Create a VM with a Template

Introduction

In this walkthrough, we will deploy a virtual machine with a QuickStart template and examine monitoring capabilities.

Task 1: Explore the gallery and locate a template

In this task, we will browse the Azure QuickStart gallery and deploy a template to create a virtual machine.

1- Sign into the Azure portal https://portal.azure.com at the following link using the username and password provided by the instructor.

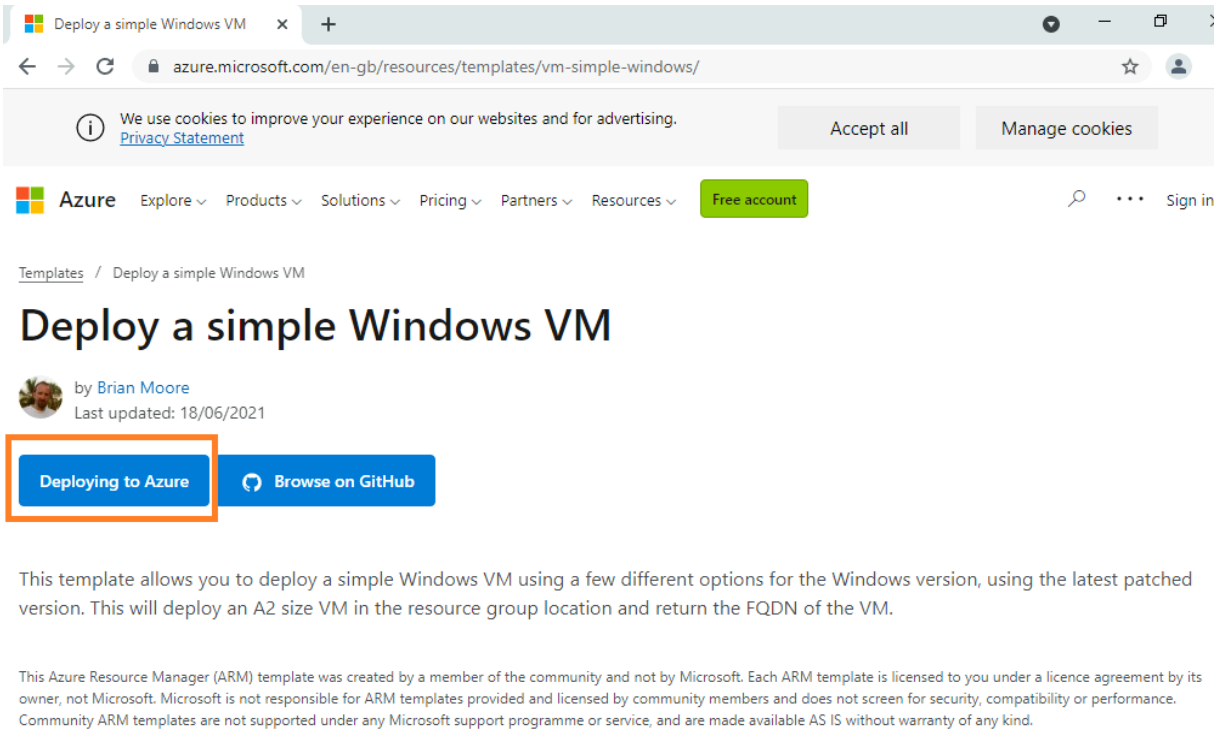
2- In a new tab, access the Azure Quickstart Templates gallery at the following link. In the gallery you will find a number of popular and recently updated templates. These templates work with both Azure resources and popular software packages.

https://azure.microsoft.com/resources/templates?azure-portal=true

3- Browse through the many different types of templates that are available. Are there any templates that are of interest to you?

4- Search for or directly access the Deploy a simple Windows VM template.

https://azure.microsoft.com/en-gb/resources/templates/vm-simple-windows/



Note: The Deploy to Azure button enables you to deploy the template directly to the Azure portal. Notice this template only prompts you for a small set of configuration parameters.

5- Click the Deploy to Azure button. Your browser session will be automatically redirected to the Azure portal.

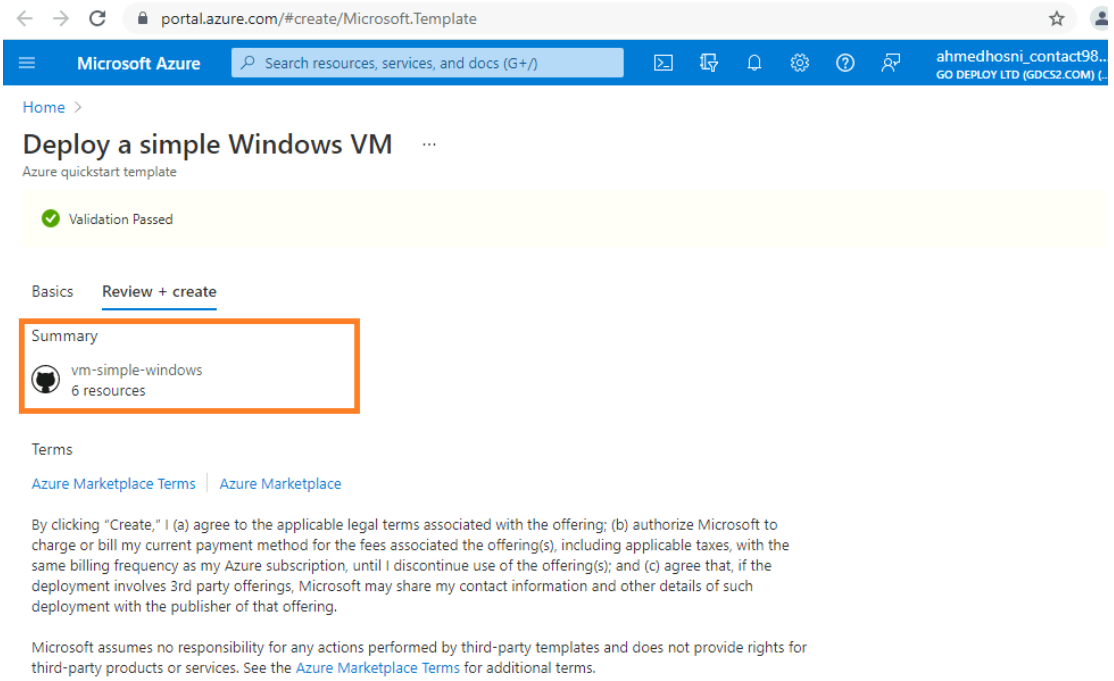
6- If prompted, sign into the Azure subscription you want to use in this lab.

7- Click Edit template. The Resource Manager template format uses the JSON format. Review the parameters and variables. Then locate the parameter for the virtual machine name. Change the name to myVMTemplate. Save your changes. You are returned to the Custom deployment blade in the Azure portal.

8- Configure the template parameters (replace xxxx in the DNS label prefix with letters and digits such that the label is globally unique). Leave the defaults for everything else.

Setting	Value
Subscription	**CloudShare2**
Resource group	**myRGTemplate-2ZMDVLQHRH**
Location	**(US) East US**
Admin username	azureuser
Admin password	Pa$$w0rd1234
DNS label prefix	**myvmtemplatexxxx**
Windows OS version	**2019-Datacenter**
Vm Size	**Standard_D2s_v3**

9- Click Review + Create then select Create.



10- Monitor your deployment.

Task 2: Verify and monitor your virtual machine deployment

In this task, we will verify the virtual machine deployed correctly.

1- From the All services blade, search for and select Virtual machines.

2- Ensure your new virtual machine was created.

3- Select your virtual machine and on the Overview pane scroll down to view monitoring data.

Note: The monitoring timeframe can be adjusted from one hour to 30 days.

4- Review different charts that are provided including CPU (average), Network (total), and Disk bytes (total).

5- Click on any chart. Note that you can Add metric and change the chart type. As you have time, experiment.

6- Return to the Overview blade.

7- Click on the Activity log (left pane). Activity logs record such events as creation or modification of resources.

8- Click Add filter, and experiment with searching for different event types and operations.

Congratulations! You have now completed this lab. You can safely end your lab.