

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

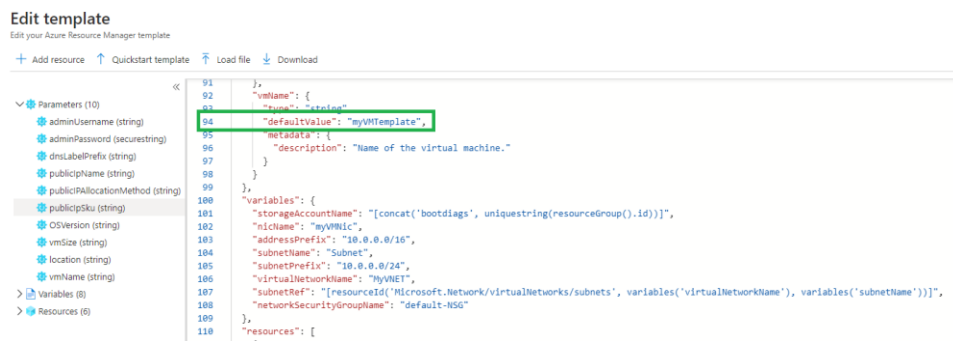
Task 1: Explore the QuickStart gallery and locate a template

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

1. Within the lab environment, open a new browser window, and enter <https://azure.microsoft.com/en-us/resources/templates/?azure-portal=true>. In the gallery you will find a number of popular and recently updated templates. These templates automate deployment of Azure resources, including installation of popular software packages. Browse through the many different types of templates that are available.
2. Select the **Deploy a simple Windows VM**
3. Click the **Deploy to Azure** button. Your browser session will be automatically redirected to the [Azure portal](#).

**Note:** The **Deploy to Azure** button enables you to deploy the template via the Azure portal. During such deployment, you will be prompted only for small set of configuration parameters.

4. When prompted, sign into your Azure subscription using the credentials provided earlier in the instructions.
5. Click **Edit template**. The Resource Manager template format uses the JSON format. Review the parameters and variables. Then locate the parameter for virtual machine name. Change the name to **myVMTemplate**. **Save** your changes.



6. Now configure the parameters required by the template (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   | <b>Keep default supplied</b>     |
| Resource group | <b>Create new resource group</b> |
| Region         | Keep default                     |
| Admin username | <b>azureuser</b>                 |

|                  |                  |
|------------------|------------------|
| Admin password   | Pa\$\$w0rd1234   |
| DNS label prefix | myvmtemplatexxxx |
| OS version       | 2019-Datacenter  |

8. Click **Review + Create**.
9. Monitor your deployment.

Task 2: Verify and monitor your virtual machine deployment

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

10. From the **All services** blade, search for and select **Virtual machines**.
11. Ensure your new virtual machine was created.

**Virtual machines**  
Microsoft

+ Add Reservations Edit columns Refresh Assign tags Start Restart Stop Delete Services

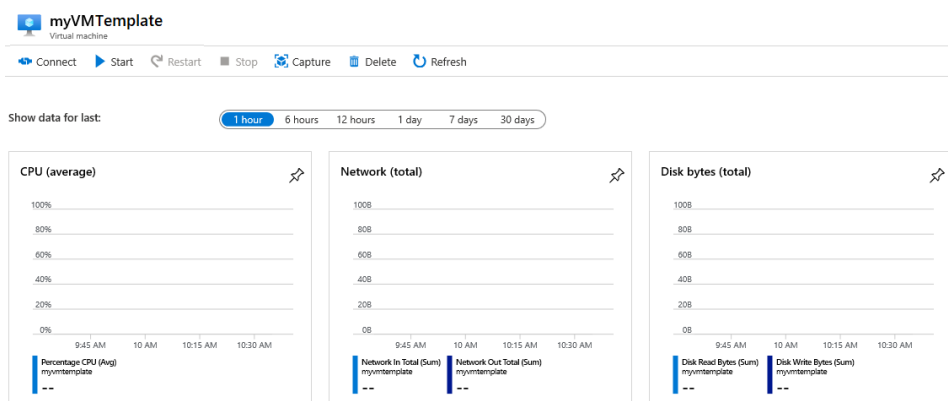
Subscriptions: 1 of 4 selected – Don't see a subscription? [Open Directory + Subscription settings](#)

Filter by name... Visual Studio Enterprise All resource groups

1 items

| <input type="checkbox"/> | Name         | Type            | Private IP address | Resource group | Location | Status  |
|--------------------------|--------------|-----------------|--------------------|----------------|----------|---------|
| <input type="checkbox"/> | myVMTemplate | Virtual machine | 10.0.0.4           | myRGTemplate   | East US  | Running |

- 12.
13. Select your virtual machine and on the **Overview** pane, select the **Monitoring** tab, scroll down to view monitoring data.
14. **Note:** The monitoring timeframe can be adjusted from one hour to 30 days.
15. Review different charts that are provided including **CPU (average)**, **Network (total)**, and **Disk bytes (total)**.



- 16.
17. Click on any chart. Note that you can **Add metric** and change the chart type.
18. Return to the **Overview** blade. (slide toggle bar left)
19. Click on the **Activity log** (left pane). Activity logs record such events as creation or modification of resources.
20. Click **Add filter**, and experiment with searching for different event types and operations.

**myVM - Activity log**  
Virtual machine

Management Group : **None**    Subscription : **Visual Studio Enterprise**    Timespan : **Last 6 hours**    Event severity : **All**

Resource type : 0 selected ⚙️ Add Filter

Resource type

- Operation  
An action or command, such as create, delete, and write, that affects Azure Resource Manager resources
- Event initiated by  
The user who started an operation
- Event category  
The event type for certain operations

|  | Status    | Time    | Time stamp    | Subscription                             |
|--|-----------|---------|---------------|--|
| 10 > Operation                               | Succeeded | 2 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |
| > Event initiated by                         | Updated   | 2 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |
| > Event category                             | Succeeded | 3 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |
| > Deallocate Virtual Machine                 | Succeeded | 3 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |
| > Health Event Updated                       | Updated   | 3 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |
| > Create or Update Virtual Machine Extension | Succeeded | 3 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |
| > 'audit' Policy action.                     | Succeeded | 3 h ago | Mon Oct 14... | <a href="#">Visual Studio Enterprise</a> |

21.

Congratulations! You have successfully created a resource from a template and deployed that template to Azure.

**Note:** To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.