TESTING AZURE VM TEST FAILOVER

- Go to Azure portal and login using tenant credentials

- Create a recovery service vault . In basics tab select the appropriate subscription, resource group and vault name . note that the location of the vault must be different from the replicating azure virtual machine

- In properties tab, enable immutability if you want to disable any changes in the vault's property

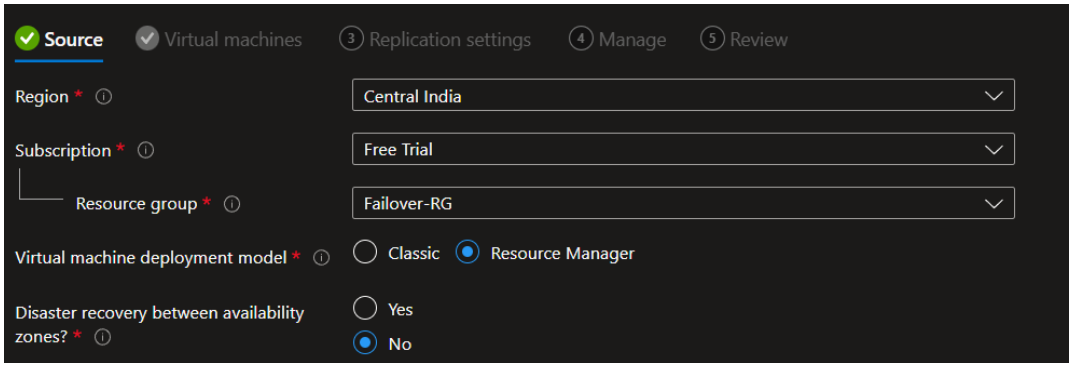
- In networking tab, allow access from all public network as we are just testing failover. This option can later be changed in the settings

- Select review and create .

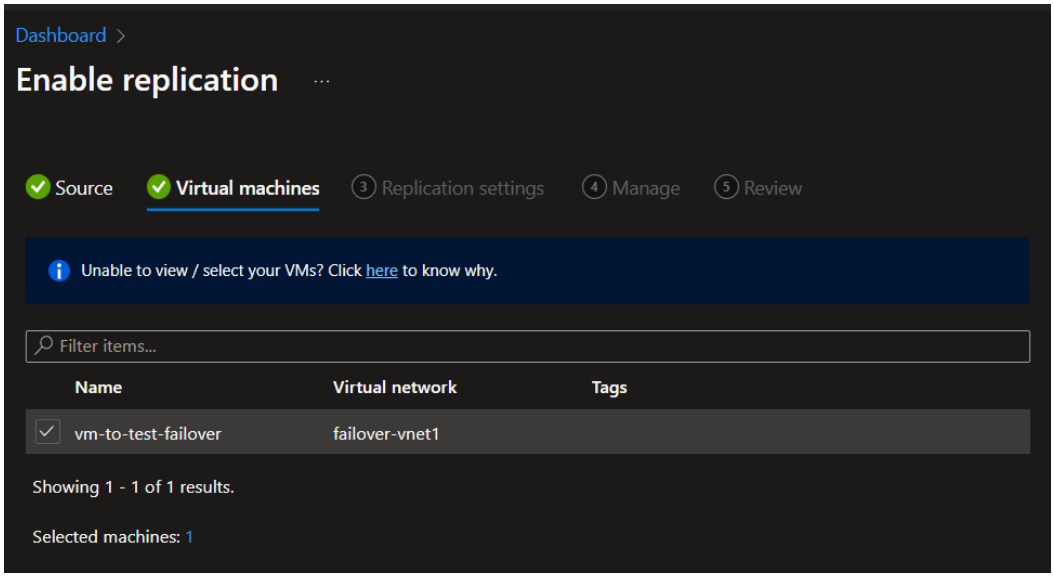
- After creation , go to the resource's dashboard and select replicated items

- Add a new replication for azure virtual machines

- In the basics tab , select the region where the recovery virtual machine is present and deploy it in required availability zone



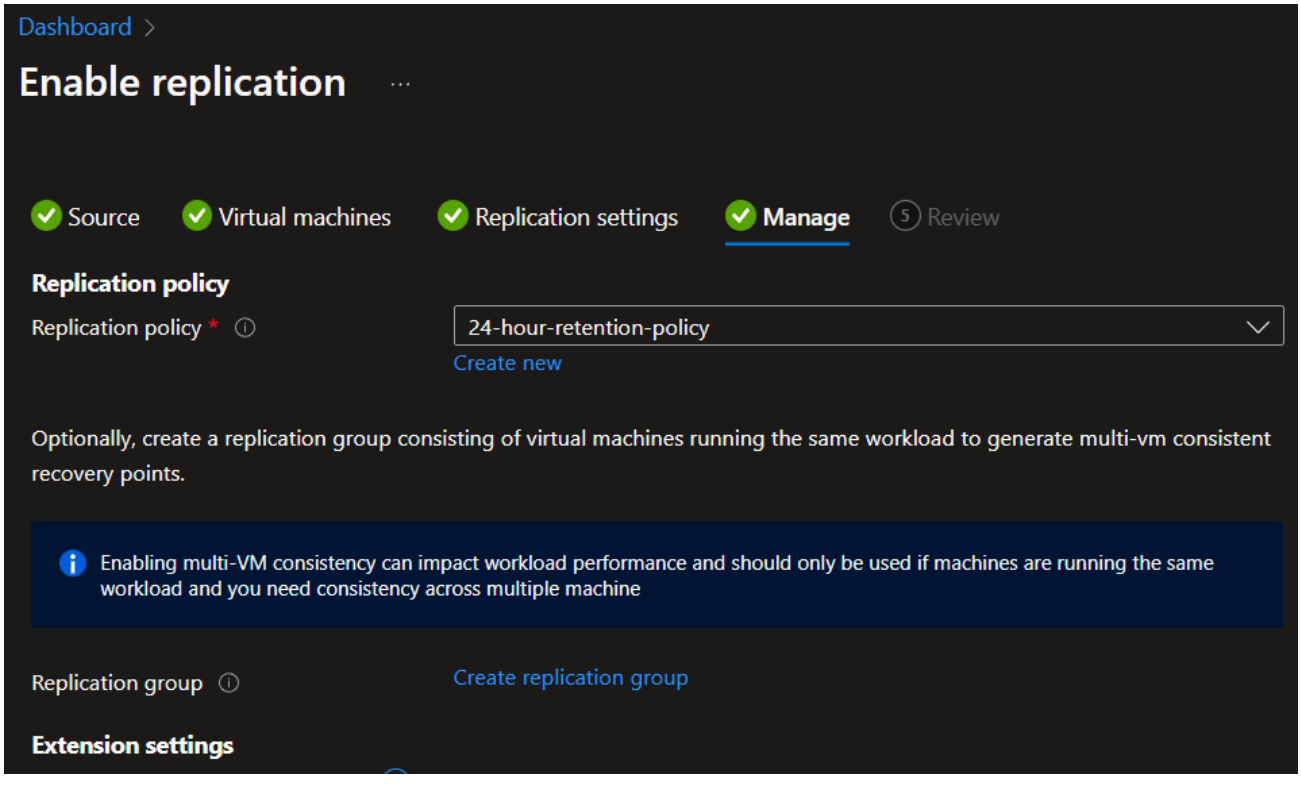
- Then, select the virtual machine present in that region to replicate

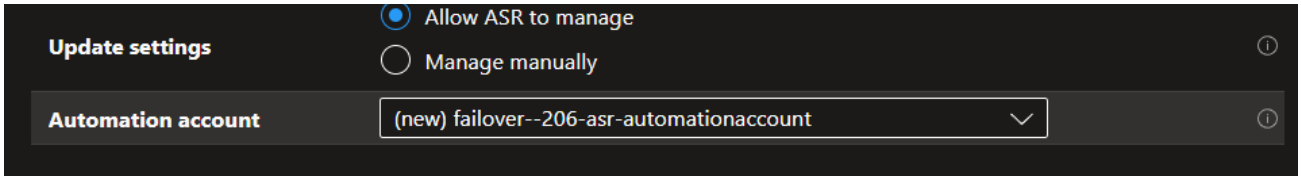


- In replication tab

- select the replication location, (south India) and create a new virtual network in that location

- In manage tab keep everting in default for now , any changes can be made later





- In review tab , enable replication

- After creation, on the overview page check if the VM is protected and healthy.

- Go to the replication , and select test failover . In test failover , choose a recovery point. The Azure VM in the target region is created using data from this recovery point

- **Latest processed**: Uses the latest recovery point processed by Site Recovery. The time stamp is shown. No time is spent processing data, so it provides a low recovery time objective (RTO).
- **Latest**: Processes all the data sent to Site Recovery, to create a recovery point for each VM before failing over to it. Provides the lowest recovery point objective (RPO), because all data is replicated to Site Recovery when the failover is triggered.
- **Latest app-consistent**: This option fails over VMs to the latest app-consistent recovery point. The time stamp is shown.
- **Custom**: Fail over to particular recovery point. Custom is only available when you fail over a single VM, and don't use a recovery plan.

- In Azure virtual network, select the target network in which to place Azure VMs created after failover. Select a non-production network if possible, and not the network that was created when you enabled replication.

- To start the failover, select **OK**.

- After the failover finishes, the Azure VM created in the target region appears in the Azure portal Virtual Machines. Make sure that the VM is running, sized appropriately, and connected to the network you selected

- In the Essentials page, select Cleanup test failover

- In Test failover cleanup > Notes, record and save any observations associated with the test failover.

- Select Testing is complete to delete VMs created during the test failover.