

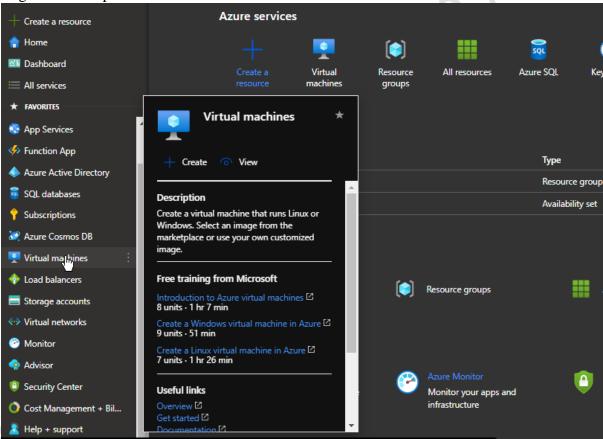
# DEMO: Implementing a VM Scale Set with Autoscaling

## Aim: Creating a Web App from Azure Command Line Interface Some Useful Link:

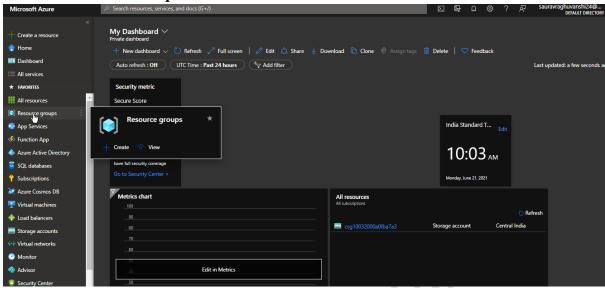
- Azure free Tier account creation: <a href="https://azure.microsoft.com/en-us/free/">https://azure.microsoft.com/en-us/free/</a>
- Azure Portal: <a href="https://portal.azure.com/#home">https://portal.azure.com/#home</a>
- Service Categories: <a href="https://azure.microsoft.com/services/">https://azure.microsoft.com/services/</a>
- Designing a Solution: <a href="https://docs.microsoft.com/azure/architecture/">https://docs.microsoft.com/azure/architecture/</a>

#### **Instructions:**

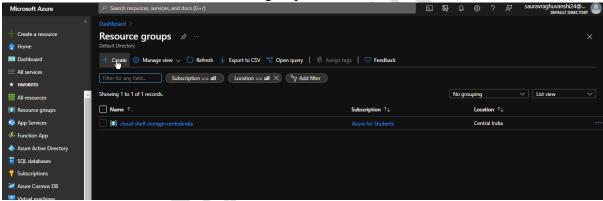
1. Login to Azure portal and then click on Virtual Machine



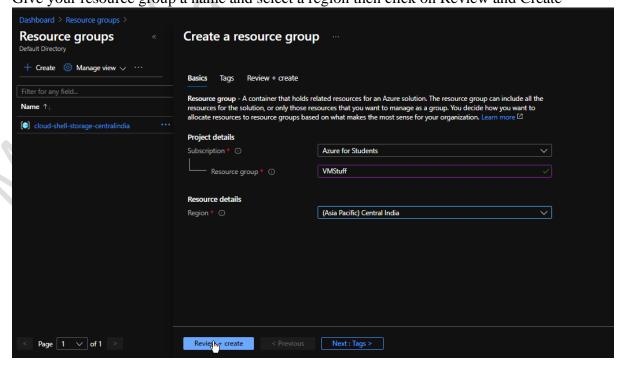
2. Click on Resource Groups



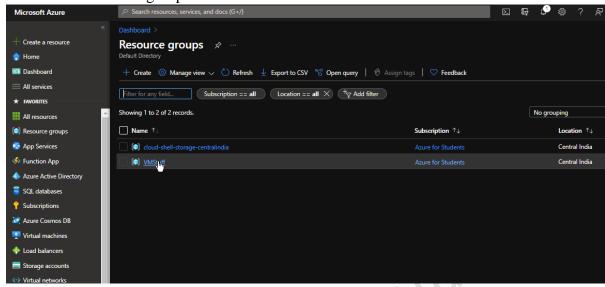
3. Click on Create to create a new resource group



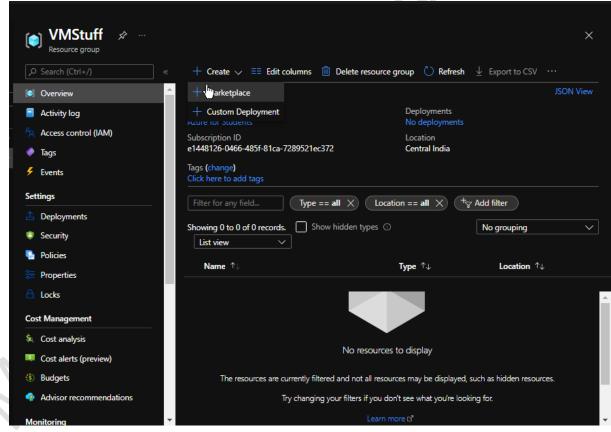
4. Give your resource group a name and select a region then click on Review and Create



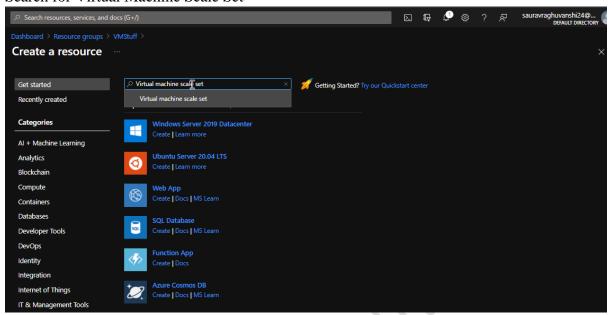
**5.** Click on the resource group



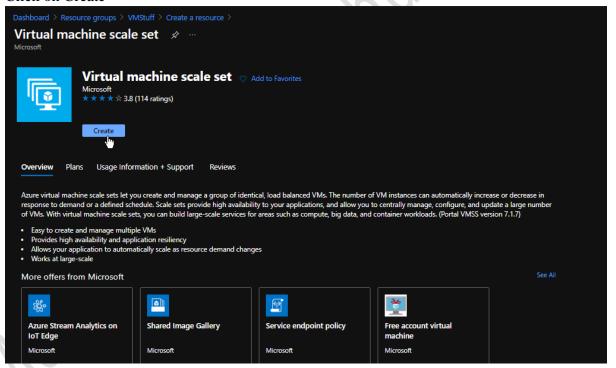
**6.** Click on Create then click Marcketplace



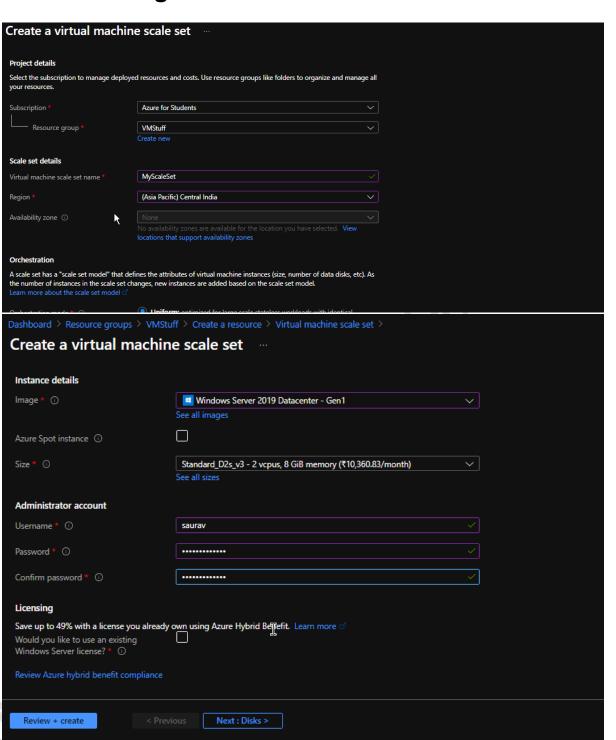
7. Search for Virtual Machine Scale Set



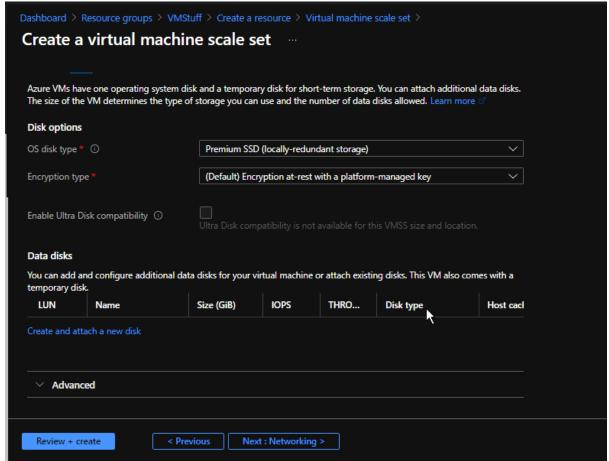
8. Click on Create



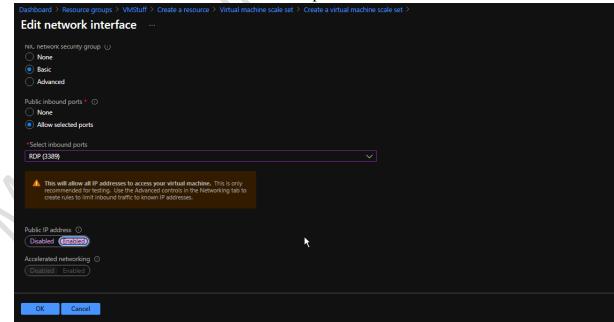
**9.** Give your VM Scale Set a name, select the image type and then give username and password and then click on next



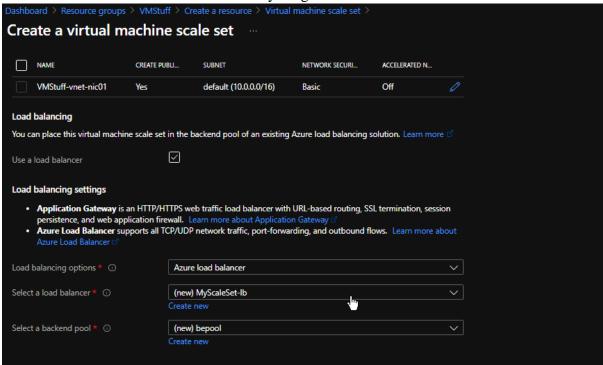
10. Leave everything default on the Disks page and click on next



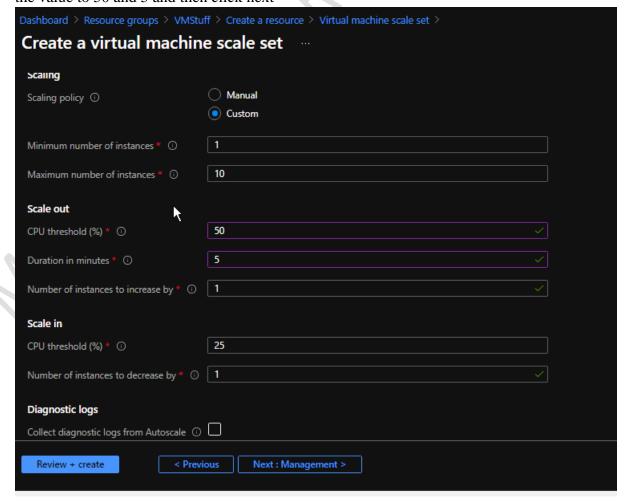
11. Click on edit Network Interface to allow RDP port and enable Public IP and click Ok



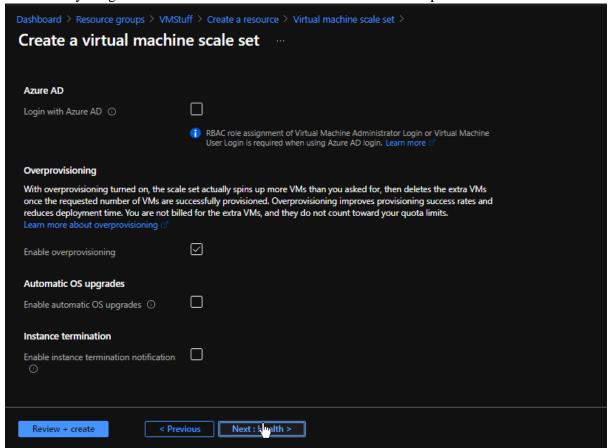
12. Click on use load balancer and leave everything default and then click Next



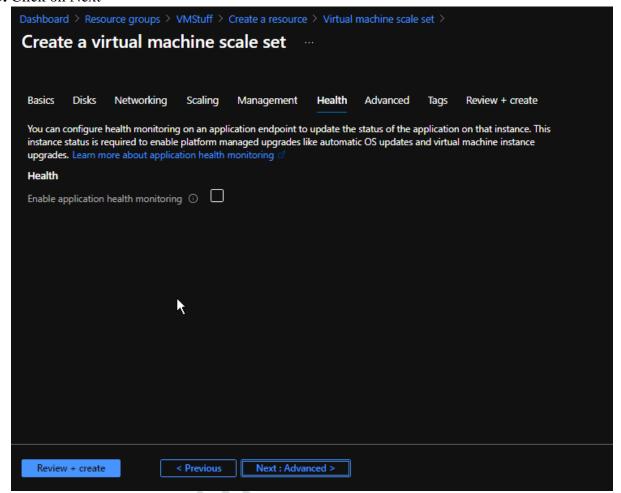
**13.** In this page select select Scaling policy as custom and in the scale out option change the value to 50 and 5 and then click next



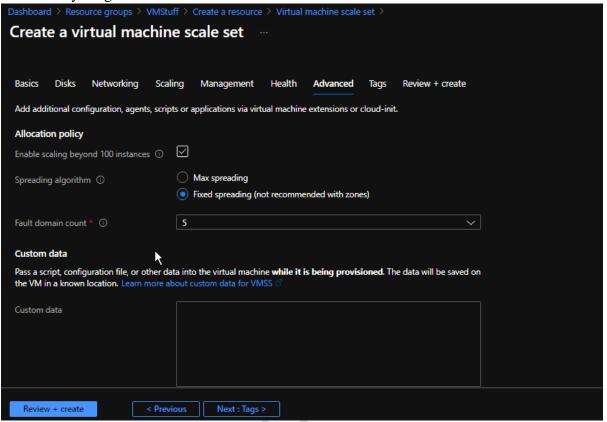
14. Leave everything default here and then click on Next for Health Option



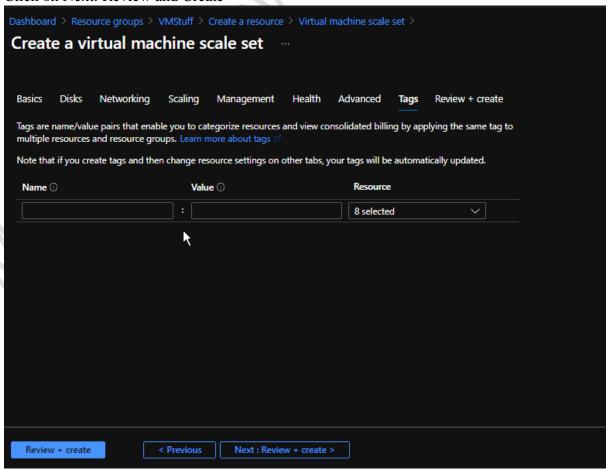
#### 15. Click on Next



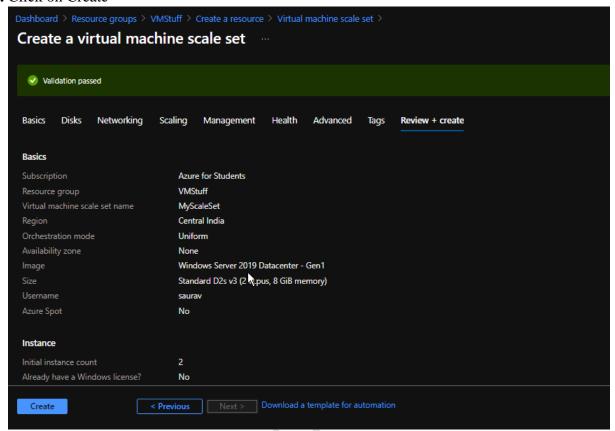
16. Leave everything default and then click on next



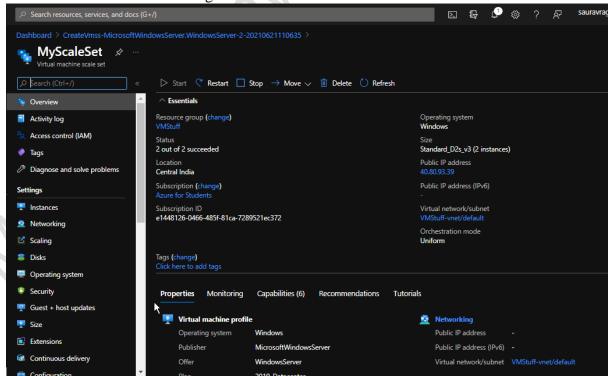
17. Click on Next: Review and Create



18. Click on Create

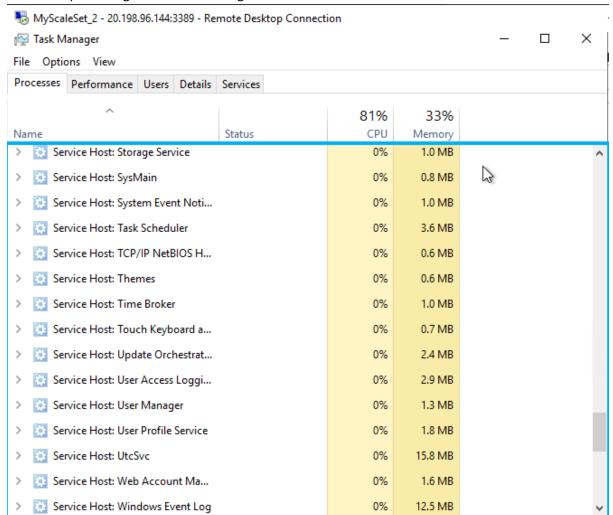


19. Wait for few minutes and then go to resource

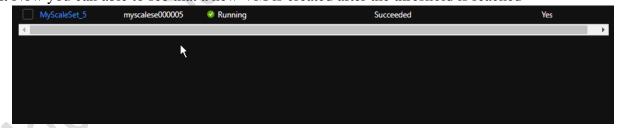


**20.** RDP to any one of the instances and then run multiple application so that CPU utilization cross 50%. For this run Window Defender for full scan and check the CPU

utilization percentage from Task Manager.



21. Now you can able to see that a new VM is created after the threshold is reached



Congratulations we have deployed VM Scale Set with Load balancer and implemented Auto Scaling © ©