

In this lab, we are creating a network infrastructure and deploying a Windows virtual machine (VM) in Microsoft Azure. Here's a structured breakdown of what we're creating:

Virtual Network (demo-network):

- Creates a virtual network named "demo-network" in the specified location (Central India).
- Defines an address space of 10.0.0.0/16.
- Includes two subnets: "SubnetA" (10.0.0.0/24) and "SubnetB" (10.0.1.0/24).
- Public IP Address (demo-ip):
- Creates a public IP address named "demo-ip" with Basic SKU and dynamic allocation method.

Network Security Group (demo-nsg):

- Creates a network security group named "demo-nsg".
- Configures an inbound security rule allowing Remote Desktop Protocol (RDP) traffic on port 3389.
- Network Interface (demo-interface):
- Creates a network interface named "demo-interface" associated with the virtual network and public IP address.
- Depends on the existence of the virtual network, public IP address, and network security group.

Storage Account (demo-store102410):

Creates a storage account named "demo-store102410" with Standard_LRS redundancy.

Windows Virtual Machine (demo-windows-vm):

- Creates a Windows virtual machine named "demo-windows-vm" in the specified location.
- Specifies the VM size, OS profile (username, password), and storage profile.
- Configures the network profile to use the network interface.
- Enables boot diagnostics with the storage account for diagnostics data storage.
- Depends on the existence of the storage account and network interface.

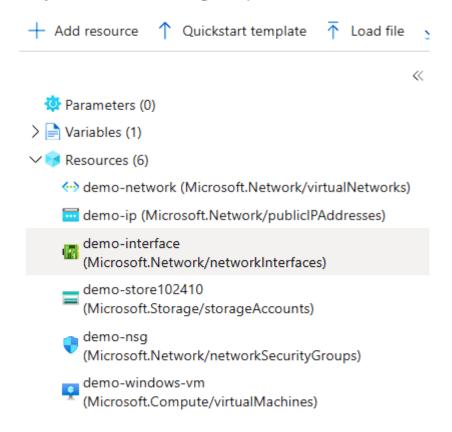


- 1. In this lab we are going to create a virtual machine using template deployment.
- 2. First you need to create a new file in VS Code.
- 3. Then we need to write the code to create the virtual machine.
- 4. Now open your Azure portal and paste your code there.

5. Below you can see that it will create everything, whatever we have mentioned in the code.

Edit template --

Edit your Azure Resource Manager template



- 6. Below you can see that I got an error message saying that the name of my storage account is not unique.
- 7. Now I have to change its name.

Errors



Summary

Raw Error

ERROR DETAILS

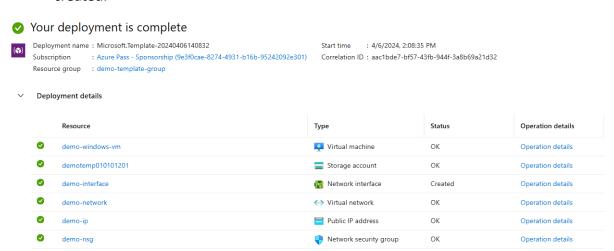


Preflight validation failed. Please refer to the details for the specific errors. (Code: PreflightValidationCheckFailed)

demo-store102410 is not a valid storage account name. Storage account name must be between 3 and 24 characters in length and use numbers and lower-case letters only. (Code: AccountNameInvalid, Target: demo-store102410)

WAS THIS HELPFUL? 台 収

- 8. Now after changing the name again try to deploy your template.
- 9. Once your deployment is completed it will show you that every resource has been created.



- 10. Now you can go to your resource group and see visit every resource to cross verify.
- 11. Or you just login to your VM and you will see that it is working properly.

