Azure Cloud

**Aim**: - Create a Virtual Machine Scale Sets (VMSS) in the Azure portal.

Create a Virtual Machine Scale Sets (VMSS) in the Azure portal

A Virtual Machine Scale Set allows you to deploy and manage a set of auto-scaling virtual machines. You can scale the number of VMs in the scale set manually, or define rules to autoscale based on resource usage like CPU, memory demand, or network traffic. An Azure load balancer then distributes traffic to the VM instances in the scale set.

1. Sign in to Azure

2. [Create virtual machine](https://learn.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal?tabs=ubuntu#create-virtual-machine)

3. [Connect to virtual machine](https://learn.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal?tabs=ubuntu#connect-to-virtual-machine)

4. Create Virtual machine Scale set

1. Sign in to Azure

Log in to the Azure portal at [https://portal.azure.com](https://portal.azure.com/).

2. [Create virtual machine](https://learn.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal?tabs=ubuntu#create-virtual-machine)

Create a **Windows server 2019** in Azure portal.

3. [Connect to virtual machine](https://learn.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal?tabs=ubuntu#connect-to-virtual-machine)

Create a remote desktop connection to the virtual machine.

4. [Create virtual machine](https://learn.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal?tabs=ubuntu#connect-to-virtual-machine) scale set (VMSS)

To deploy a scale set with a Windows Server image or Linux etc..

All service->compute->Virtual machine scale set->vmss

# 

On the **Networking page**, under Network interface, create new nic.

Public inbound port->allow ports, Public IP address-> Enabled

# 

# On the **Scaling page,** select the Scaling policy **Autoscaling.**

# 

# Successfully created the [virtual machine](https://learn.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal?tabs=ubuntu#connect-to-virtual-machine) scale set (VMSS)

# 