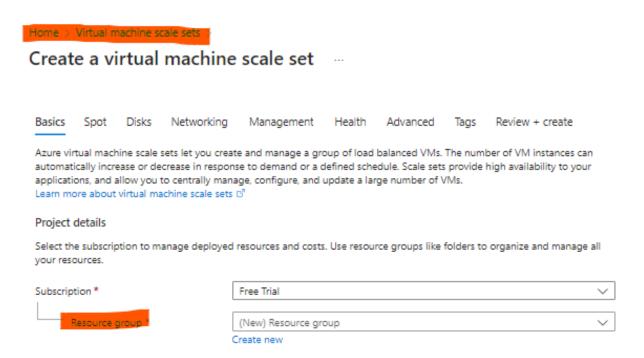


Azure section 8 - Hands on - Scale Set

Start with the search bar and search for the scale set.

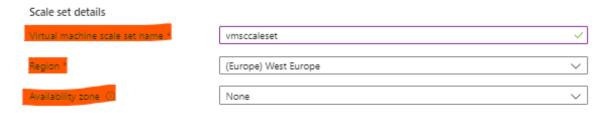


Search for the virtual machine scale set in the search bar and then give the name to the new resource group.

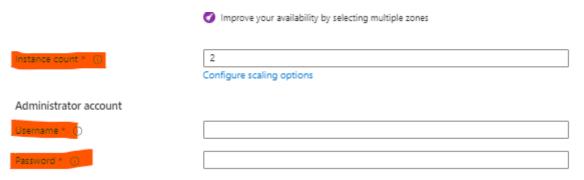
Azure section 8 - Hands on - Scale Set 1

Home > Virtual machine scale sets >

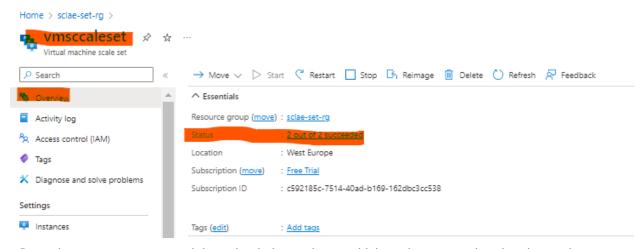
Create a virtual machine scale set



Give the name to the vm and choose the region and availability zone below there we need to choose the operating system image and also Disk.

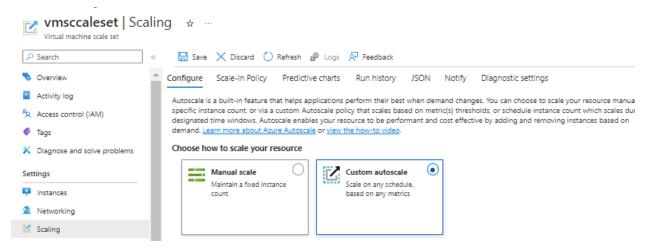


Then going forward we need to choose instance count set it to 2 and then give the user name and password and also confirm password.

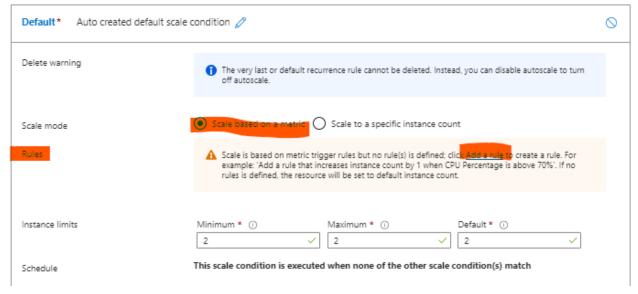


Go to the resource group and then check the scale set which we just created and to that review page we will see the status that both the VMs are running.

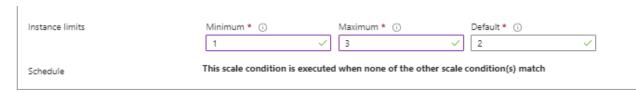
Azure section 8 - Hands on - Scale Set



Go to the scaling option under the scale set and then go to the custom auto-scale option and now we will configure the custom auto-scale.

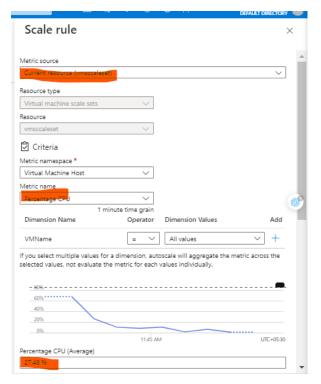


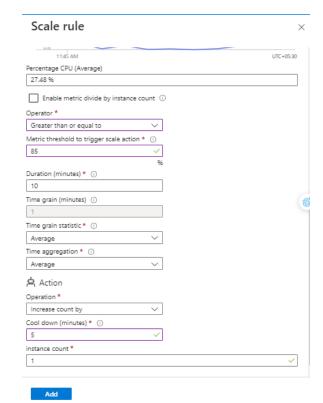
Click on the scale based on metric and then set the metric rule to increase the instance count.



Now i have set the minimum value of instance to 1 and the maximum to 3 and default to 2. This means that there will be two servers by default. and when the CPU usage will increase there will be one instance added to the scale set and will make total instance count to 3. And if the default instance 2 has CPU usage less than the threshold then the one instance will get terminated and will come count back

to 1.

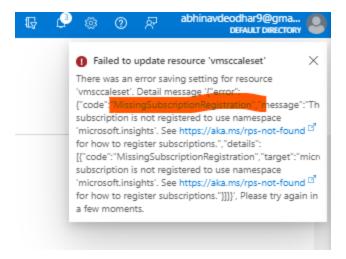




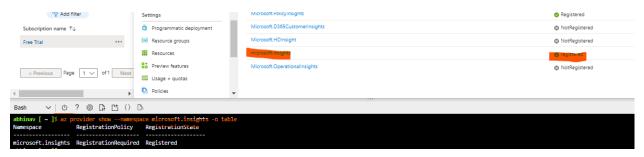
Set all parameters to set the rules.

Operator means condition of CPU it is greater than or equal to 85%. And then the second condition will be checked which is the time duration which means that the CPU usage which is at 85% or greater; does it stays that way for 10 mins or more? Then the third condition is checked that is by how much the instance count should be increased? So here it is 1 and then there is the cool down time. which means the scale set will wait for 5 mins before creating other VM if the Instance count would have been greater than 1. Which means that the Scale set will keep on adding the new VM by waiting for the 5 mins between creation of two consecutive VMS.

When we click on add and then save it then it may give us the following error.



For that go to the subscription and we need to add the rule to the subscription and then we can use this auto scaling. Go to the resources providers. And add microsoft insight policy. You can then use auto scaling.

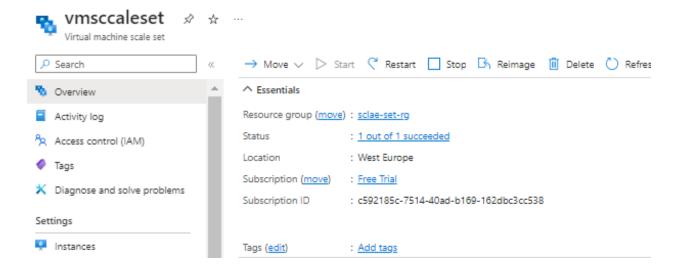


after searching the resource provider on the page click on register on the top of the page and then use the following command to see if the registration was successful.



I have also added a scale in condition which means that if the CPU value is less than 50 % then one VM will get deleted. So we know that the default value is 2 So we need to change it to 1 if we want the auto-scale to remove one instance.





Here is the hands on on scale set.