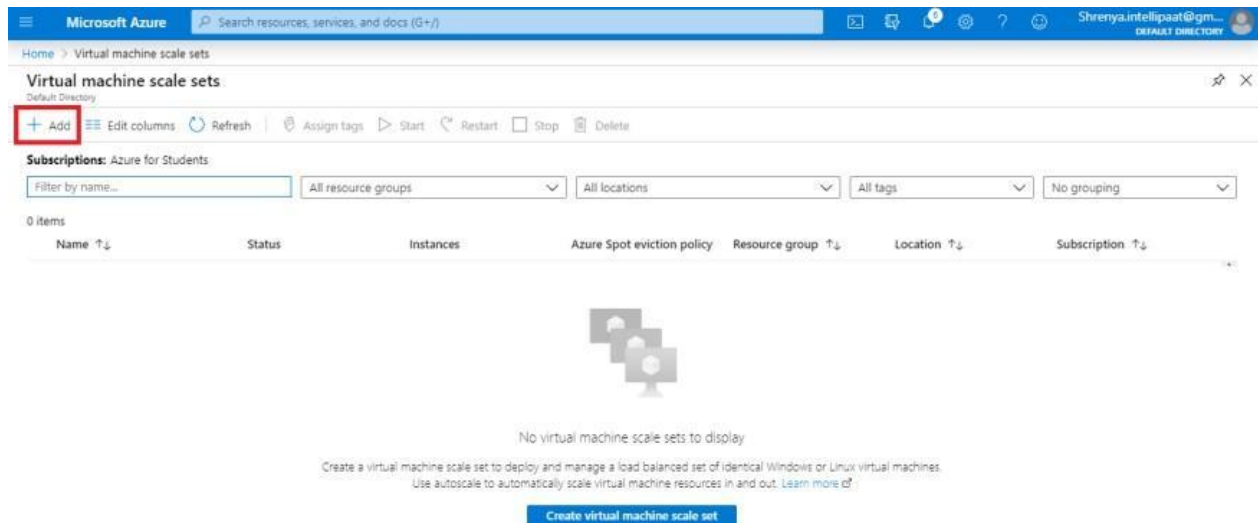


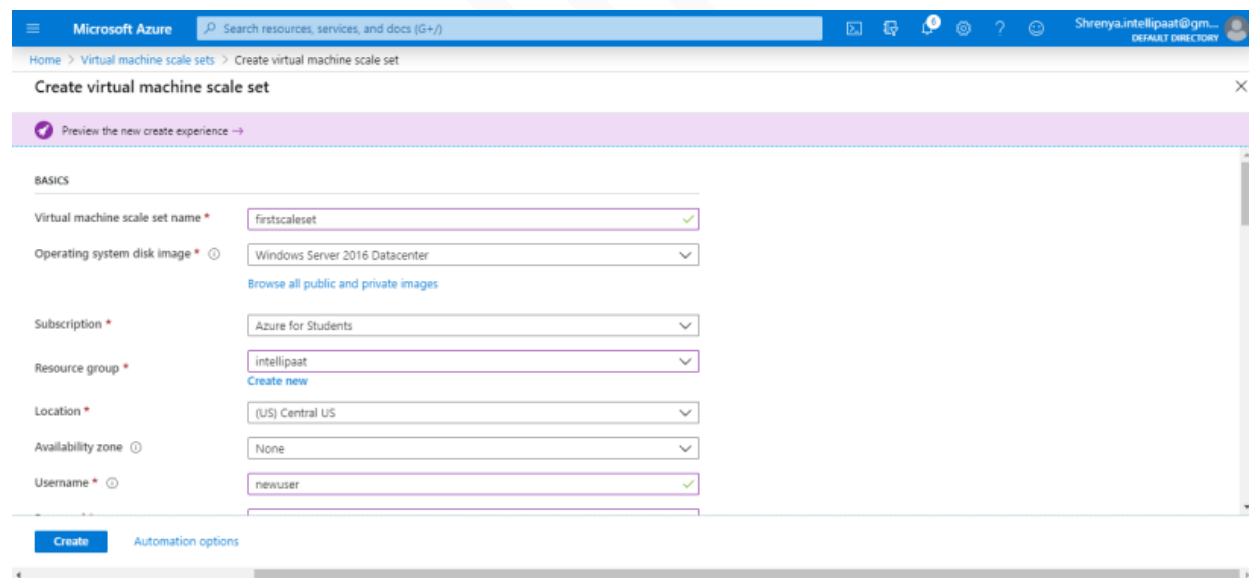


## **Module 4: Hands-On: Creating a Virtual Machine Scale Set**

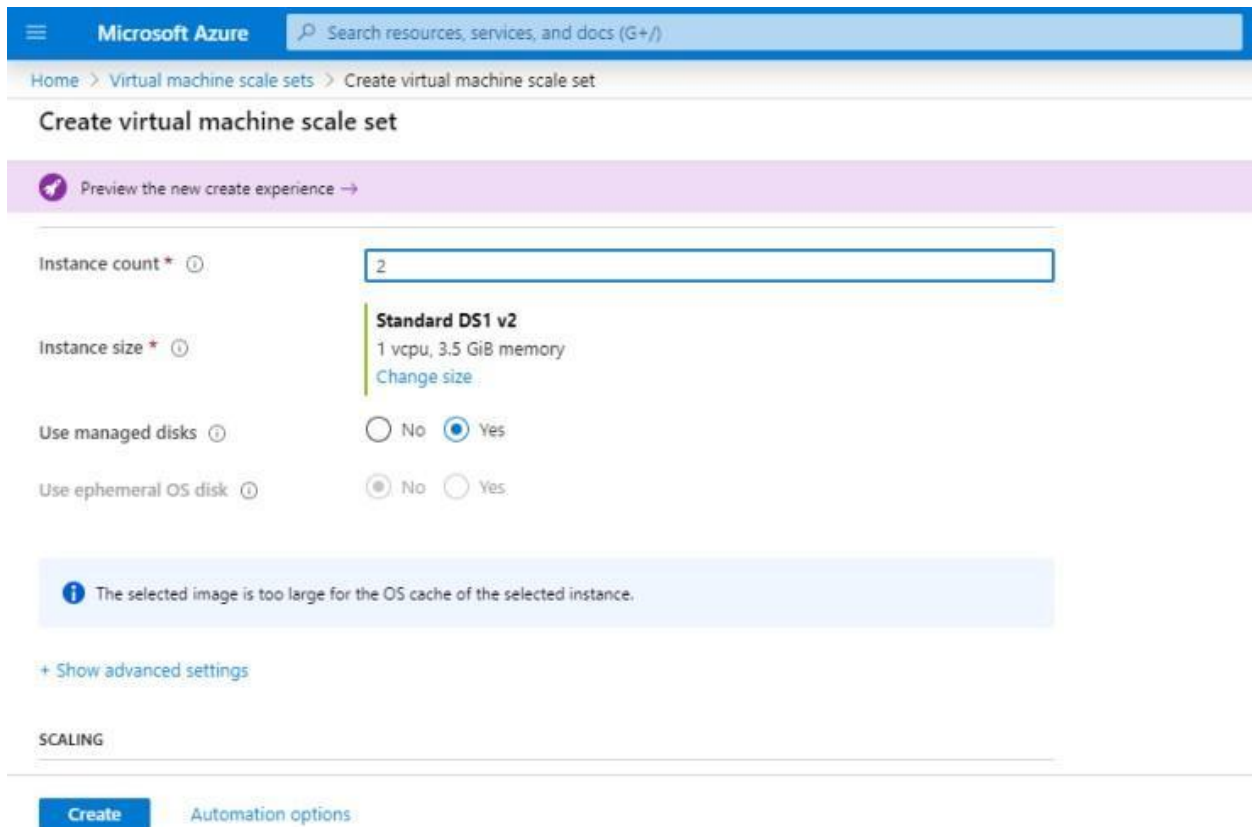
**Step 1:** Go to the Azure service 'Virtual machine scale sets' from the search bar and click on Add



**Step 2:** Fill in the details as required




### Step 3: Enter the instance count and the preferred instance size



Microsoft Azure Search resources, services, and docs (G+)

Home > Virtual machine scale sets > Create virtual machine scale set

### Create virtual machine scale set


 Preview the new create experience →

Instance count \* ⓘ

Instance size \* ⓘ  
**Standard DS1 v2**  
1 vcpu, 3.5 GiB memory  
[Change size](#)

Use managed disks ⓘ ☐ No ☒ Yes

Use ephemeral OS disk ⓘ ☒ No ☐ Yes

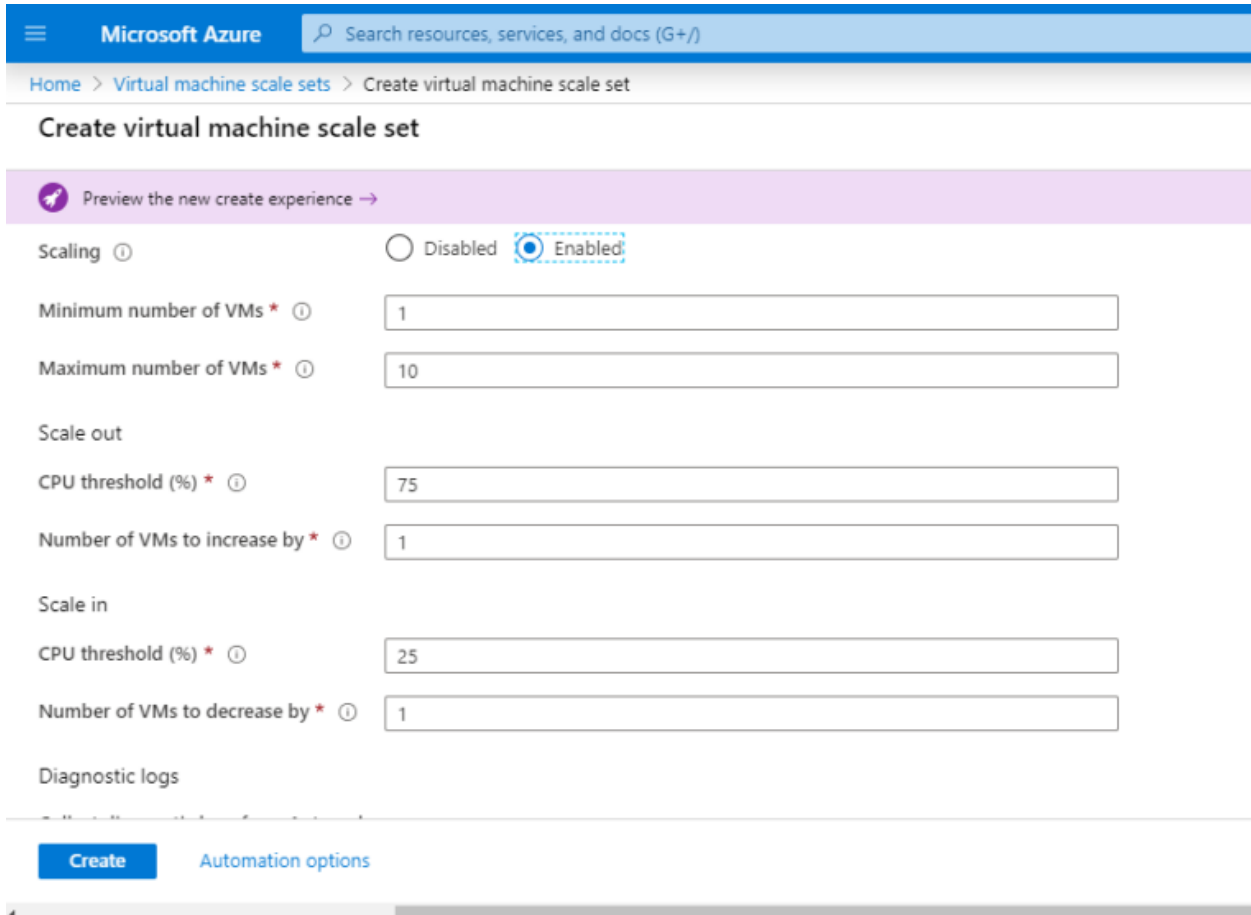
 The selected image is too large for the OS cache of the selected instance.

[+ Show advanced settings](#)

SCALING

[Create](#) [Automation options](#)


**Step 4:** Enable scaling if it is required. If you go for it, it will ask for details such as the CPU threshold for increasing and decreasing the number of VMs





Microsoft Azure Search resources, services, and docs (G+)


Home > Virtual machine scale sets > Create virtual machine scale set

### Create virtual machine scale set


 Preview the new create experience →


Scaling  ☐ Disabled ☒ Enabled

Minimum number of VMs \* 


Maximum number of VMs \* 


Scale out

CPU threshold (%) \* 

Number of VMs to increase by \* 

Scale in

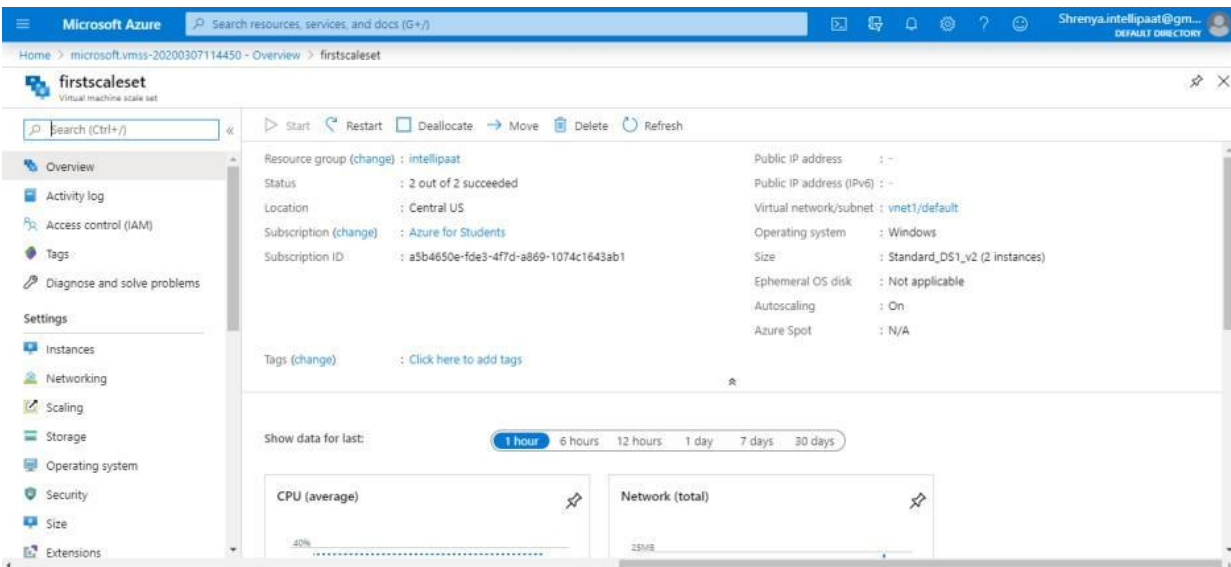
CPU threshold (%) \* 

Number of VMs to decrease by \* 

D diagnostic logs

[Create](#) [Automation options](#)

**Step 5:** Choose the load balancing options such as Virtual network, Application gateway or Load balancer. Create a virtual network if it hasn't been deployed before. Click on Create



The screenshot displays the Azure portal interface for a Virtual Machine Scale Set named 'firstscaleaset'. The left-hand navigation pane includes sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Instances, Networking, Scaling, Storage, Operating system, Security, Size, and Extensions. The main content area provides a detailed overview of the scale set, including its resource group ('intellipaat'), status ('2 out of 2 succeeded'), location ('Central US'), subscription ('Azure for Students'), and subscription ID ('a5b4650e-fde3-4f7d-a869-1074c1643ab1'). It also lists configuration details such as the public IP address, virtual network/subnet ('vnet1/default'), operating system ('Windows'), size ('Standard\_DS1\_v2 (2 instances)'), ephemeral OS disk status ('Not applicable'), autoscaling ('On'), and Azure Spot status ('N/A'). At the bottom, there are two performance charts: 'CPU (average)' showing a 40% usage and 'Network (total)' showing 25MB/s. A large, semi-transparent 'IntelliPaat' watermark is visible across the lower half of the image.