

# Lab 19 - Use the Pricing Calculator

Please be aware that no Lab VM is provided for this exercise. You will need to complete the lab on your personal computer.

## Lab overview

The Pricing Calculator is a tool provided by Microsoft Azure that allows users to estimate and understand the cost of Azure services before deployment. It enables users to explore various Azure products and services, configure different options and parameters, and generate cost estimates based on usage patterns and requirements.

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

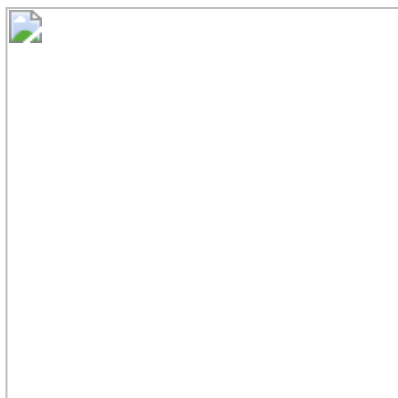
## Lab objectives

In this lab, you will complete the following tasks:

- Task 1: Configure the pricing calculator
- Task 2: Review the pricing estimate

Estimated timing: 10 minutes

## Architecture diagram

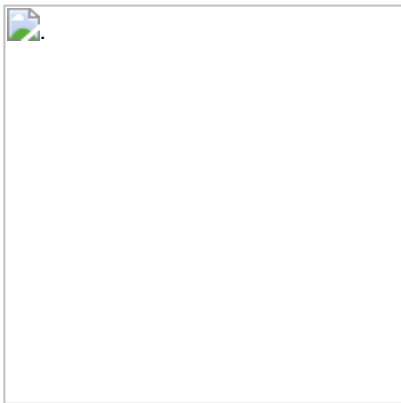


# Task 1: Configure the pricing calculator

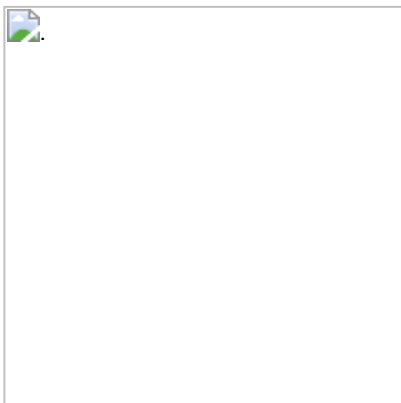
In this task, we will estimate cost of a sample infrastructure by using the Azure Pricing Calculator.

**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. Open your preferred browser on your personal machine, navigate to the [Azure Pricing Calculator](https://azure.microsoft.com/en-us/pricing/calculator/) (<https://azure.microsoft.com/en-us/pricing/calculator/>), webpage.
2. To add details of your VM configuration, click **Virtual Machines** on the **Products** tab and subsequently click on **View** in the pop-up that appears. Scroll down to view the virtual machine details.

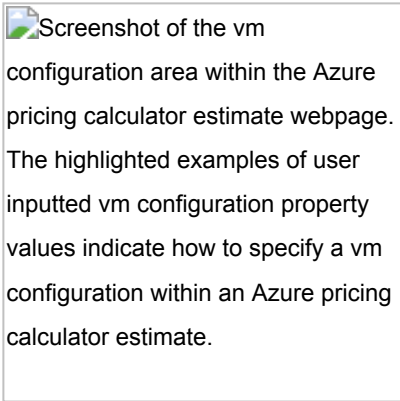


3. Replace **Your Estimate** and **Virtual Machines** text with more descriptive names for your Azure Pricing Calculator estimate and your VM configuration. This walkthrough example uses **My Pricing Calculator Estimate** for the estimate.



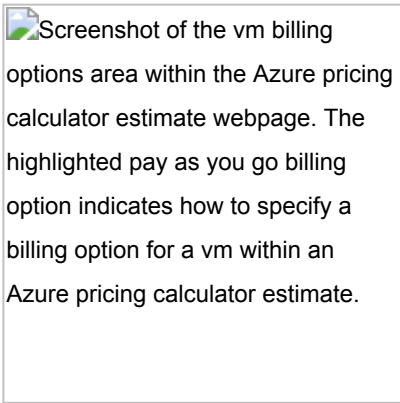
4. Modify the default VM configuration.

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



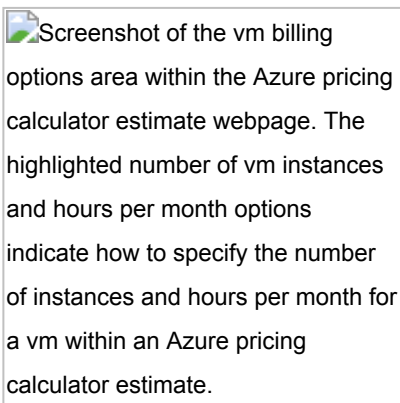
**Note:** The VM instance specifications and pricing may differ from those in this example. Follow this walkthrough by choosing an instance that matches the example as closely as possible.

5. Set the **Savings Options** to **Pay as you go**.



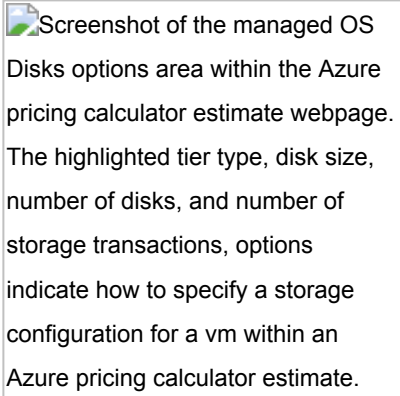
6. In Azure, a month is defined as 730 hours. If your VM needs to be available 100 percent of the time each month, you set the hours-per-month value to 730. This walkthrough example requires one VM to be available 50 percent of the time each month.

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

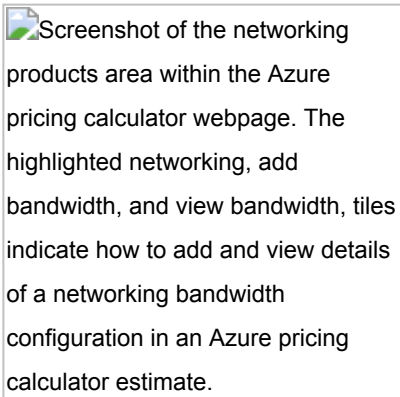


7. Scroll down and in the **Managed OS Disks** pane, modify the default VM storage configuration.

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

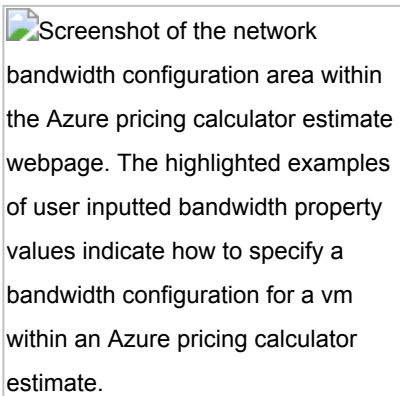
Screenshot of the managed OS Disks options area within the Azure pricing calculator estimate webpage. The highlighted tier type, disk size, number of disks, and number of storage transactions, options indicate how to specify a storage configuration for a vm within an Azure pricing calculator estimate.

8. 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**.

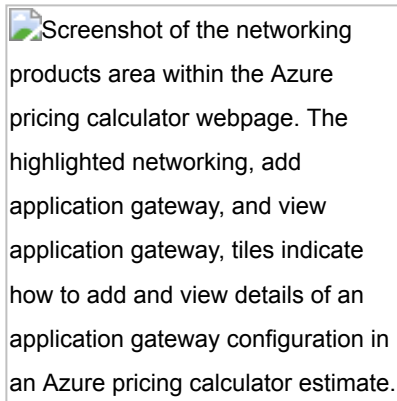
Screenshot of the networking products area within the Azure pricing calculator webpage. The highlighted networking, add bandwidth, and view bandwidth, tiles indicate how to add and view details of a networking bandwidth configuration in an Azure pricing calculator estimate.

9. 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       | Outbound Data Transfer Amount |
|--------------|-------------------------------|
| North Europe | 50 GB                         |

Screenshot of the network bandwidth configuration area within the Azure pricing calculator estimate webpage. The highlighted examples of user inputted bandwidth property values indicate how to specify a bandwidth configuration for a vm within an Azure pricing calculator estimate.

10. 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**.



11. 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 |

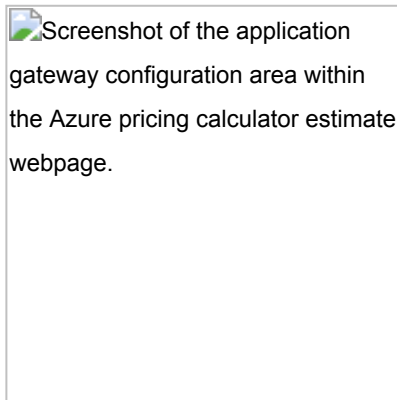
  

| Instances | Hours |
|-----------|-------|
| 1         | 365   |

**Data processed**  
50 GB

**Zone 1: North America, Europe**  
50 GB




## 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. We can change the currency from dollars to any other currency of our choice, for instance, let us change the currency to Euro, then select **Export** to download a copy of the estimate for offline viewing in Microsoft Excel (.xlsx) format.

 Screenshot of an example Azure pricing calculator estimate in Microsoft excel.

3. Open the downloaded Cost Estimation Sheet.

 Screenshot of an example Azure pricing calculator estimate in Microsoft excel.

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

## Review

In this lab, you have completed:

- Configure the pricing calculator
- Review the pricing estimate

## Reference links

- <https://azure.microsoft.com/en-gb/pricing/#product-pricing> (<https://azure.microsoft.com/en-gb/pricing/#product-pricing>)
- <https://learn.microsoft.com/en-us/azure/cost-management-billing/costs/pricing-calculator> (<https://learn.microsoft.com/en-us/azure/cost-management-billing/costs/pricing-calculator>)

You have successfully completed this lab.