



Demo: Create an Availability Set

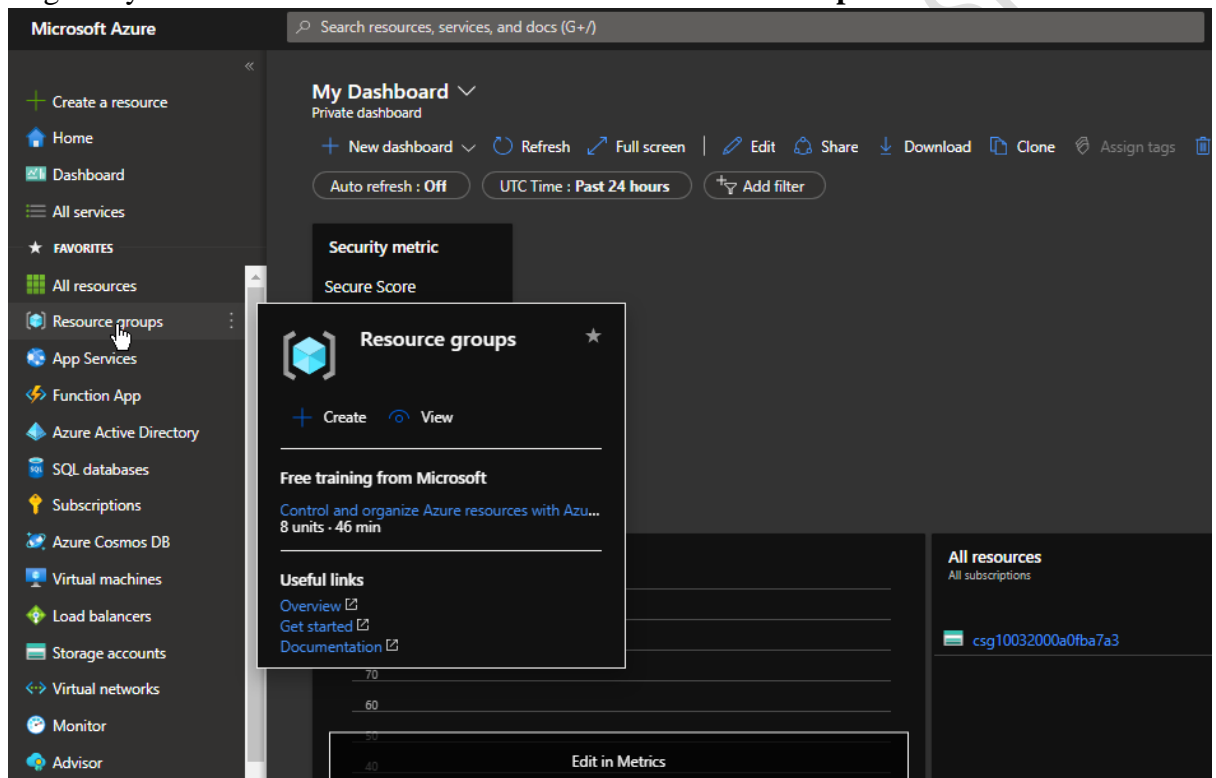
Author: Saurav Raghuvanshi

Aim: Create an Availability Set to use the high availability feature of Microsoft Azure

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

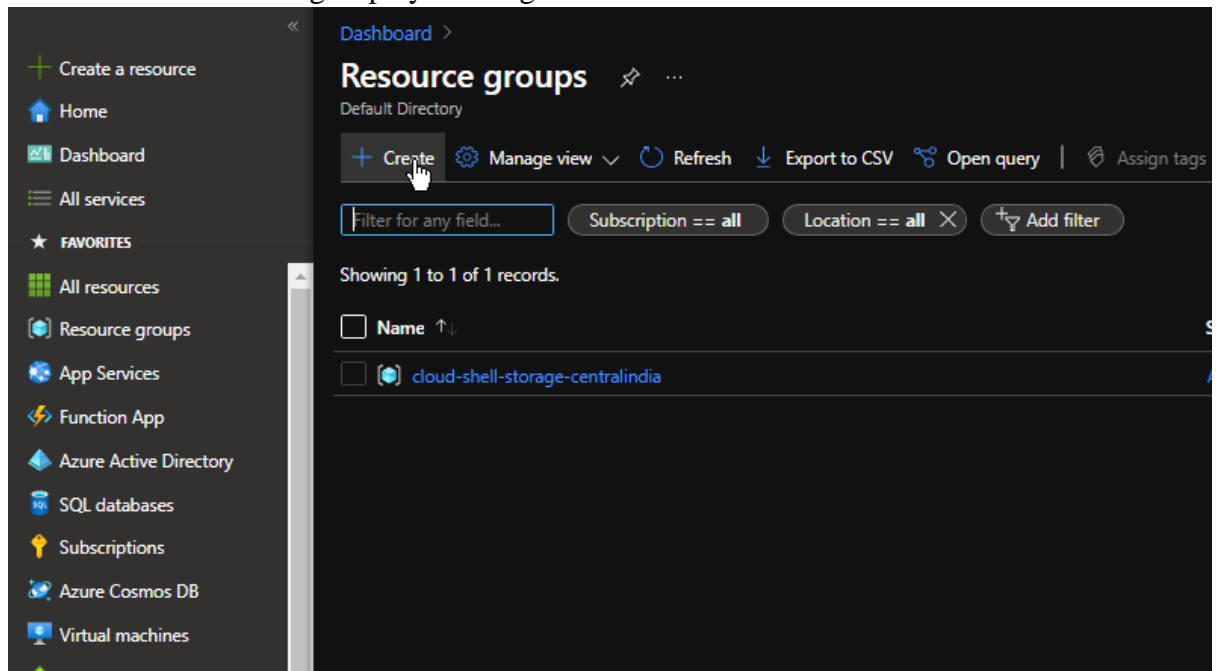
Instructions:

1. Login to your Azure Account and then Click on **Resource Groups**: -

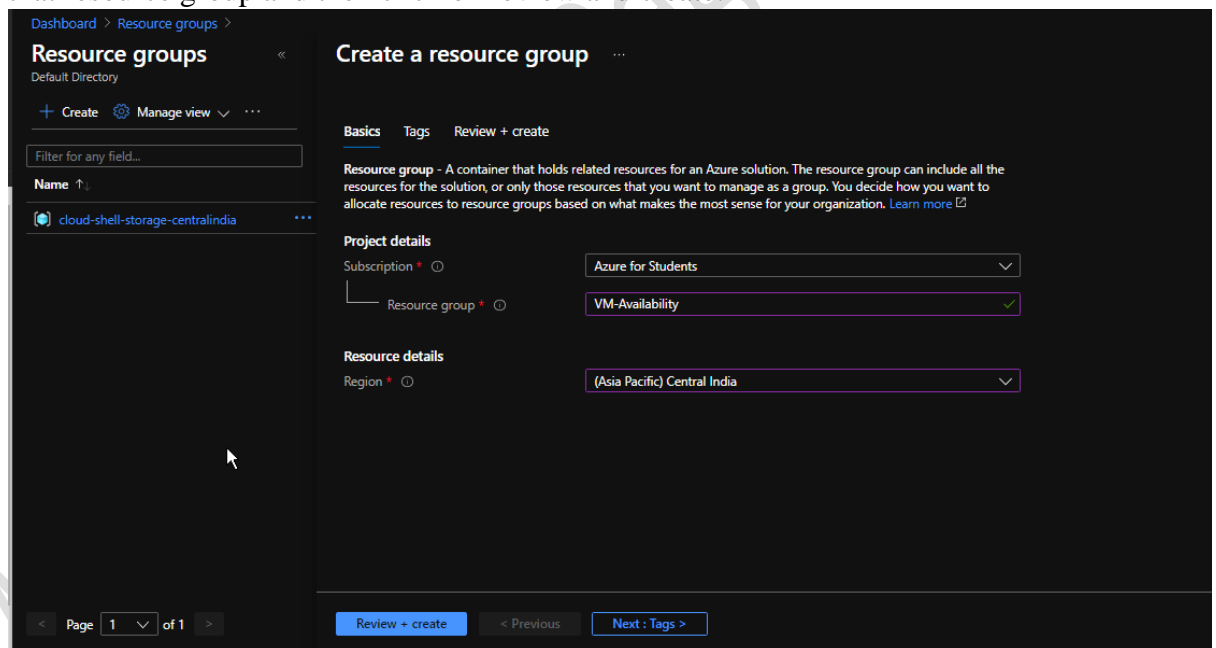


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2. Create a new Resource group by clicking on create: -

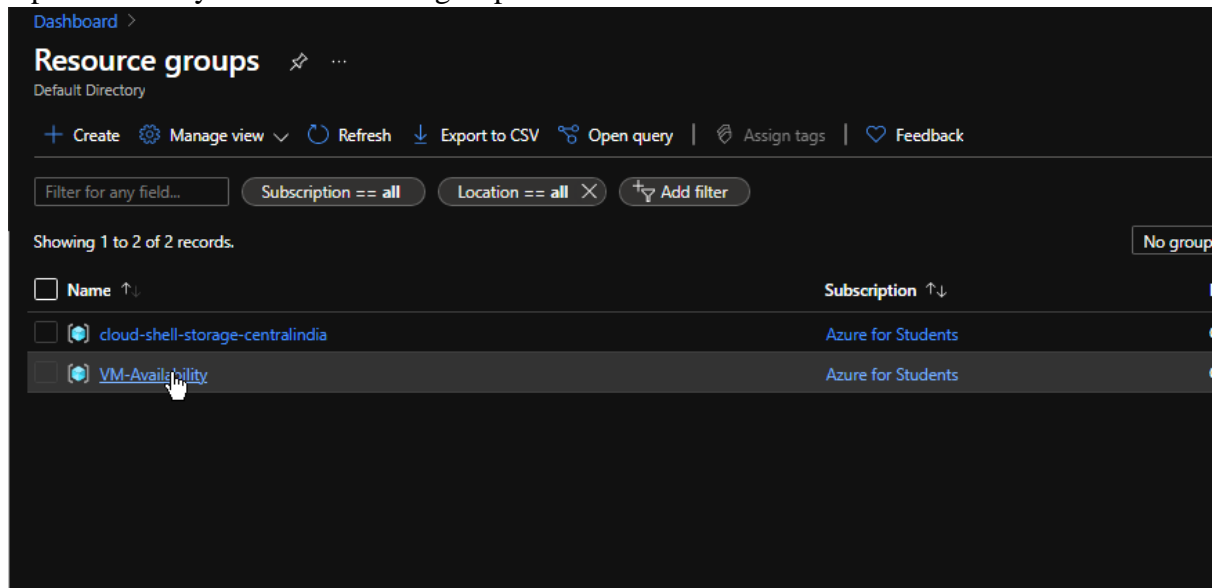


3. Give your resource group a name and then select a region where you want to create that resource group and then click on review and create: -

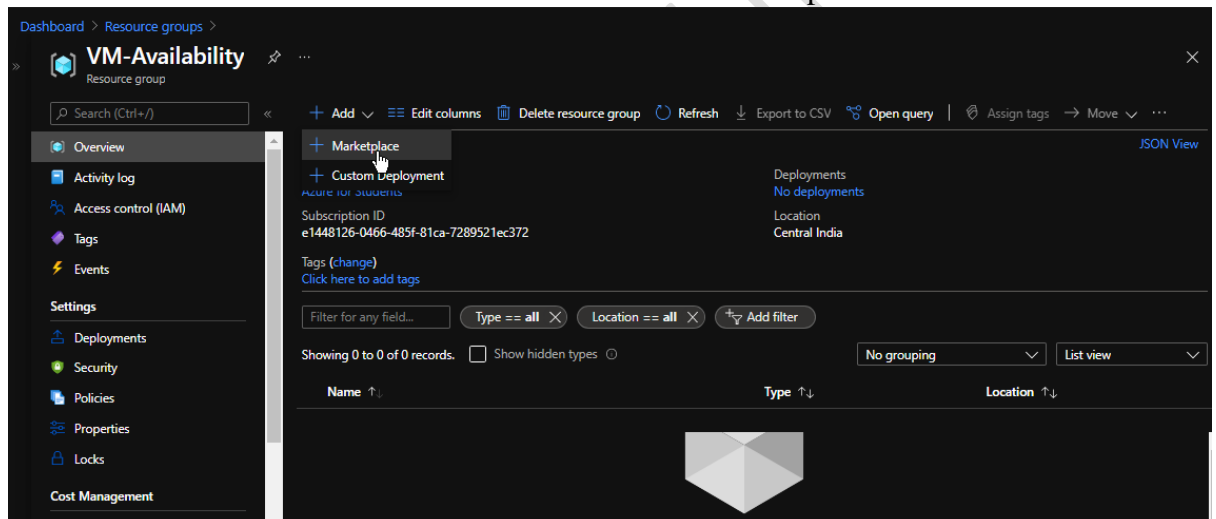


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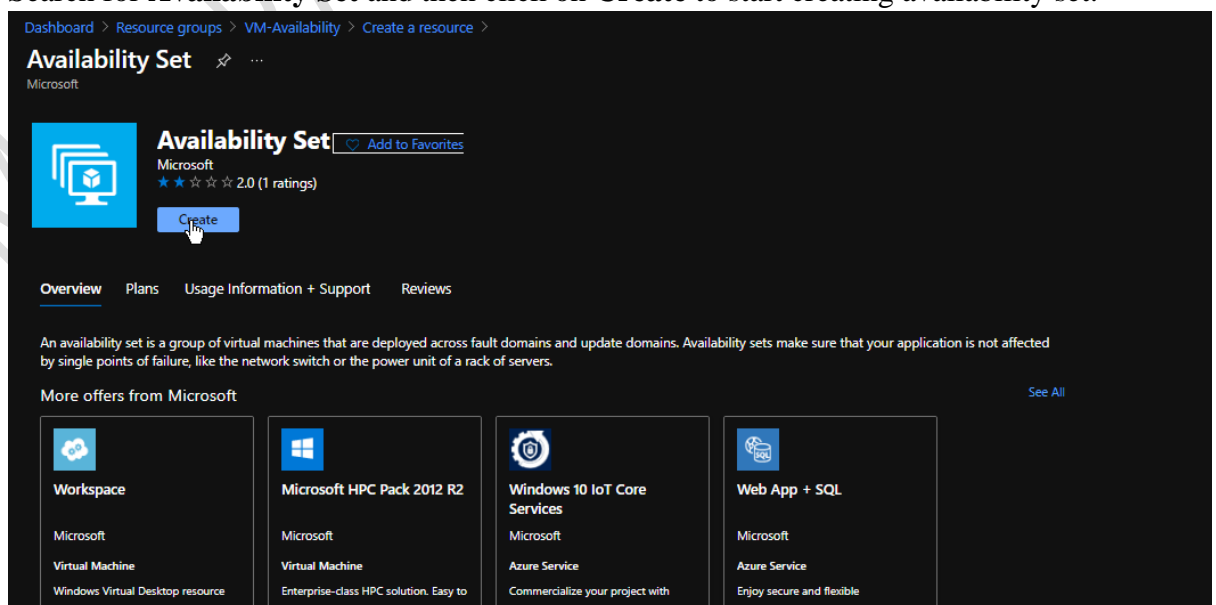
4. Open the newly created resource group: -



5. Click on **Add** to create new resource and then click on Marketplace: -



6. Search for **Availability Set** and then click on **Create** to start creating availability set:-



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7. Give your Availability Set a name and then select a region where you want to create it and then click on Next: -

Dashboard > Resource groups > VM-Availability > Create a resource > Availability Set >

Create availability set

overall solution stays operational. Availability Sets are essential for building reliable cloud solutions.
[Learn more about availability sets.](#)

Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Azure for Students
Resource group * ⓘ VM-Availability
[Create new](#)

Instance details

Name * ⓘ MyAvailSet ✓

Region * ⓘ (Asia Pacific) Central India

Fault domains ⓘ 2

Update domains ⓘ 5

Use managed disks ⓘ No (Classic) Yes (Aligned)

[Review + create](#) [< Previous](#) [Next : Advanced >](#)

8. On this page we can able to do **Proximity placement group** but here we are not going to do that so just click on **Review and create** and then click create:-

Proximity placement group: Proximity placement groups allow you to group Azure resources physically closer together in the same region.

Dashboard > Resource groups > VM-Availability > Create a resource > Availability Set >

Create availability set

Basics **Advanced** Tags Review + create

Proximity placement group
Proximity placement groups allow you to group Azure resources physically closer together in the same region.
[Learn more about proximity placement groups](#)

Proximity placement group ⓘ No proximity placement groups found

[Review + create](#) [< Previous](#) [Next : Tags >](#)

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Dashboard > Resource groups > VM-Availability > Create a resource > Availability Set >

Create availability set

✓ Validation passed

Basics Advanced Tags **Review + create**

Basics

Subscription	Azure for Students
Resource group	VM-Availability
Region	West US
Name	MyAvailSet
Fault domain count	2
Update domain count	5
Use managed disks	Yes (Aligned)

Advanced

Proximity placement group	None
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Tags

(none)

Create < Previous Next > Download a template for automation

9. Now you can see that we have created our availability set

Dashboard > Microsoft.AvailabilitySet-20210608122016 | Overview

Deployment

Search (Ctrl+F) Delete Cancel Redeploy Refresh

Overview Inputs Outputs Template

✓ We'd love your feedback →

✓ Your deployment is complete

Deployment name: Microsoft.AvailabilitySet-20210608122016 Start time: 6/8/2021, 12:24:13 PM
Subscription: Azure for Students Correlation ID: 88a2168e-56ae-4d54-af4a-6404b97c28b7
Resource group: VM-Availability

Deployment details (Download)

Next steps

Go to resource

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Note: There is nothing inside the availability set, we will be adding VM in Next lab

Congratulations, we just created the Availability set and learned about how we can use Azure High Availability Solution in just few clicks 😊