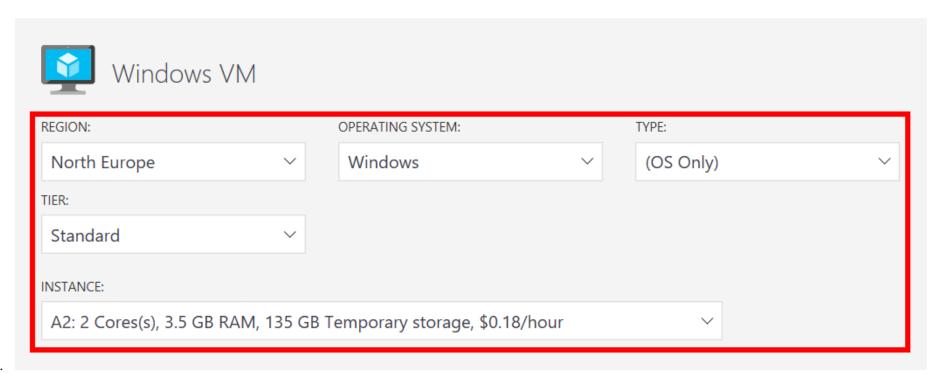
Note: To create an Azure Pricing Calculator estimate, this walkthrough provides example configurations for the VM and related resources. Use this example configurations or provide the Azure Pricing Calculator with details of your *actual* resource requirements instead.

- 1. In a browser, navigate to the <u>Azure Pricing Calculator</u> 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.

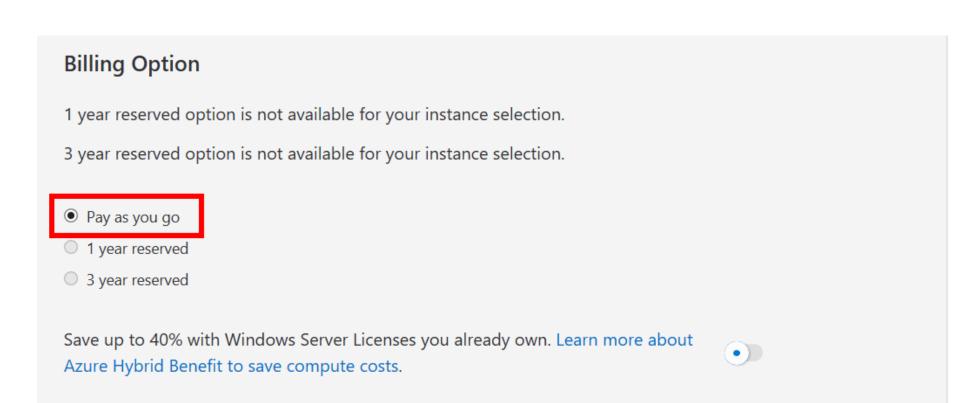


4. Modify the default VM configuration.

Region		Operating system	Туре	
North Europe		Windows	(OS only)	
Tier	Instance			
Standard	A2: 2 Core(s), 3.5 GB RAM, 135 GB Temporary storage			

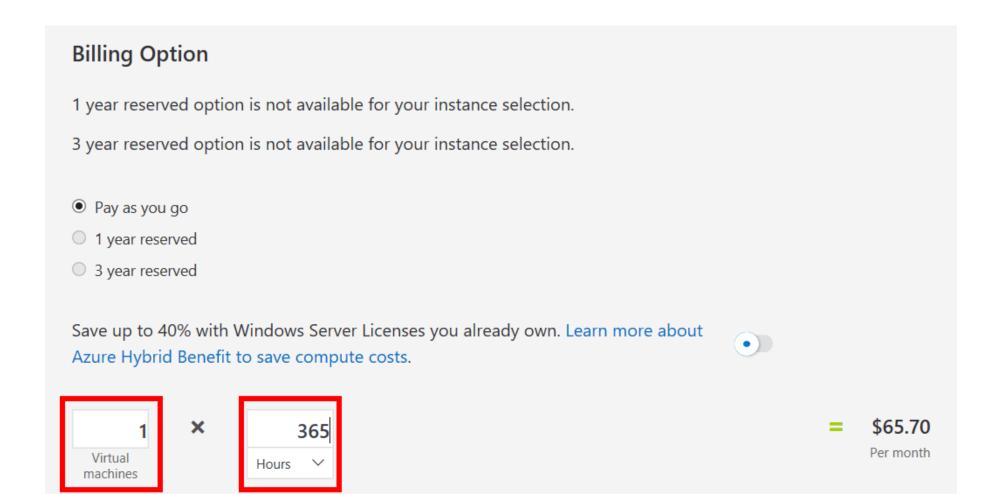


- 7. **Note**: The VM instance specifications and pricing may differ from those in this example. Follow this walkthrough by choosing an instance that matches the example as closely as possible. To view details about the different VM product options, choose **Product details** from the **More info** menu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



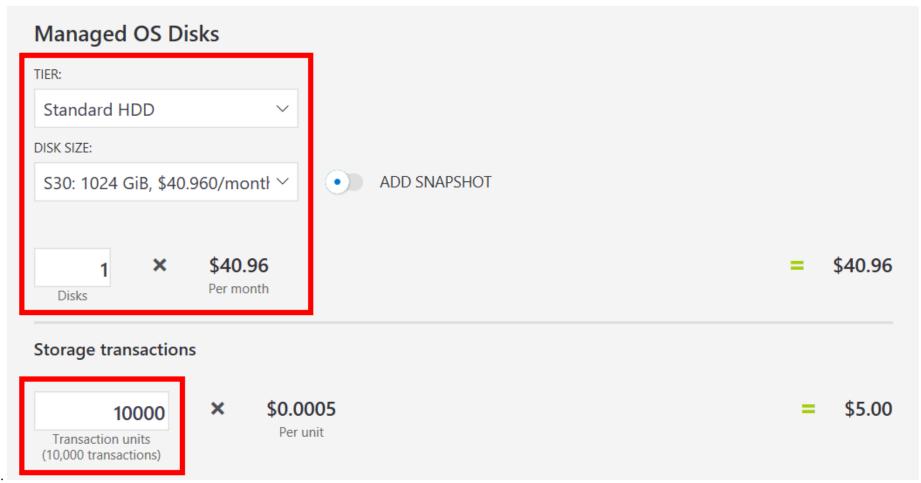
9. In Azure, a month is defined as 730 hours. If your VM needs to be available 100 percent of the time each month, you set the hours-per-month value to 730. This walkthrough example requires one VM to be available 50 percent of the time each month.

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



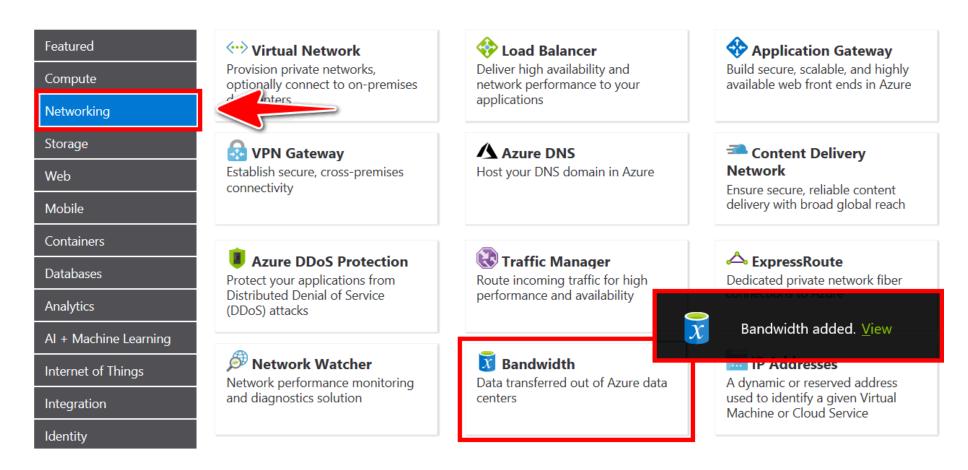
10. In the **Managed OS Disks** pane, modify the default VM storage configuration.

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



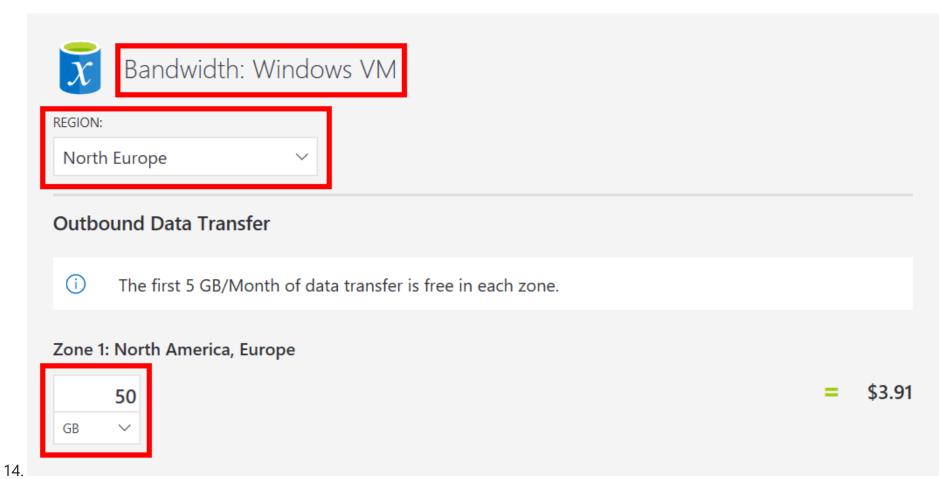
12. To add networking bandwidth to your estimate, go to the top of the Azure Pricing Calculator webpage.

Click **Networking** in the product menu on the left, then click the **Bandwidth** tile. In the **Bandwidth added** message dialog, click **View**.

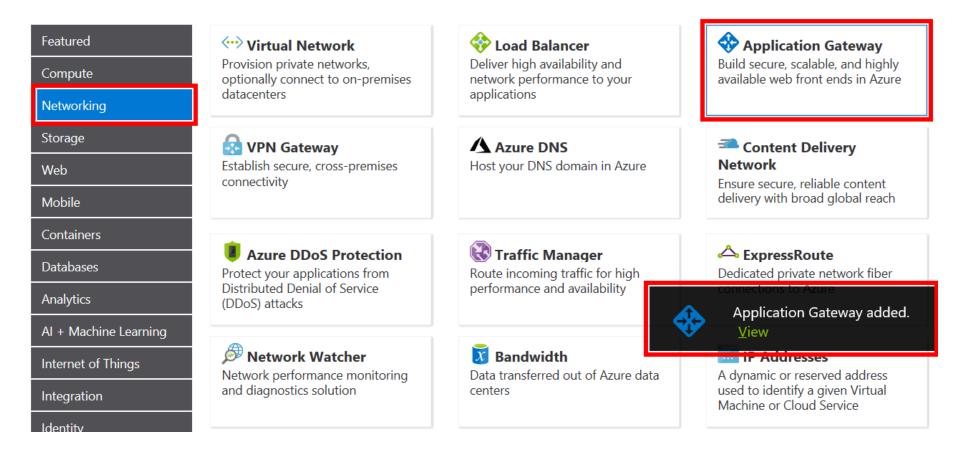


13. Add a name for your VM bandwidth configuration. This walkthrough example uses the name **Bandwidth: Windows VM**. Modify the default bandwidth configuration by adding the following details.

Region	Zone 1 Outbound Data Transfer Amount	
North Europe	50 GB	



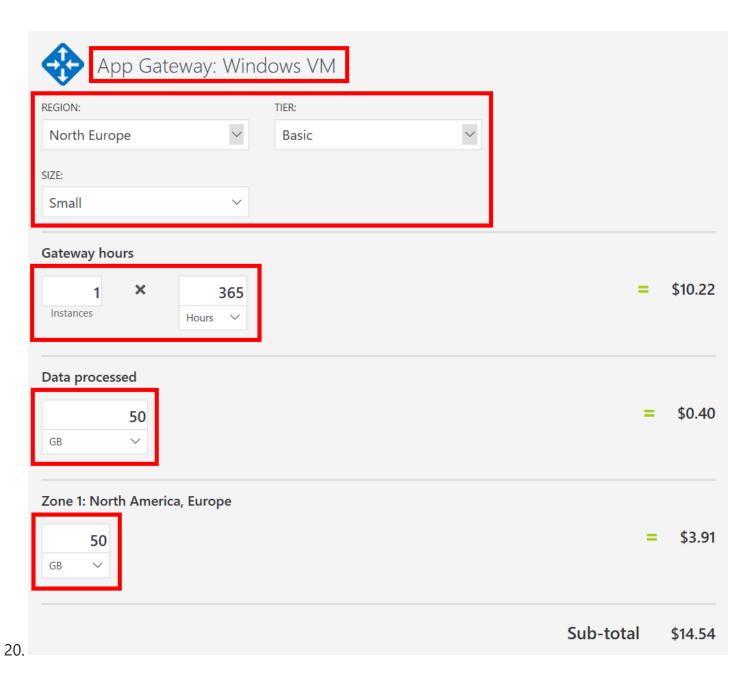
15. To add an Application Gateway, return to the top of the Azure Pricing Calculator webpage. In the **Networking** product menu, click the **Application Gateway** tile. In the **Application Gateway** message dialog, click **View**.



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			



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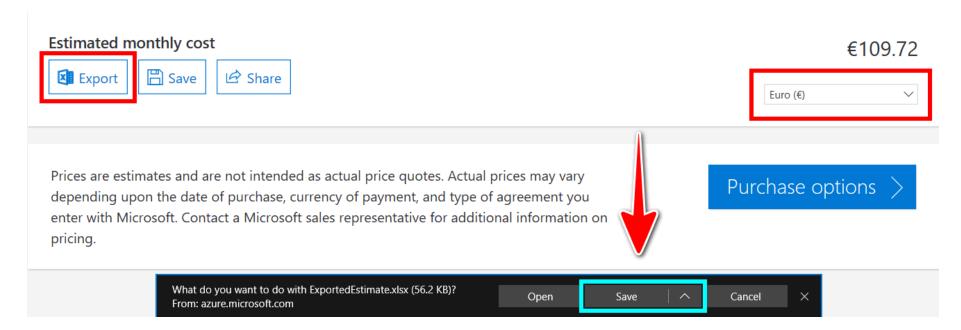
Task 2: Review the pricing estimate

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.



My Pricing Calculato	r 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);	€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
			Monthly Total	€109.72
			Annual Total	€1,316.66
Disclaimer				

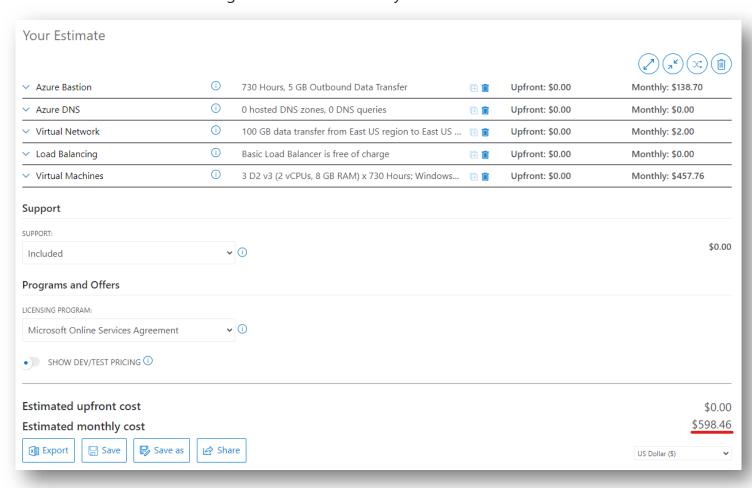
Congratulations! You downloaded an estimate from the Azure Pricing Calculator.

This estimate was created at 3/30/2019 10:01:38 PM UTC.

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



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