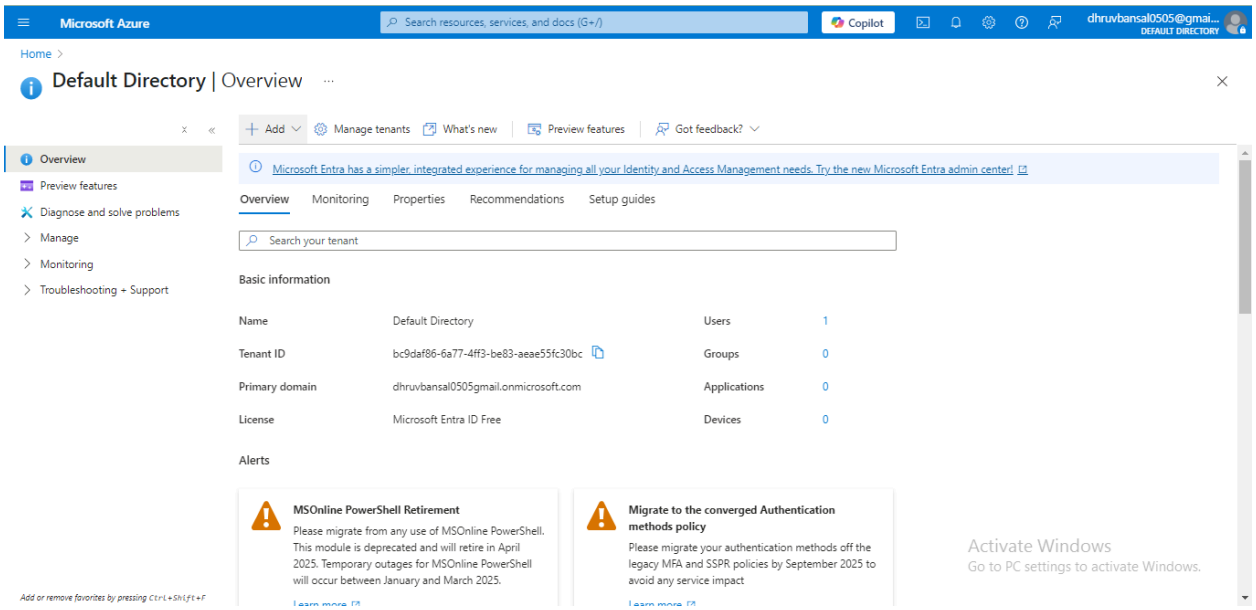
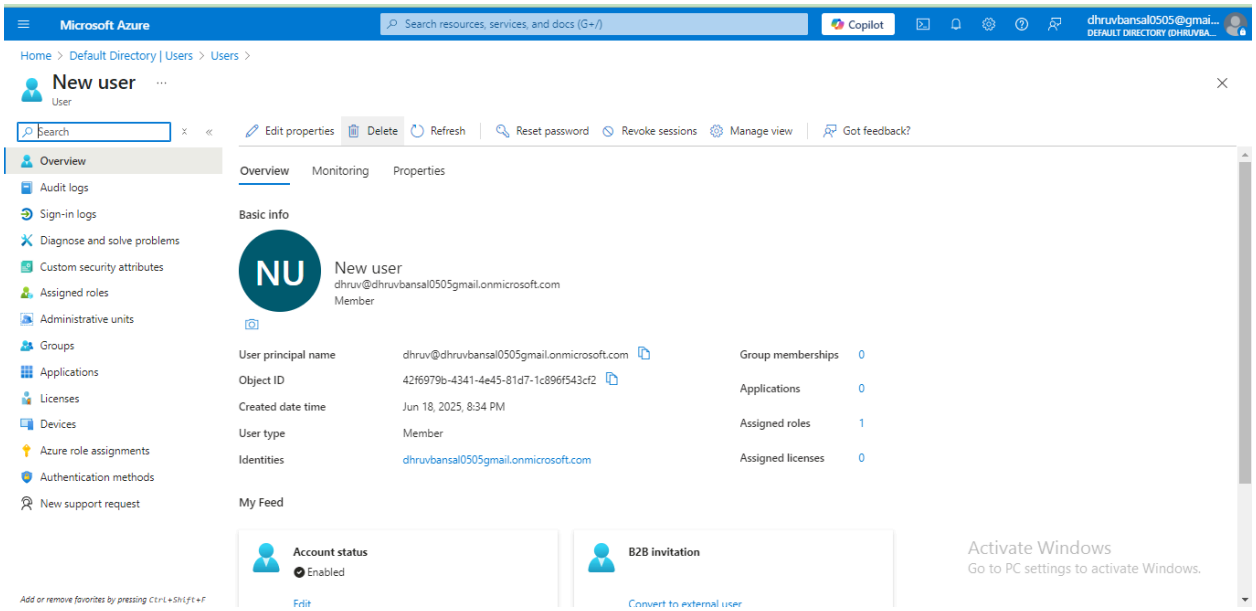
1. **Observe assigned Subscriptions Observe Azure Entra ID or create own Azure Entra ID in personal Azure account Create test users and groups Assign a RBAC role to user and test Create a custom role and assigned to users and test.**

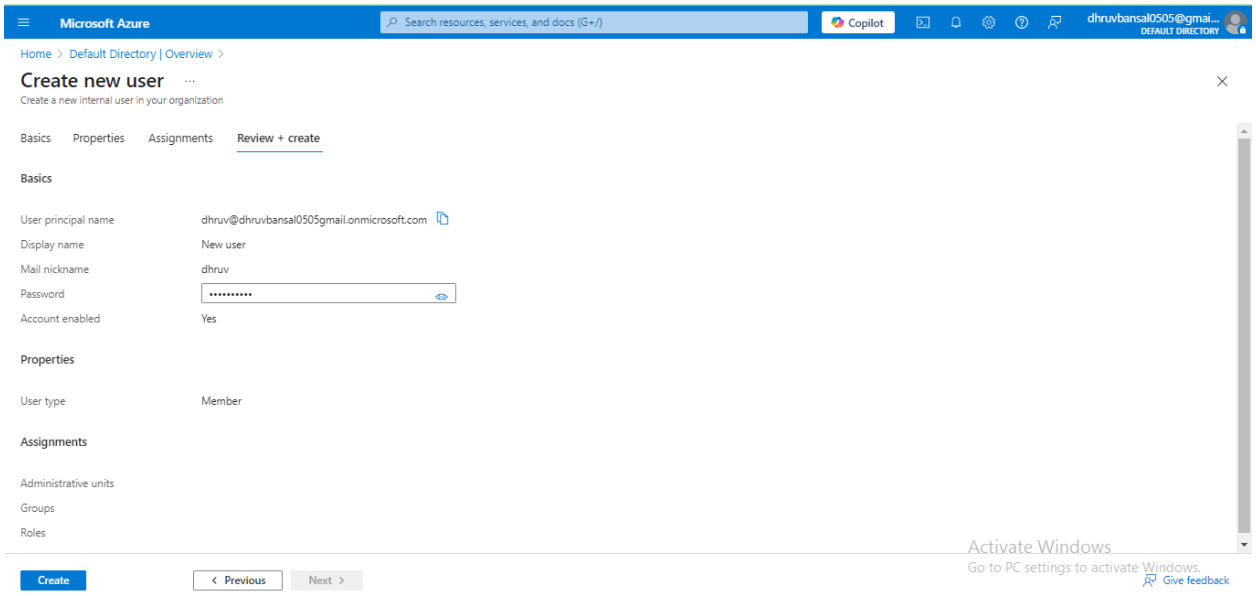
Answer: Azure Entra ID



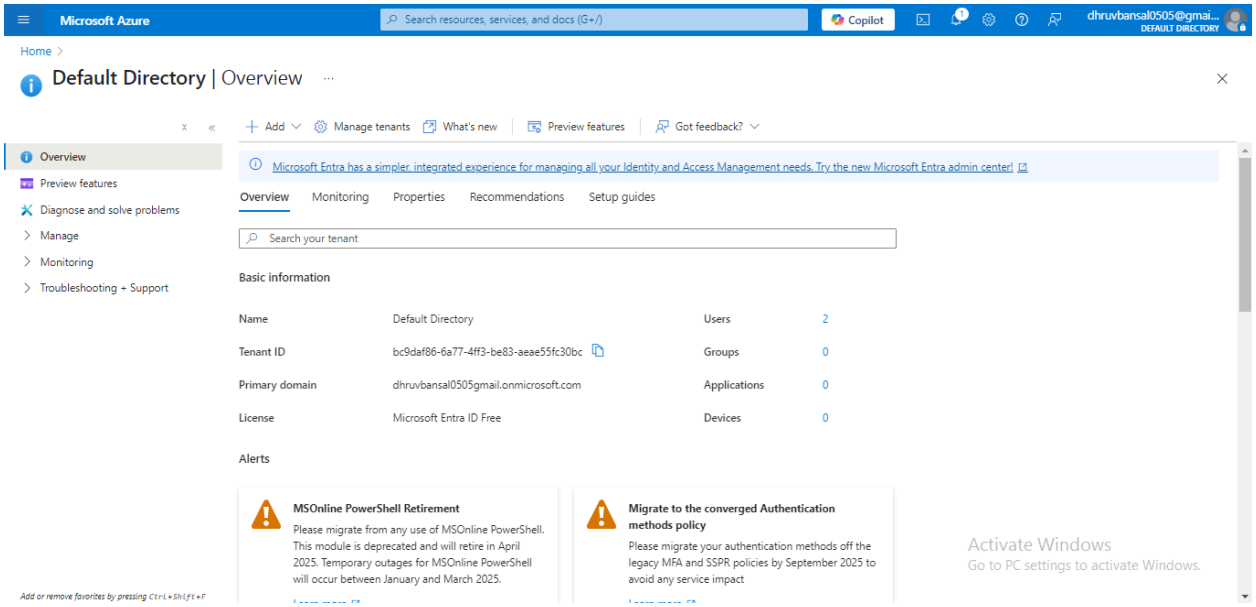
Create New Entra ID



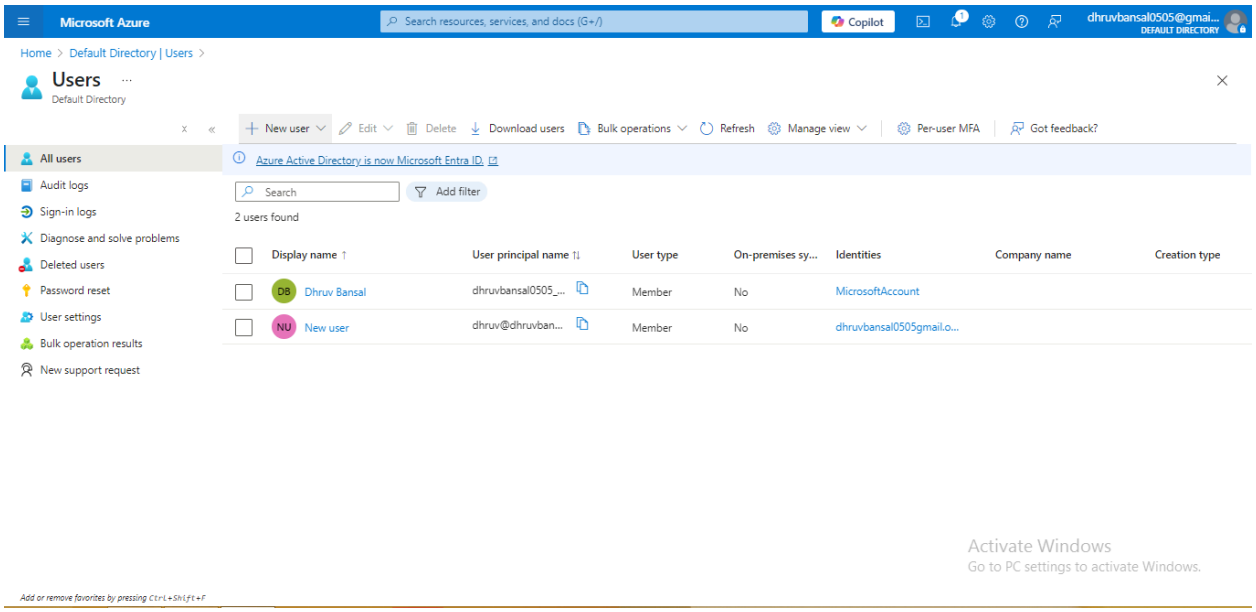
Creating New User:



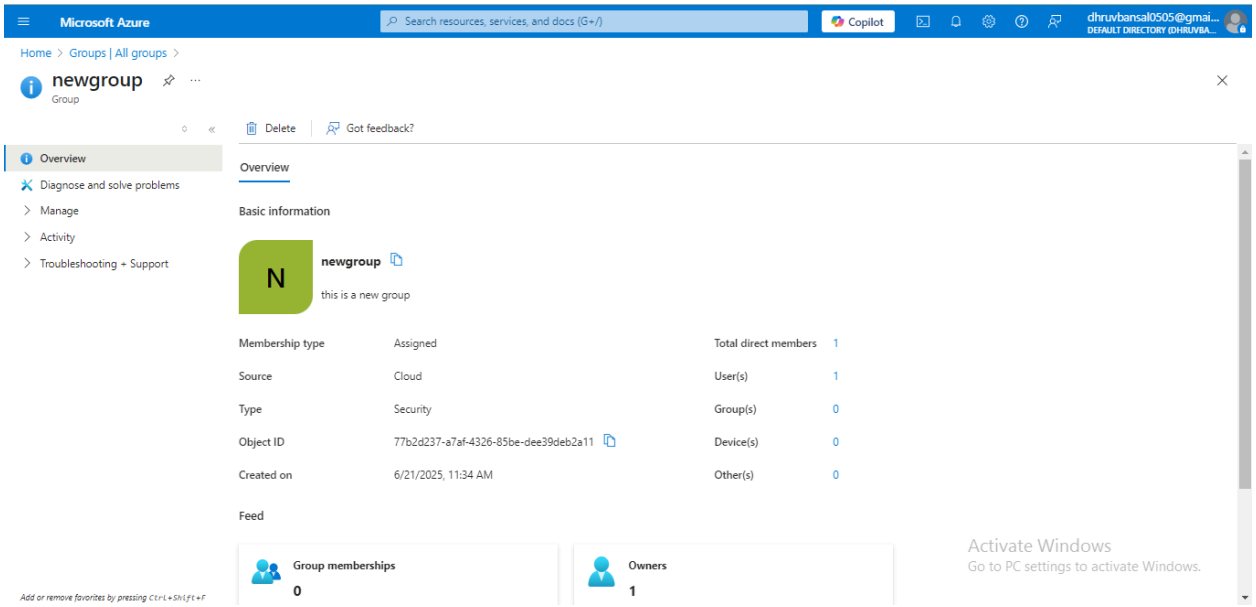
In Entra ID No. of Users Updated:



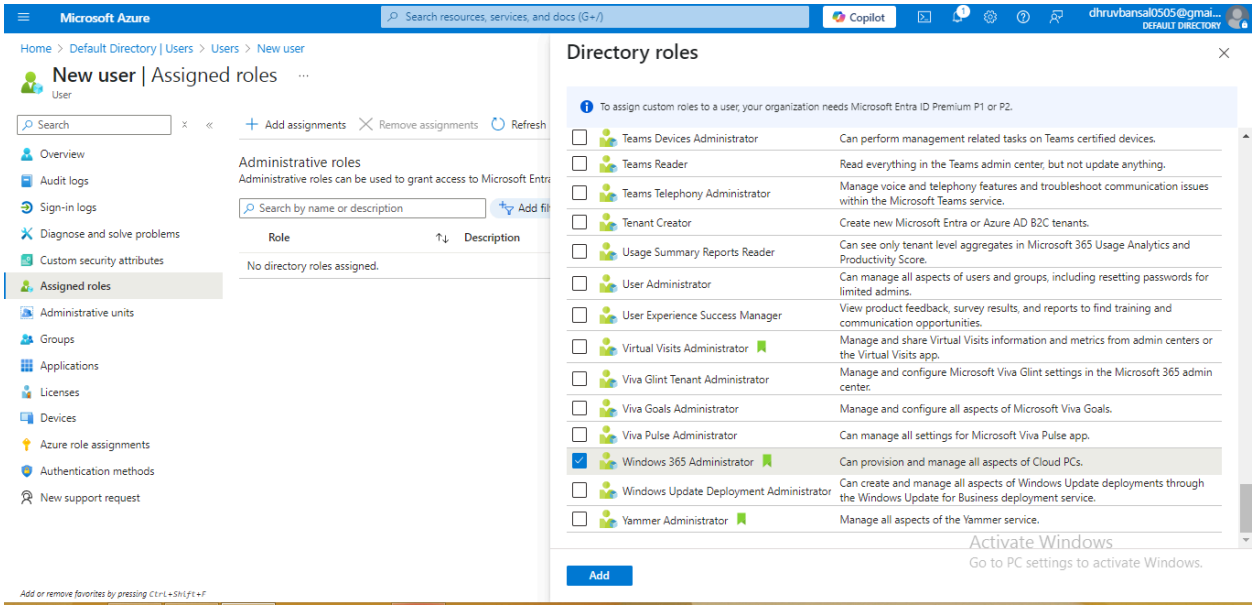
All Users Display:



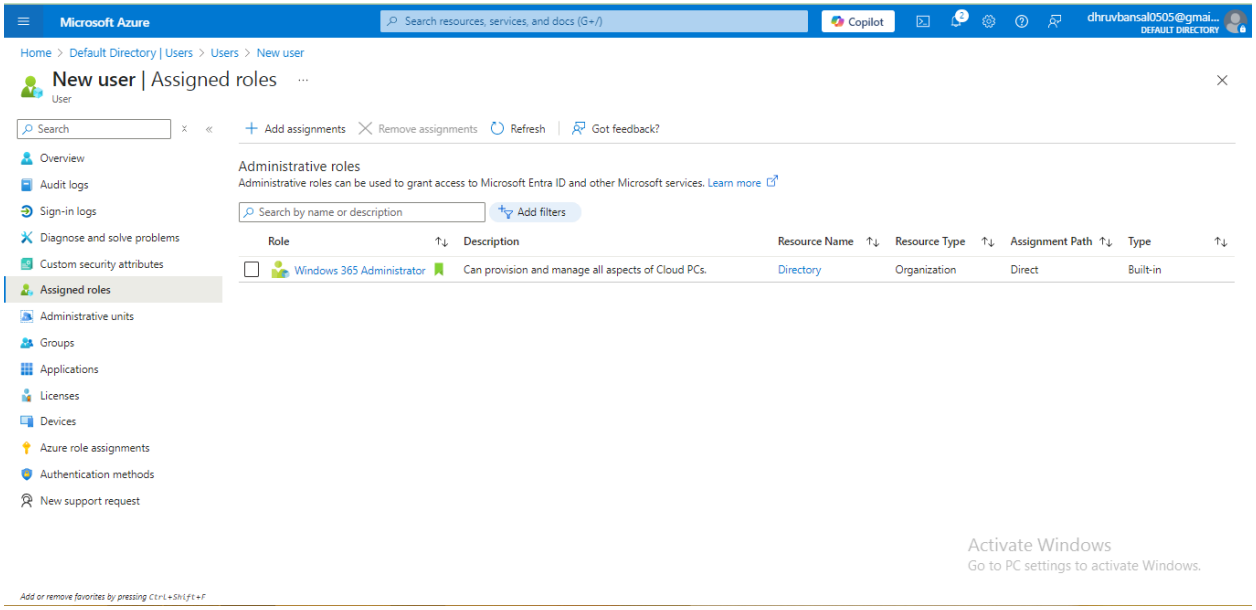
Create New Groups:



Assign User Role:

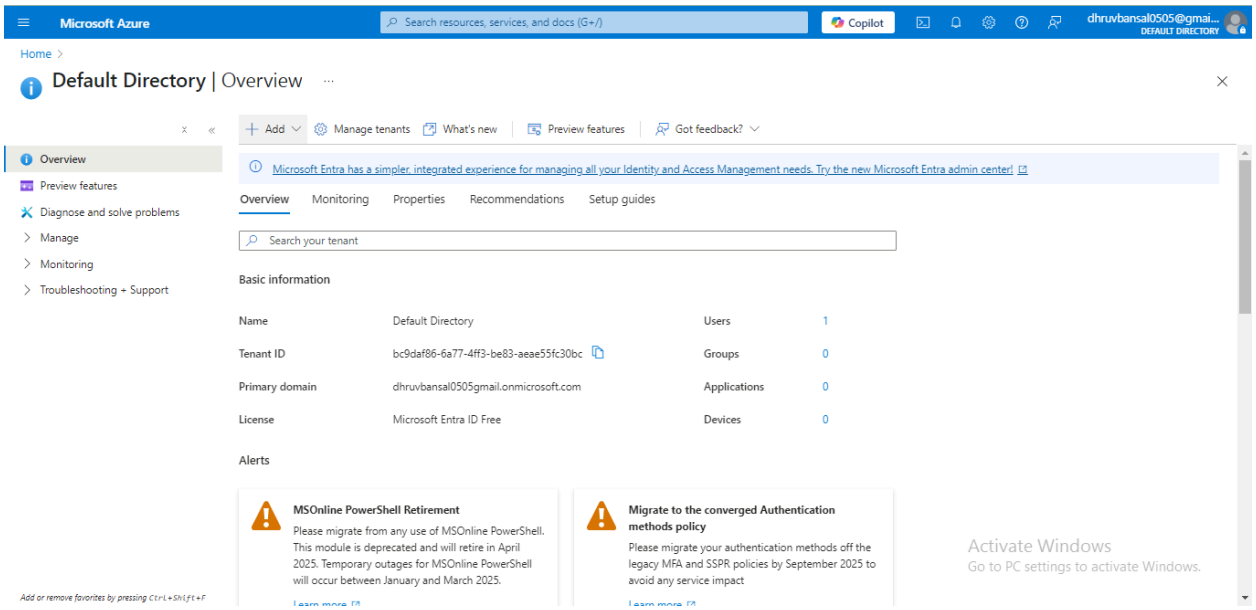


New Role for User:

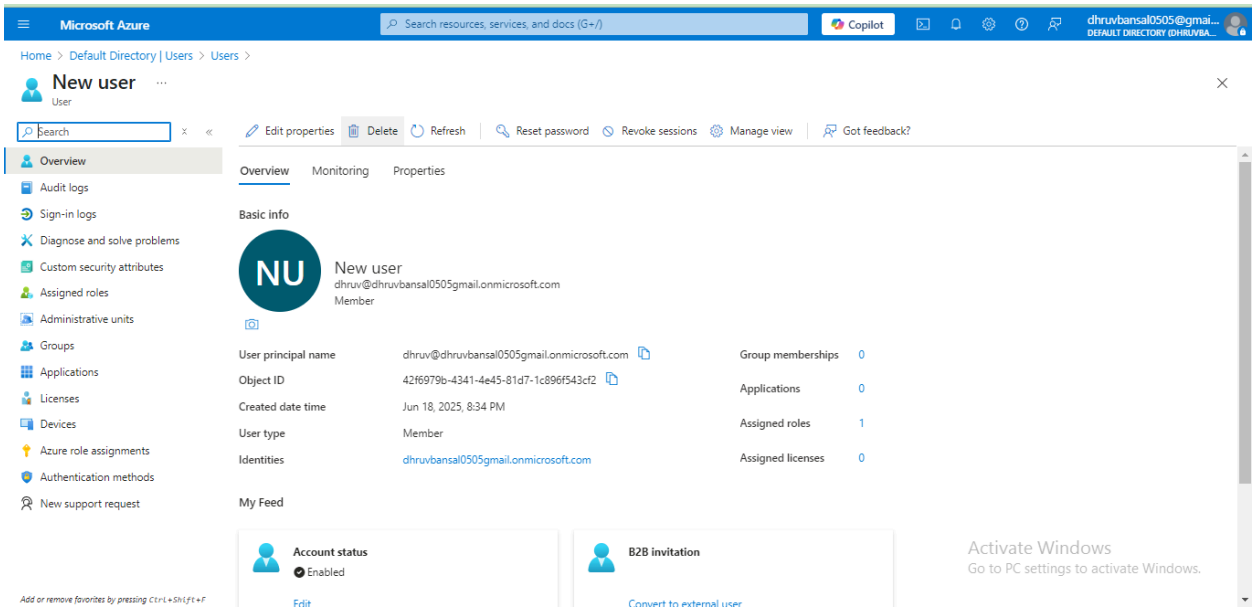


2. Observe assigned Subscriptions Observe Azure Entra ID or create own Azure Entra ID in personal Azure account Create test users and groups Assign a RBAC role to user and test Create a custom role and assigned to users and test.

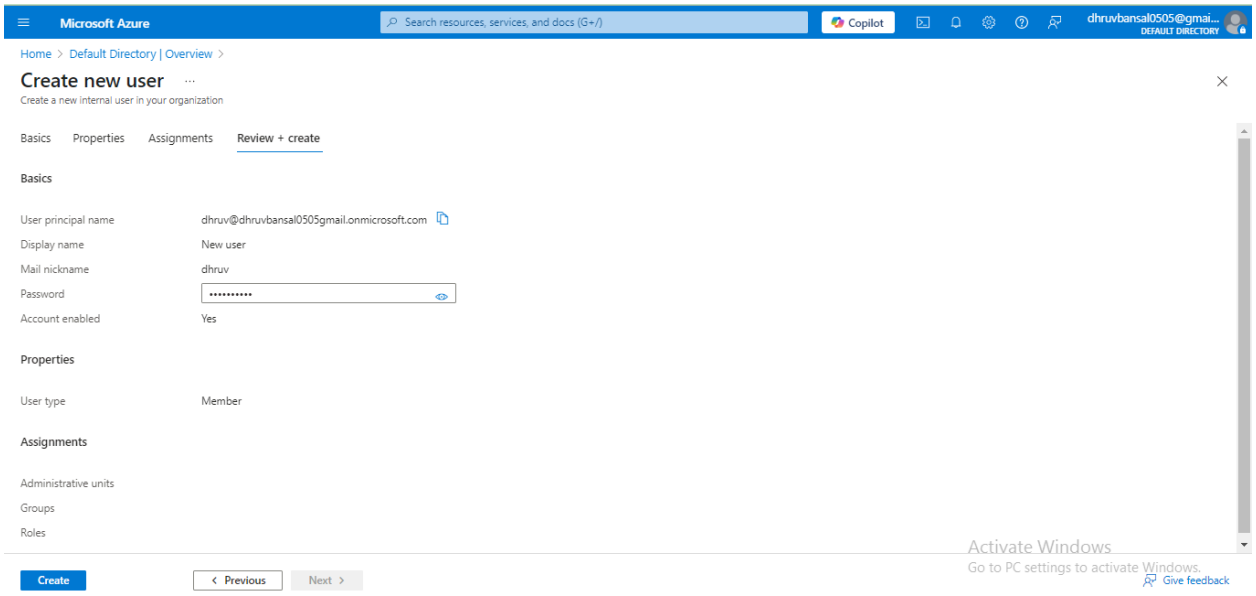
Answer: Azure Entra ID



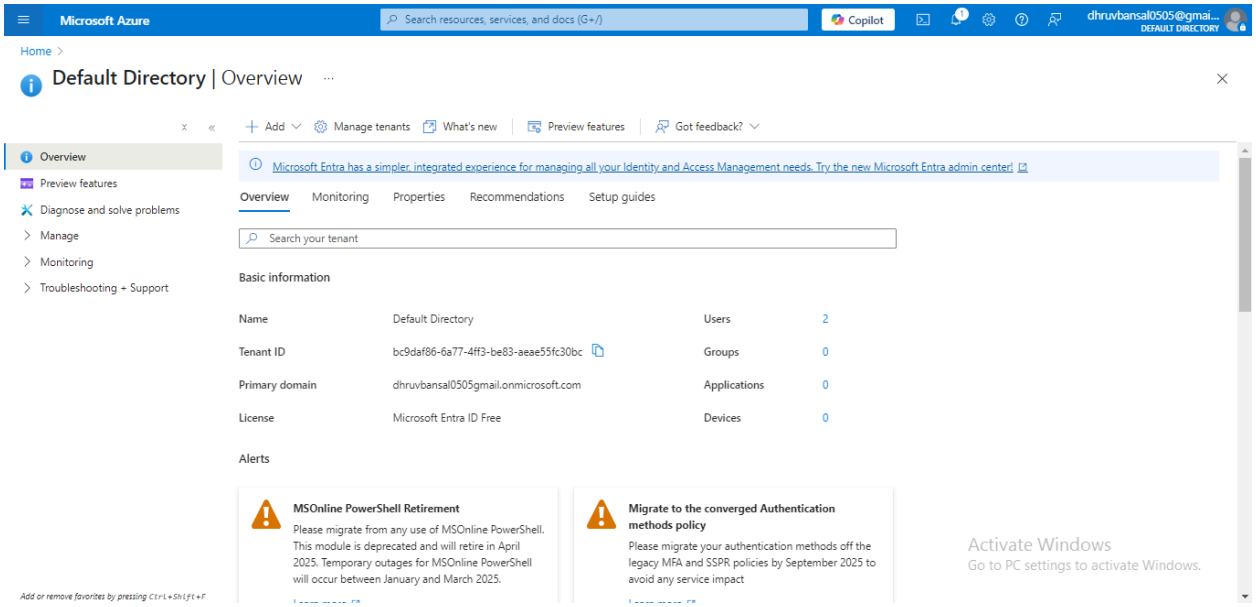
Create New Entra ID



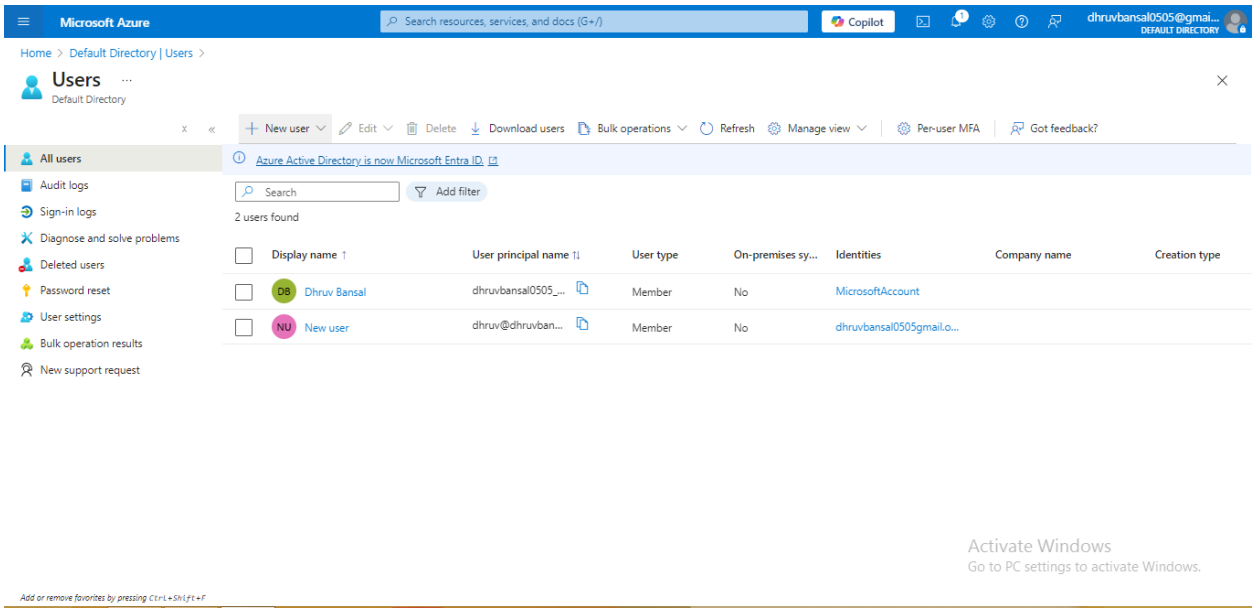
Creating New User:



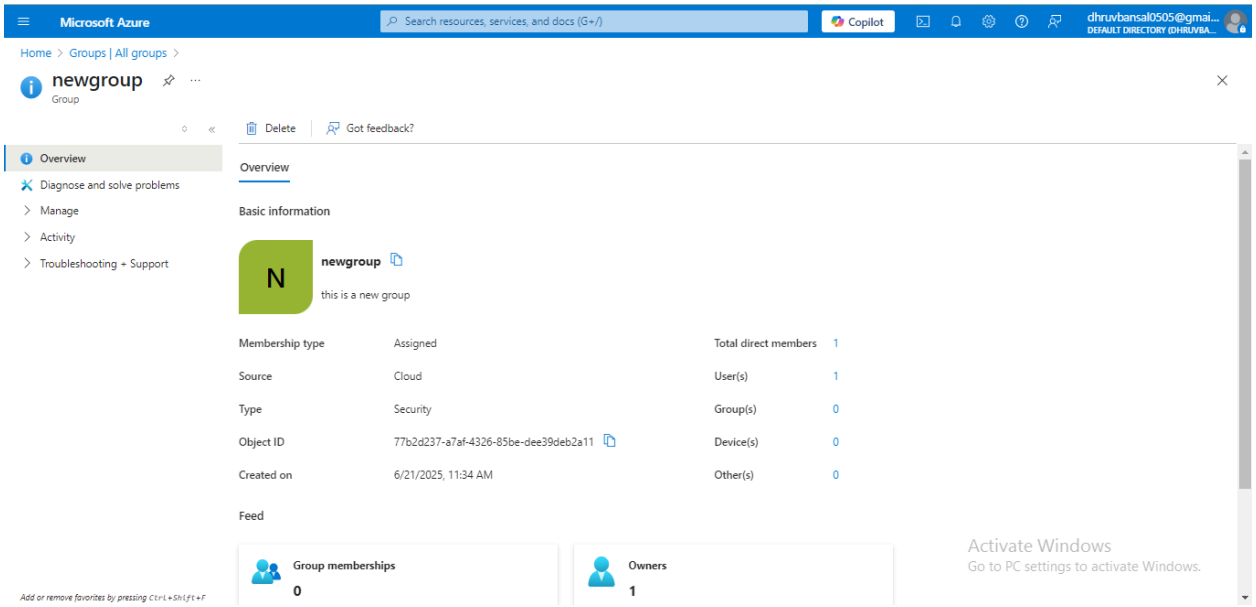
In Entra ID No. of Users Updated:



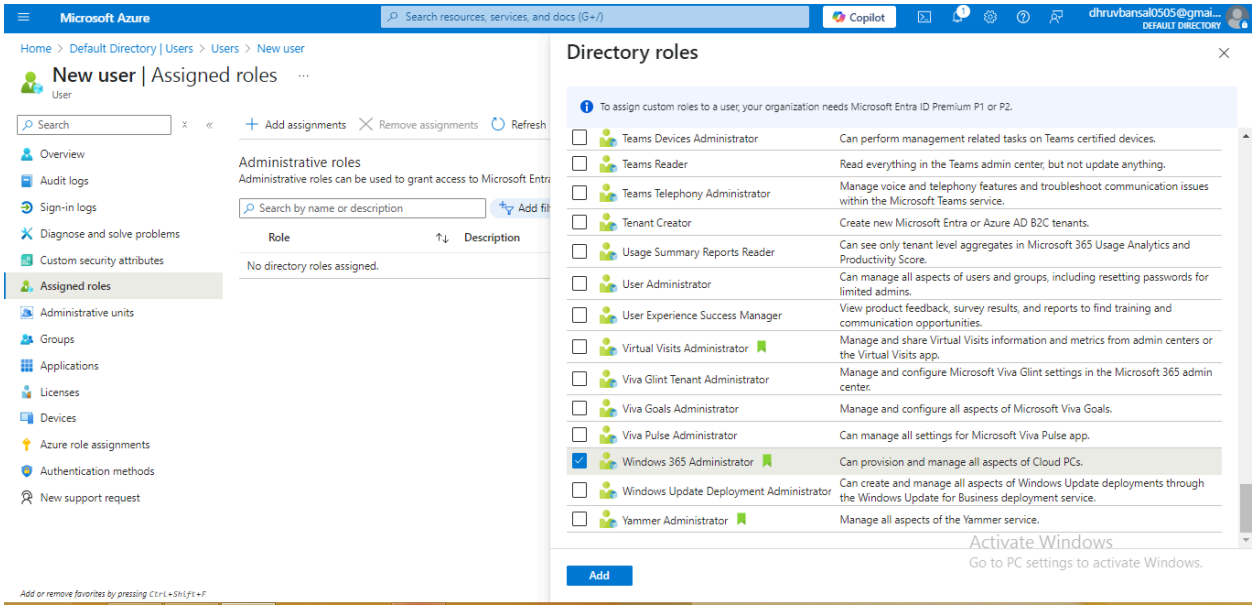
All Users Display:



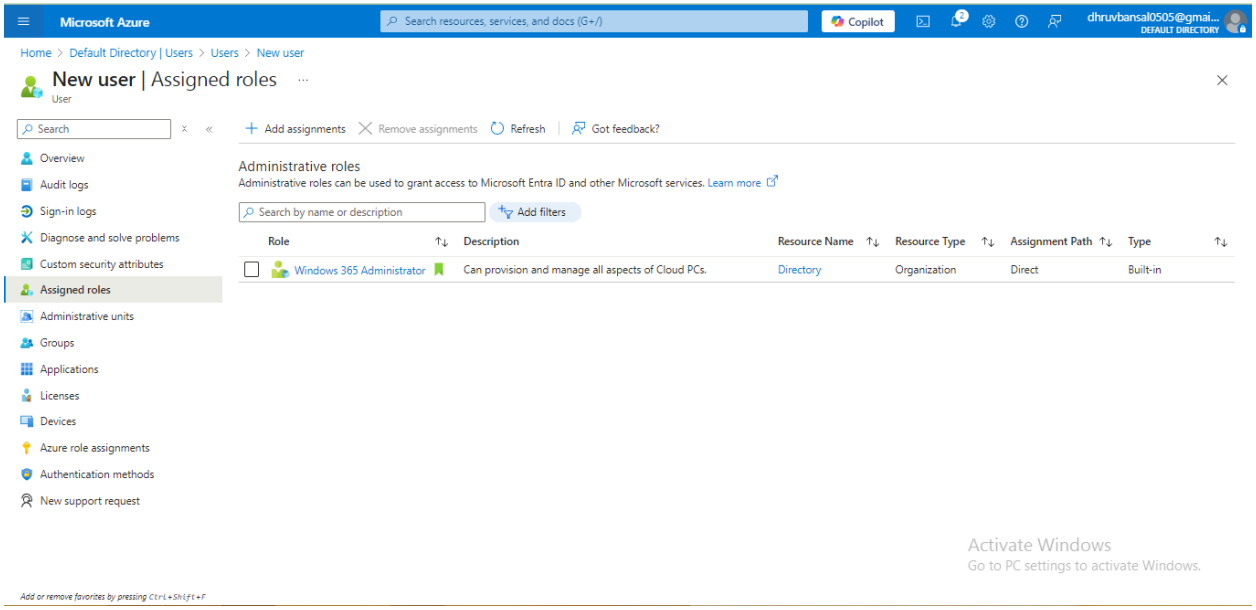
Create New Groups:



Assign User Role:



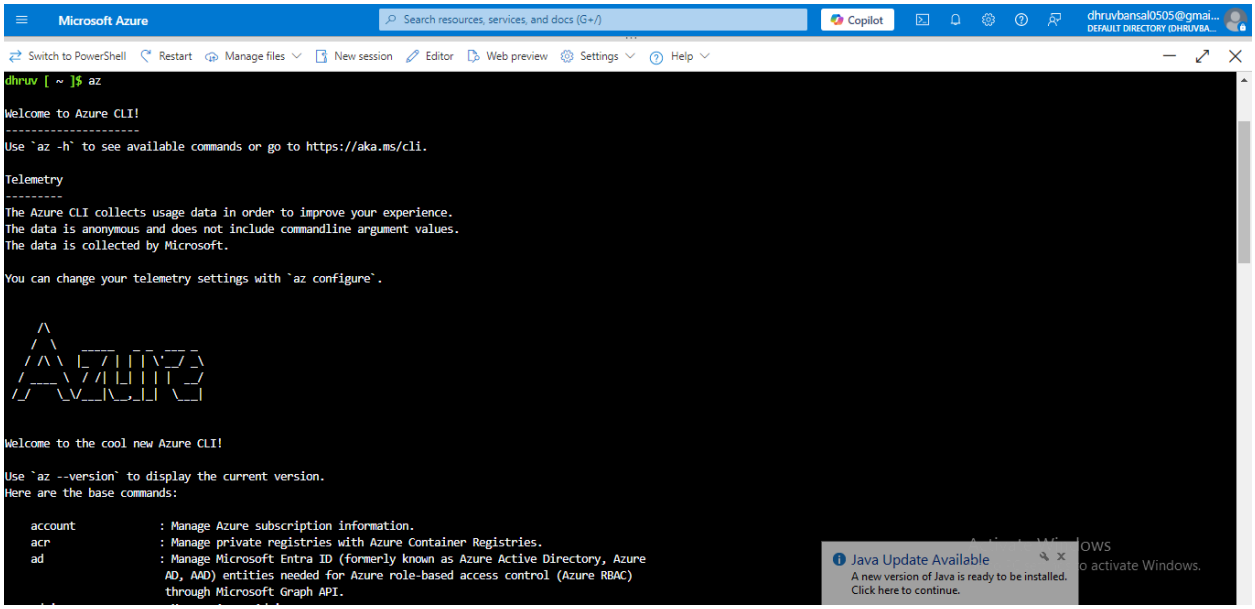
New Role for User:



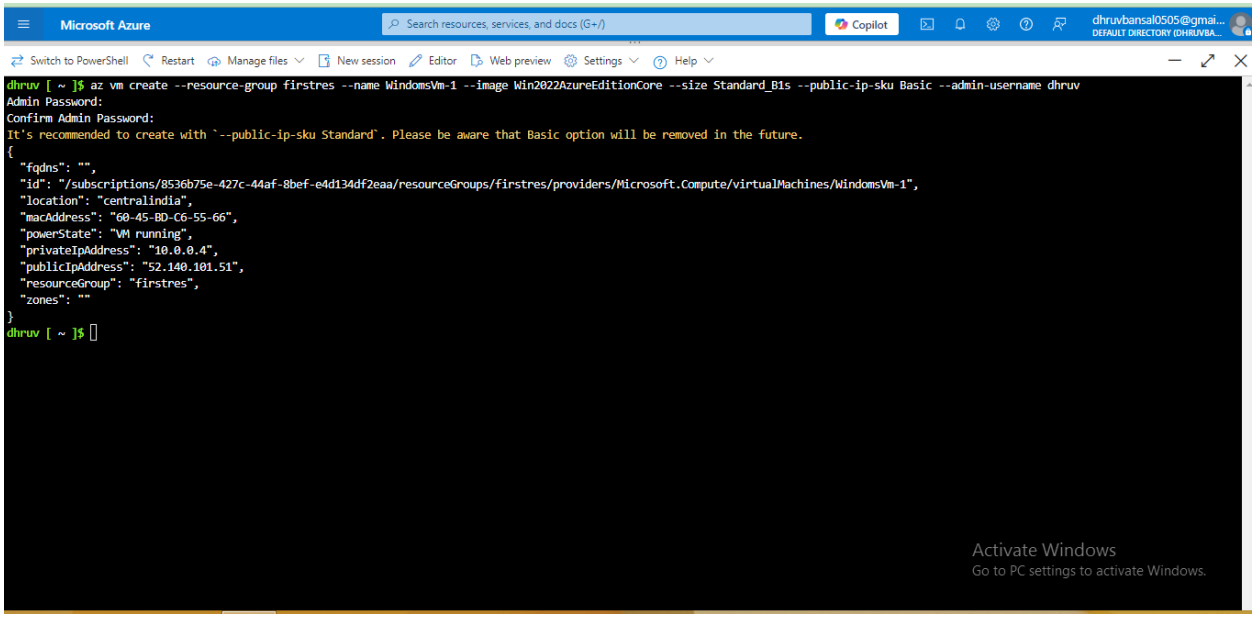
3. Create Virtual machine and Vnet from Azure CLI.

Answer: Virtual Machine using Azure CLI:

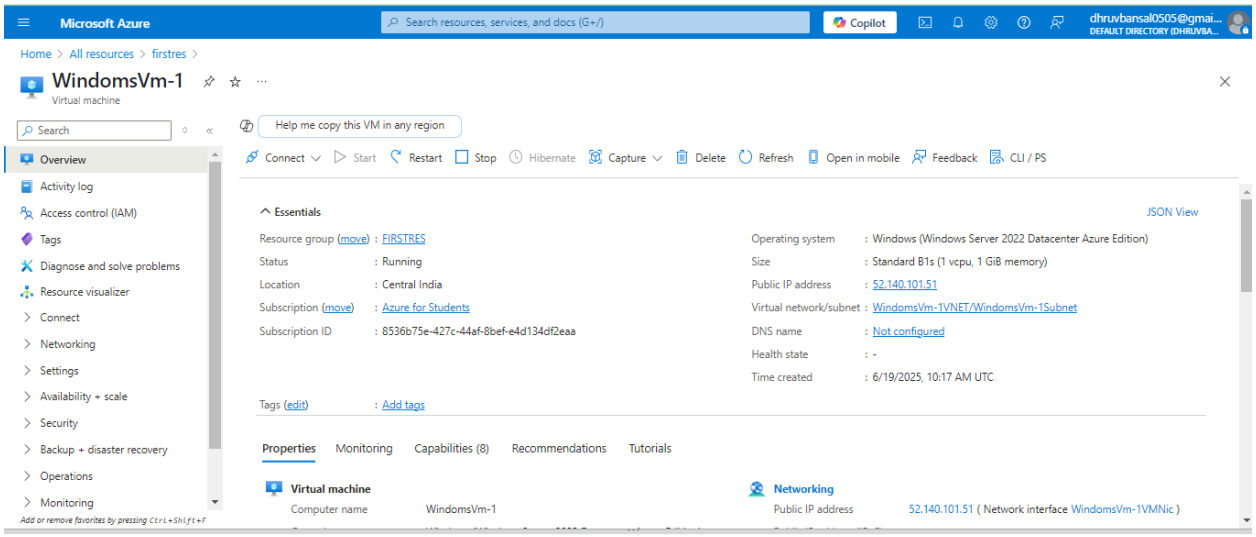
Azure CLI Opening:



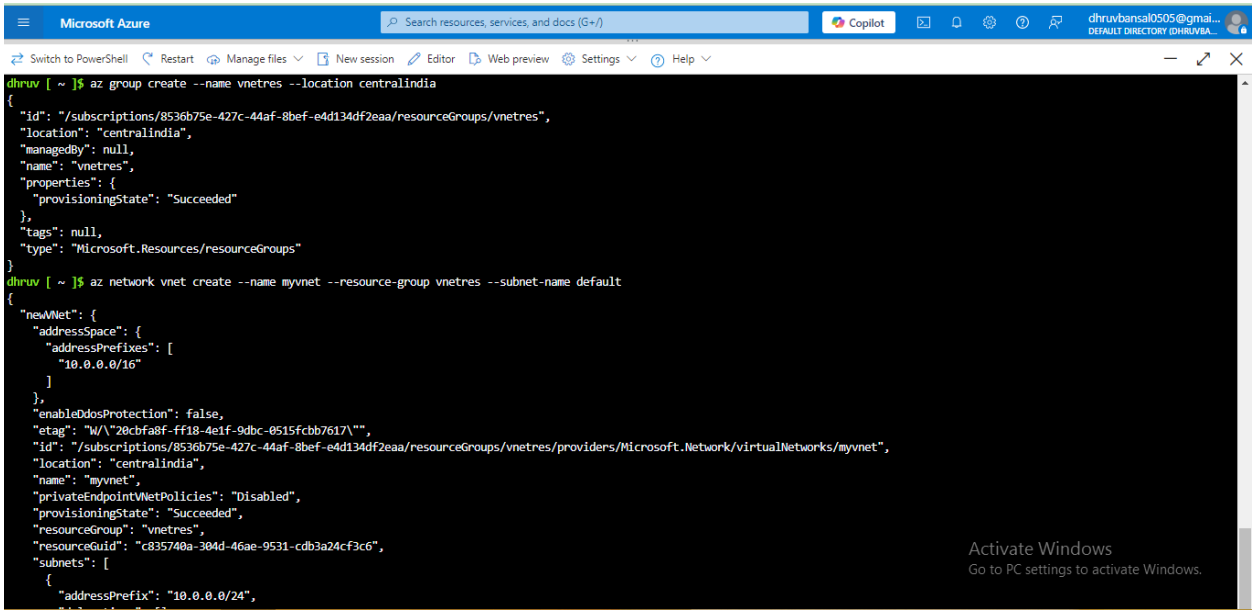
Virtual Machine Creation Steps:



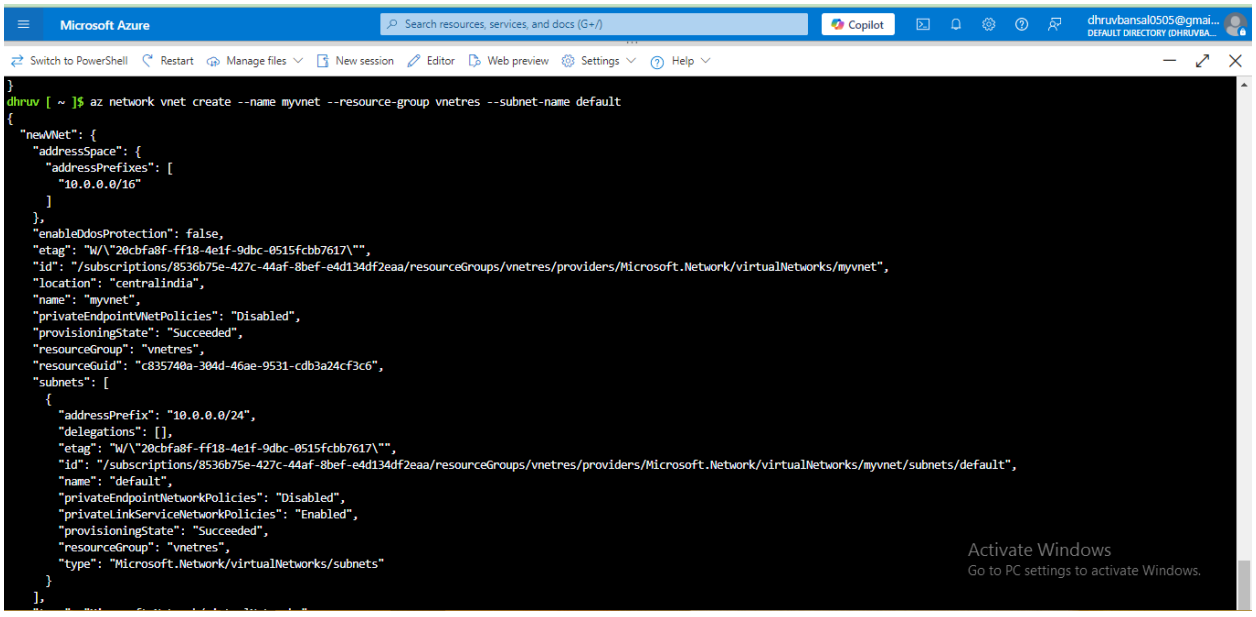
Azure Virtual Machine Created:



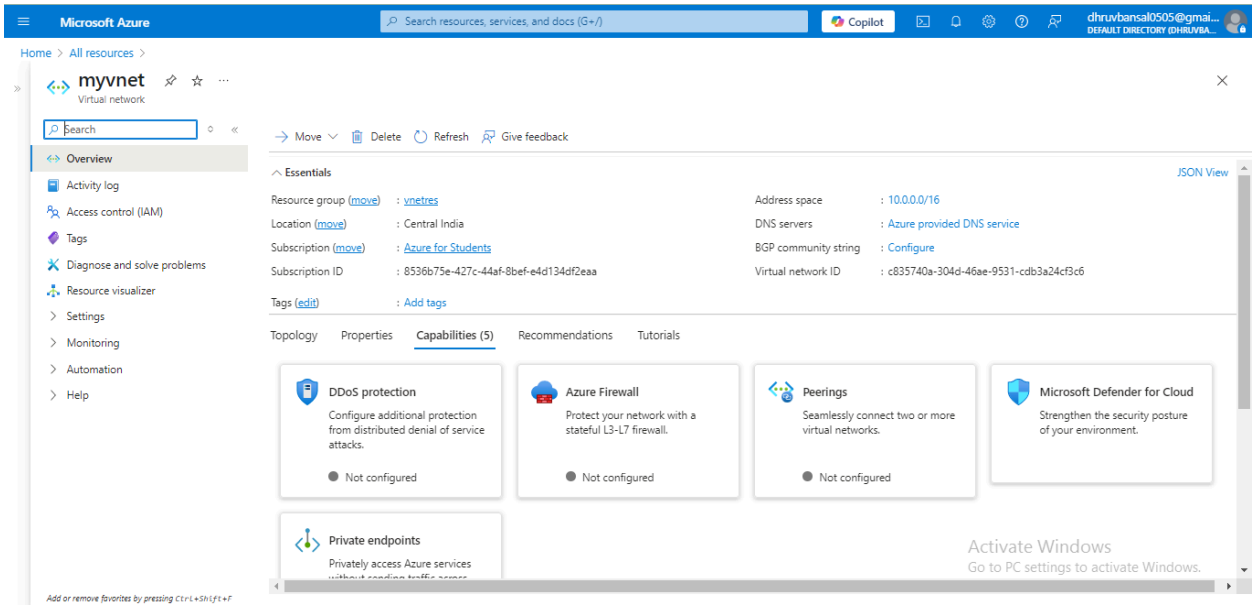
Virtual Network Using Azure CLI:



Virtual Network Creation Completed On Azrue CLI:

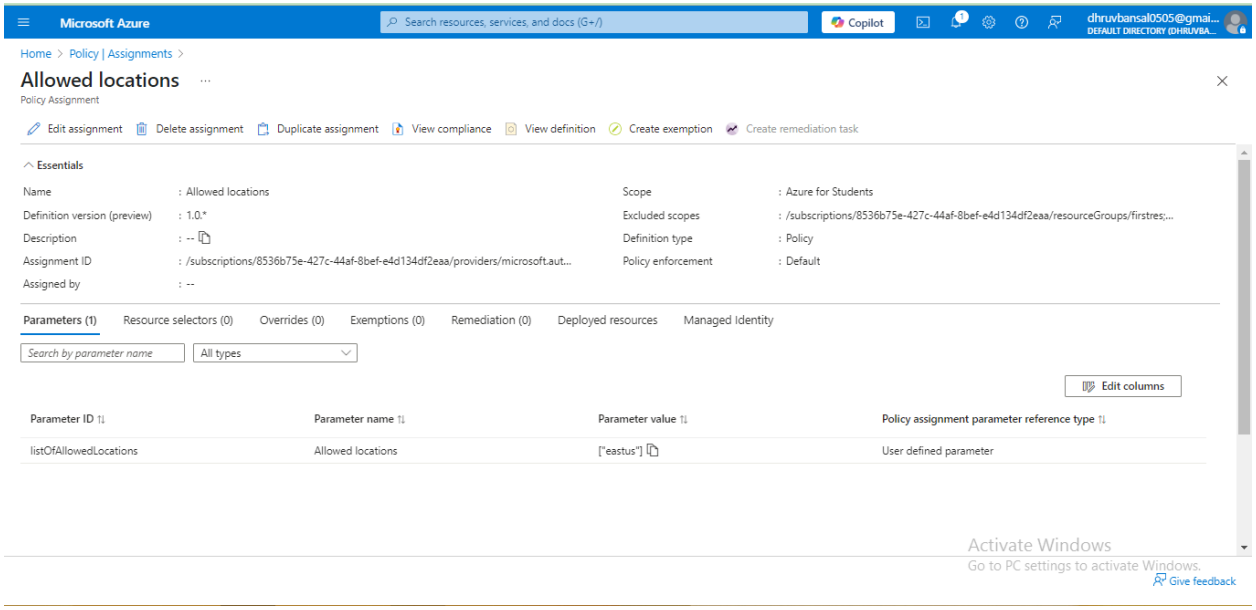


Virtual Network created on Azure Portal using Azure CLI:

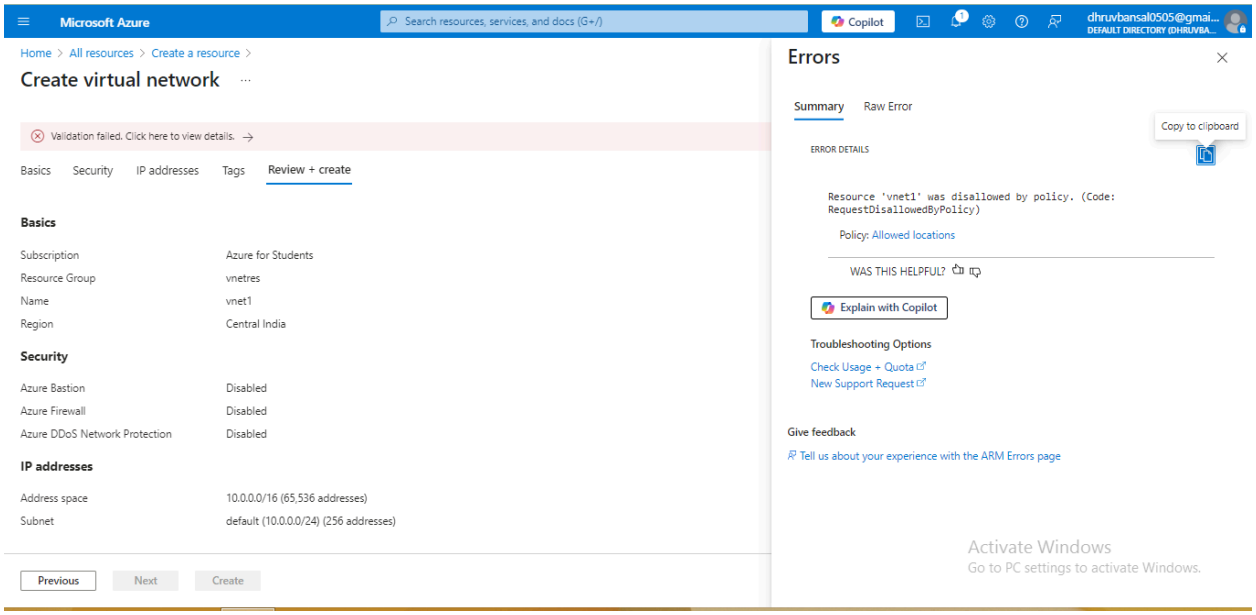


4. Create and assign a any policy at subscription level.

Answer: Creating and Assign an Azure Policy:



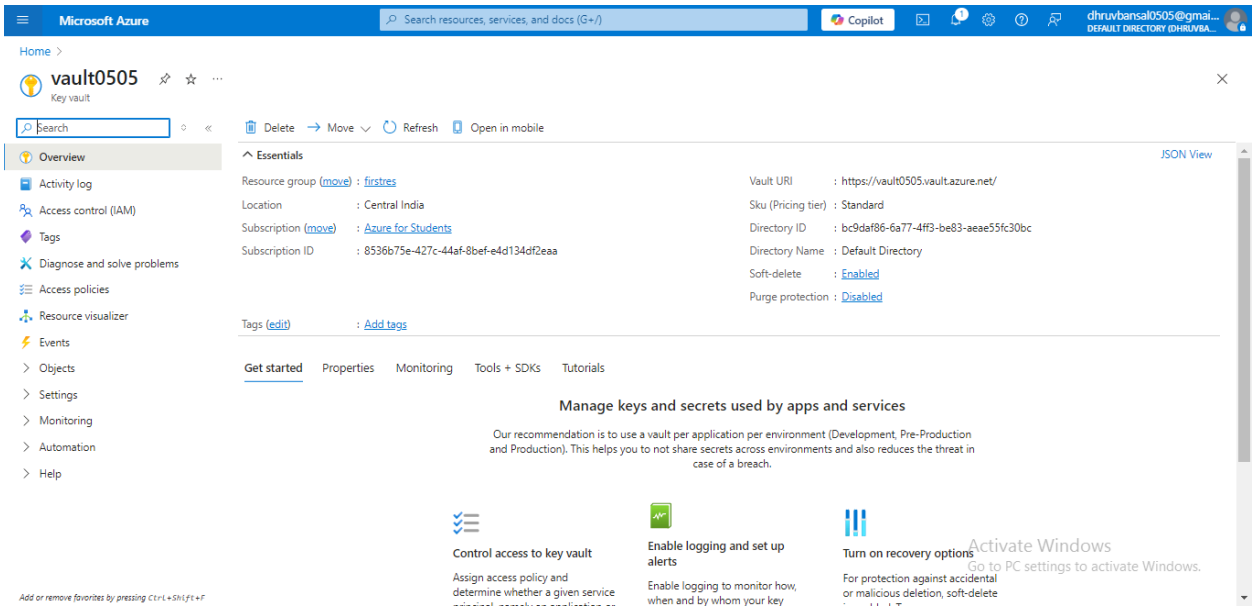
Testing The Azure Policy:



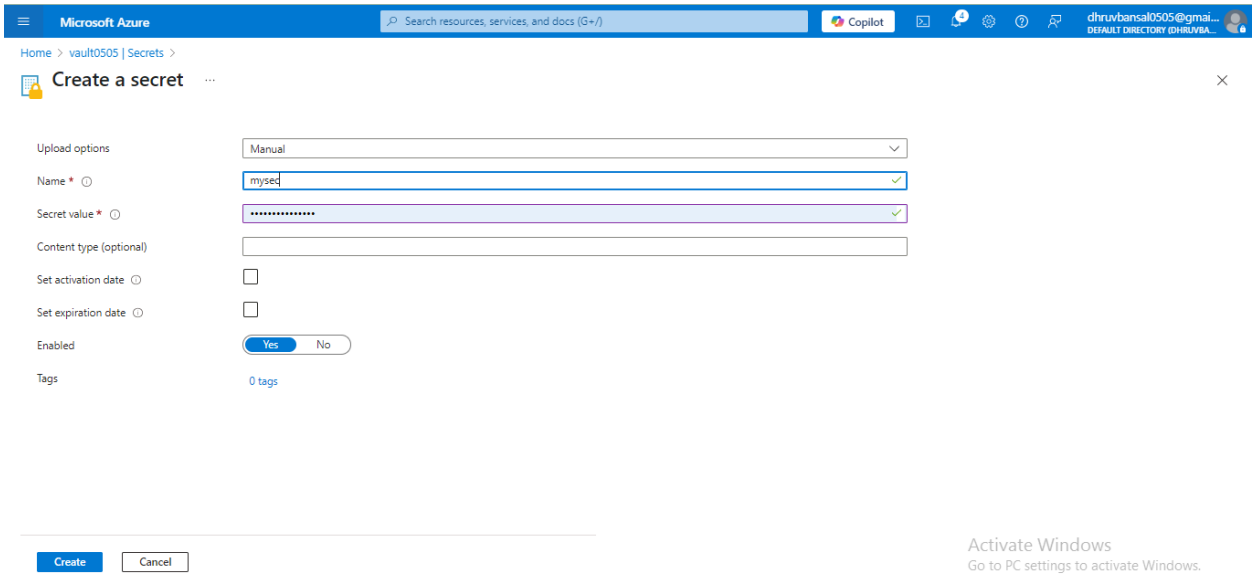
The Above VIrtual Network in the resource group where the policy is definned is not working as the policy is defined for location east us but in these example we are using different location that is why it is throwing exception and prevention of virtual netwok for deployment.

5. Create an Azure key vault and store secrets. Configure access policies for the Key Vault to allow authorized users or applications to manage keys and secrets. retrieve secret from key vault using azure CLI.

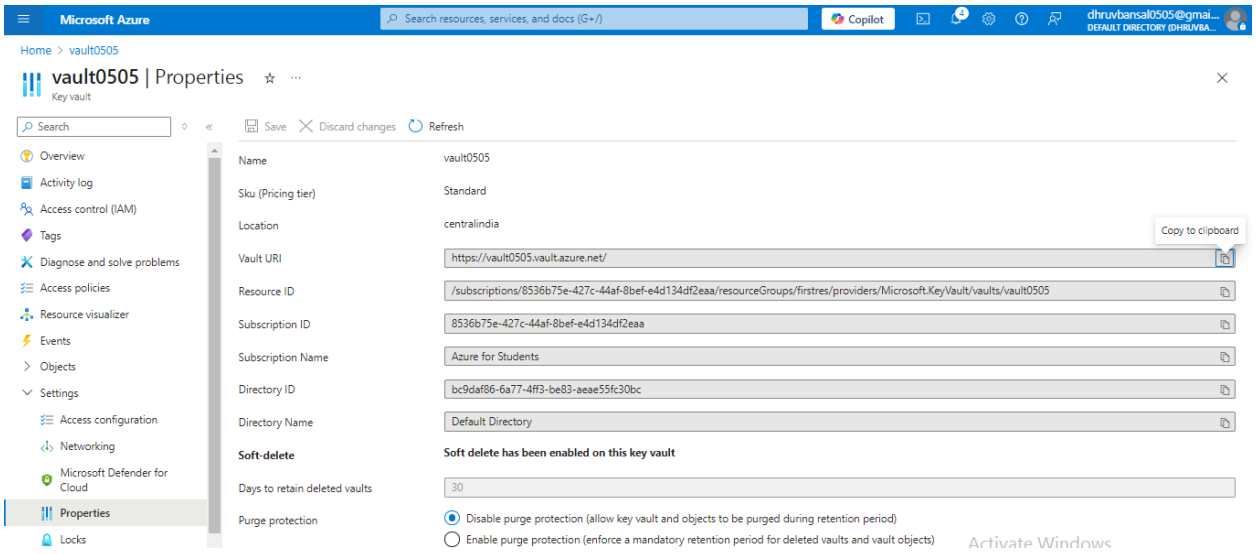
Answer: Creating an azure key vault:



Assign Secrets to key Vault:

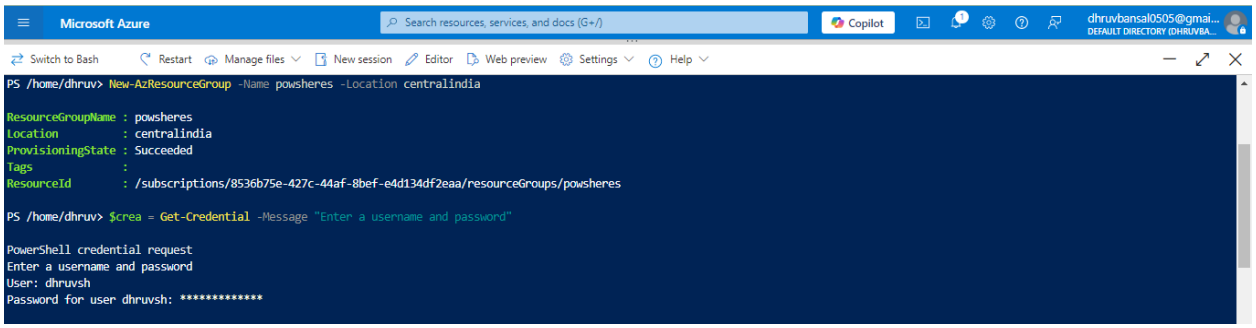


Azure Secret Value Retrivall:



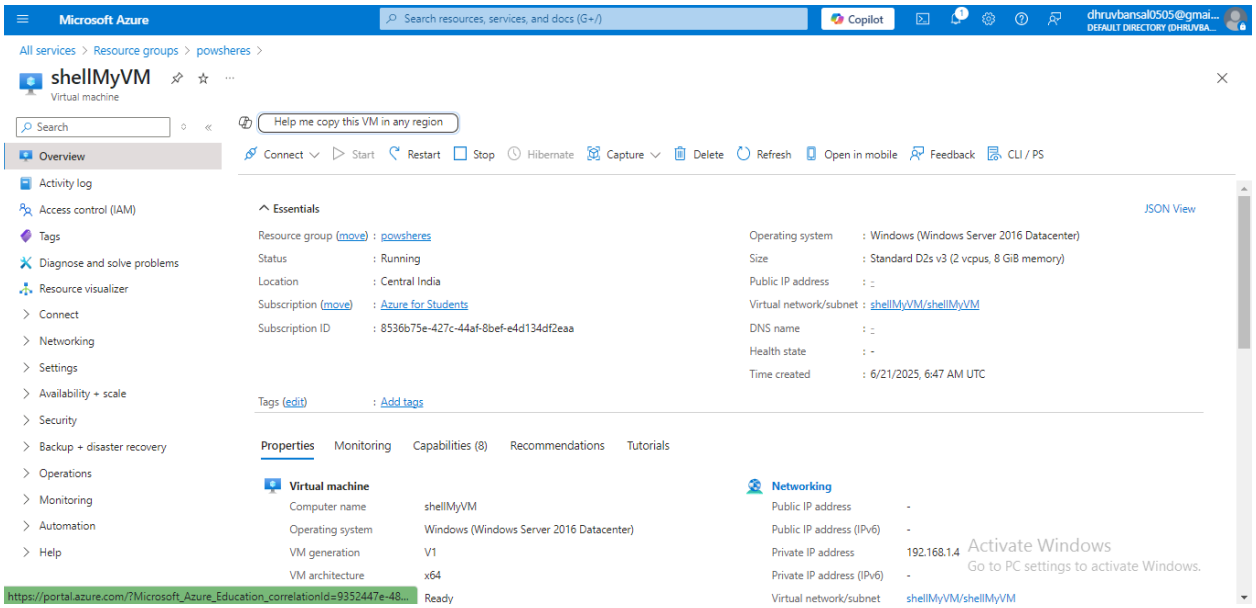
6. Create a VM from Powershell.
Answer: Virtual machine using PowerShell:

New Resouce group Using PowerShell:



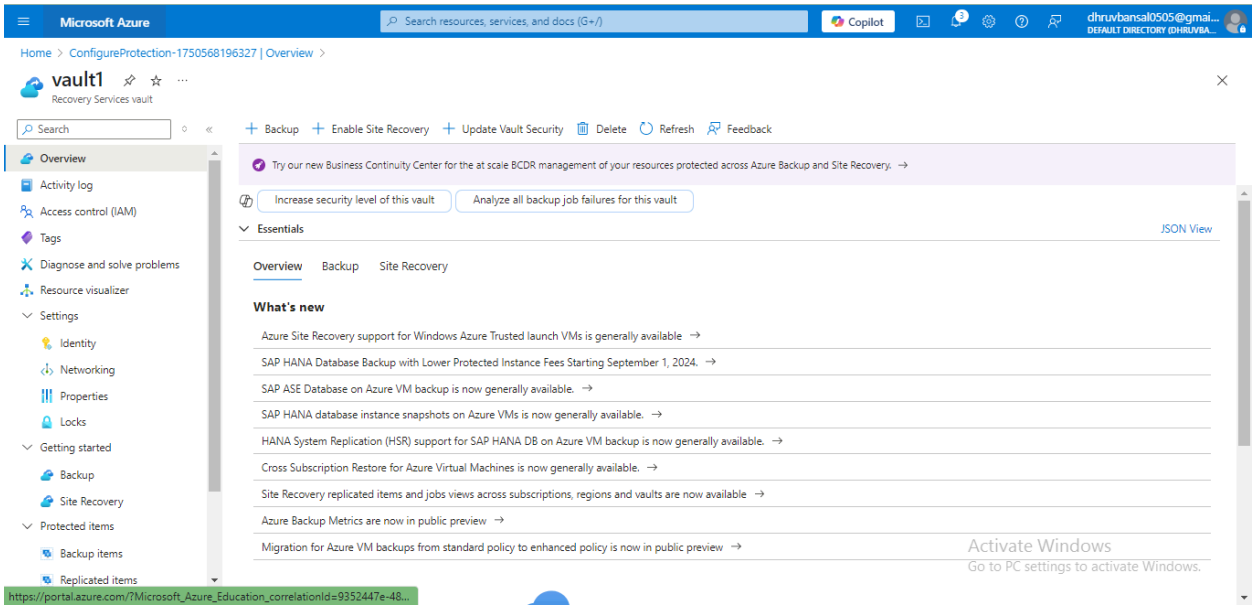
New Virtaul Machine Using Azure CLI:

Azure Portal VM created:

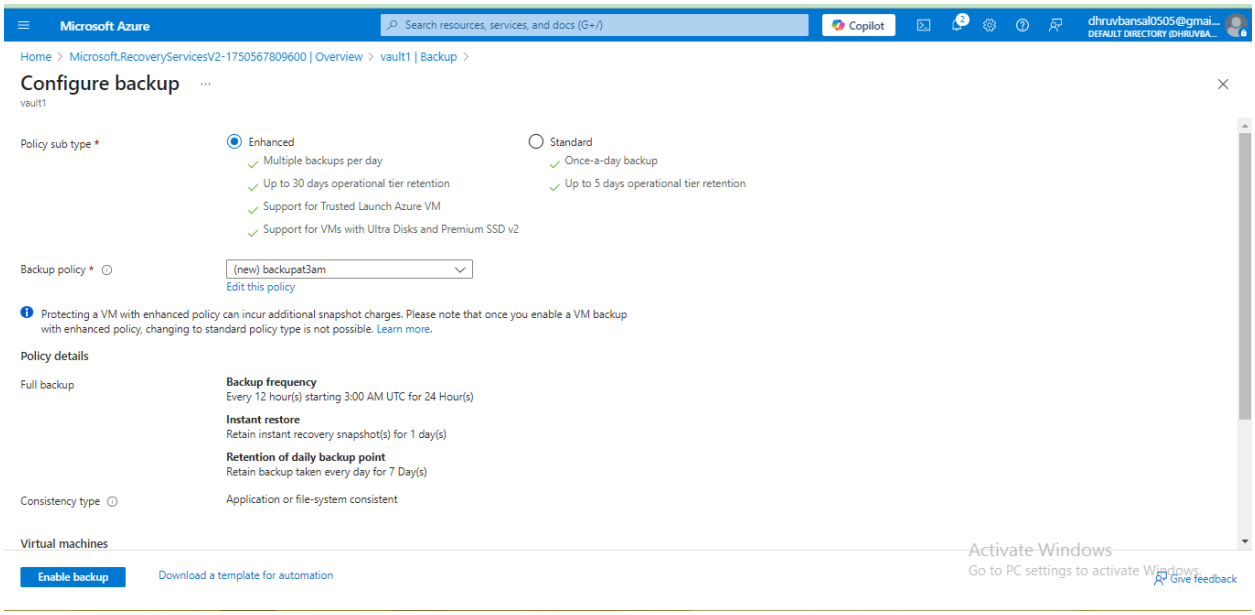


7. A. Schedule a Daily backup of VM at 3:AM using vault 1. Create an Alert rule for VM CPU percentage: Criteria: CPU% MoreThan 80 There Should be analert on Email." B.Provision backups in backup center 2. Schedule a Daily backup of VM at 3:AM using vault. Configure Retention period in backup policy and retain an old backup.

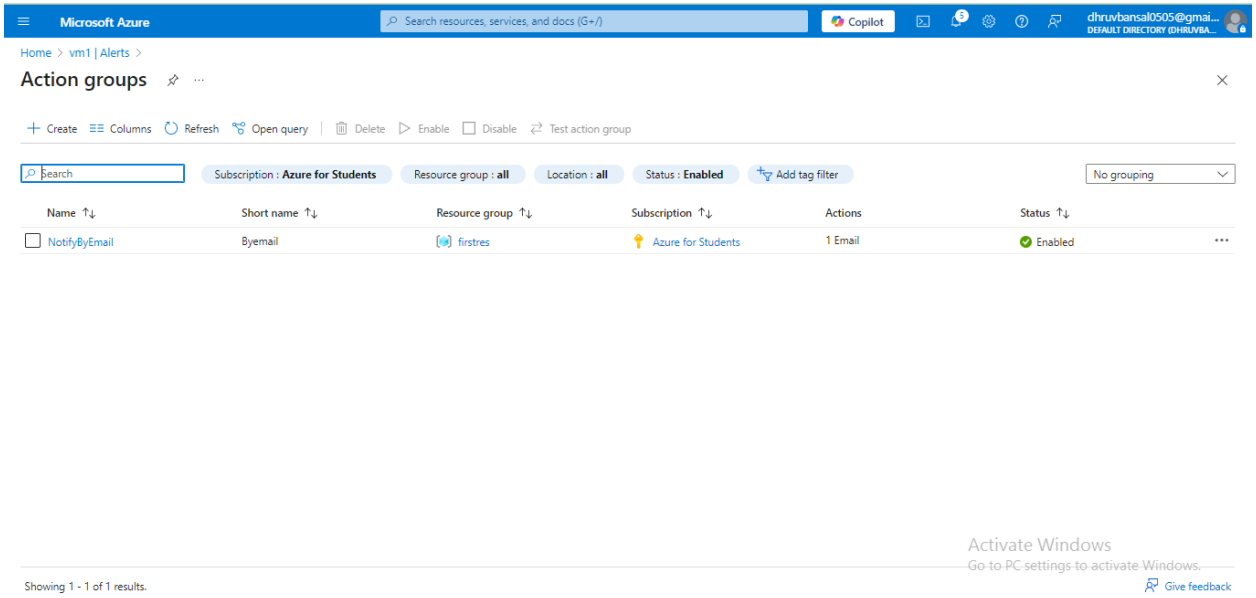
Answer: Schedule a Daily backup of VM at 3:AM using vault:



Backup policy creation at 3 AM:



Alert Group Created:



8. A. Schedule a Daily backup of VM at 3:AM using vault 1. Create an Alert rule for VM CPU percentage: Criteria: CPU% MoreThan 80 There Should be analert on Email." B.Provision backups in backup center 2. Schedule a Daily backup of VM at 3:AM using vault. Configure Retention period in backup policy and retain an old backup.

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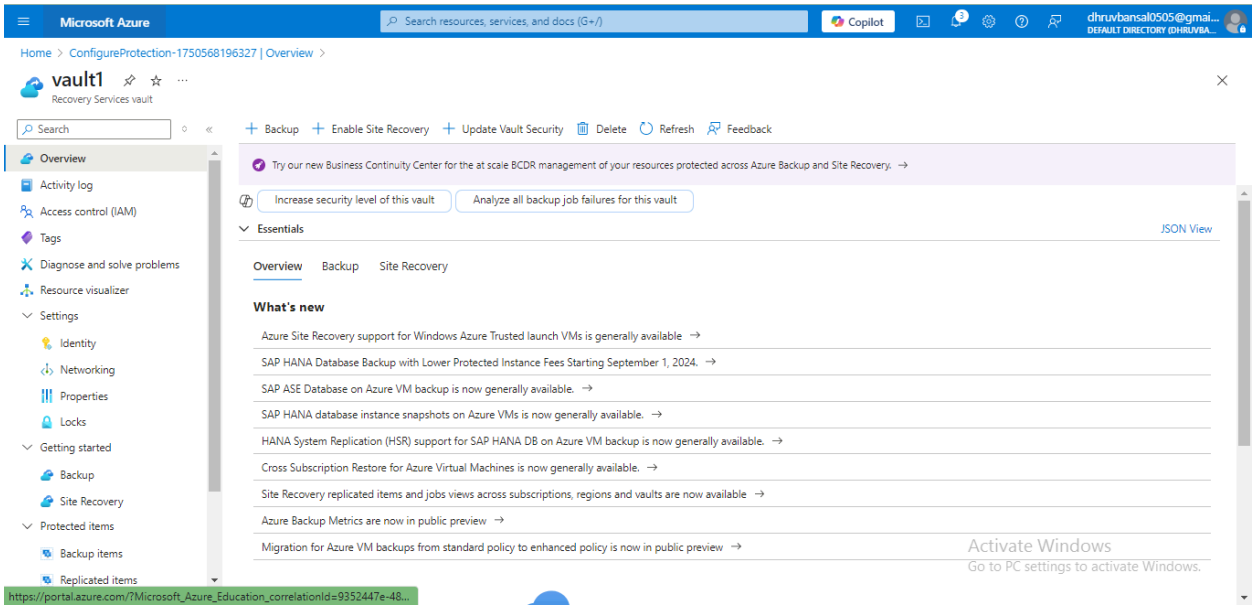
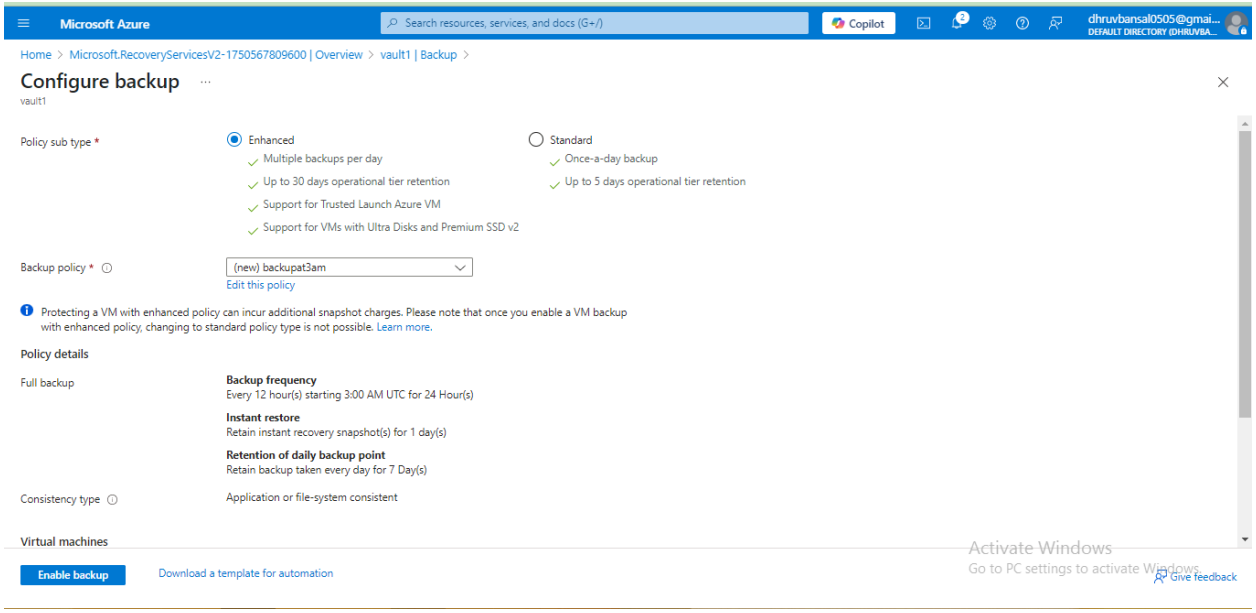
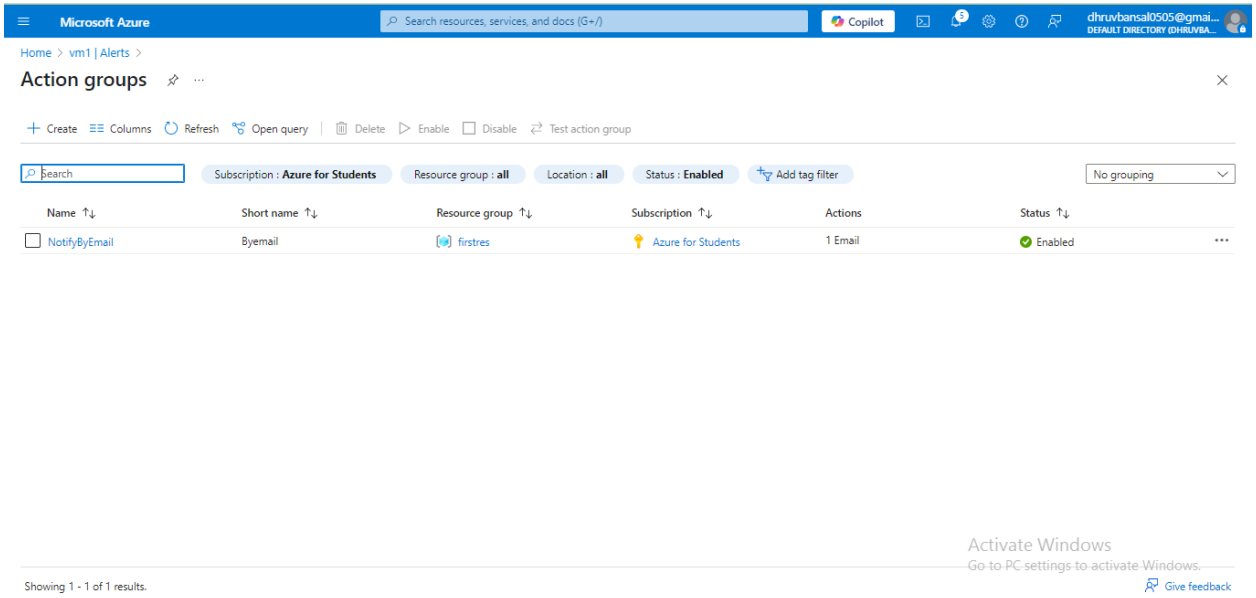


Backup policy creation at 3 AM:



Alert Group Created:



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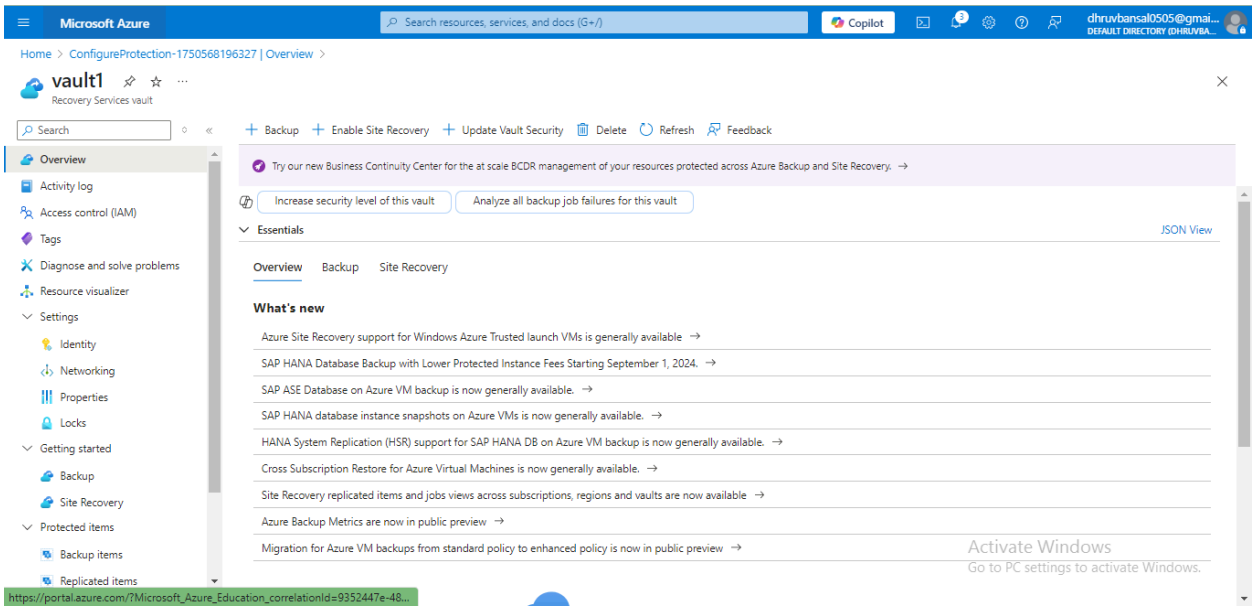
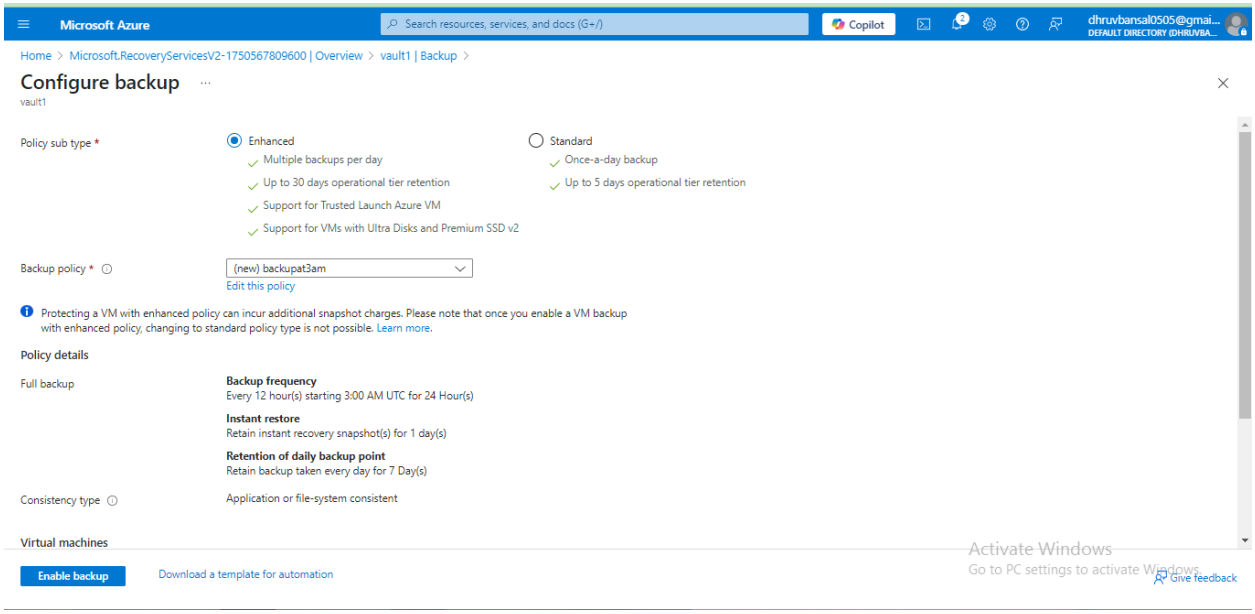
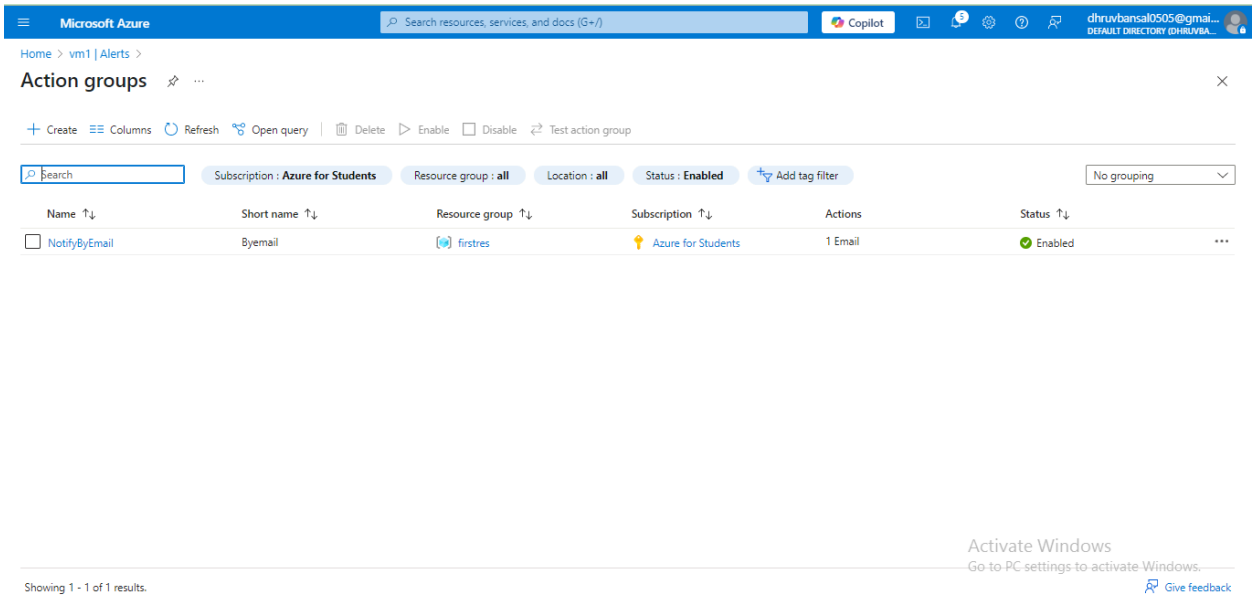


Backup policy creation at 3 AM:



Alert Group Created:



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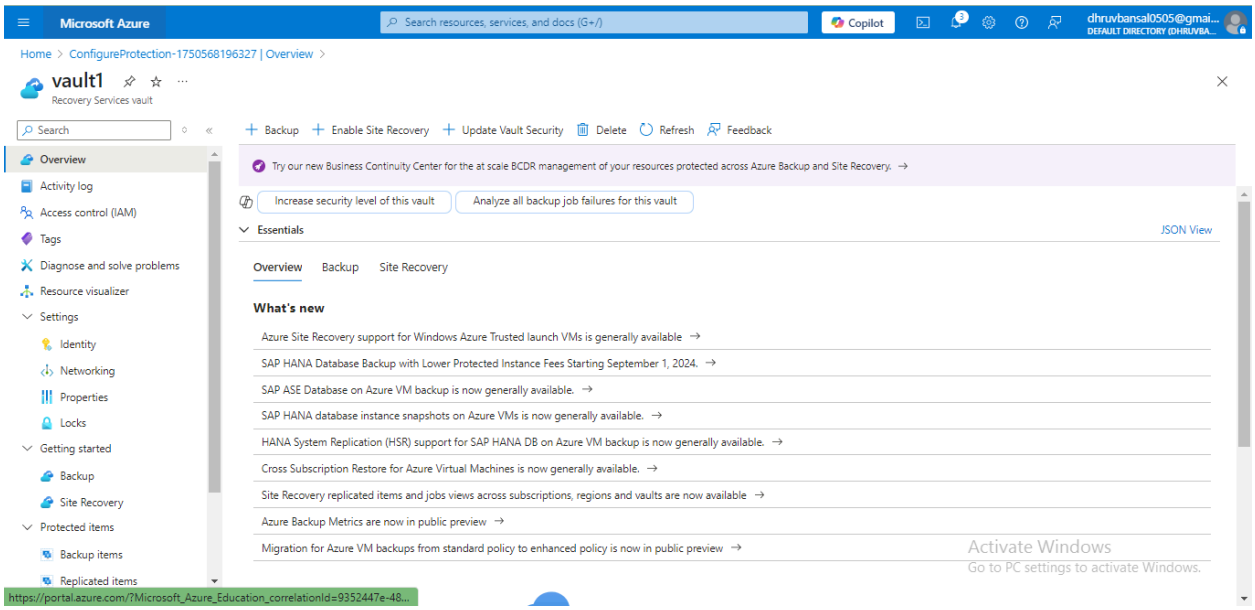
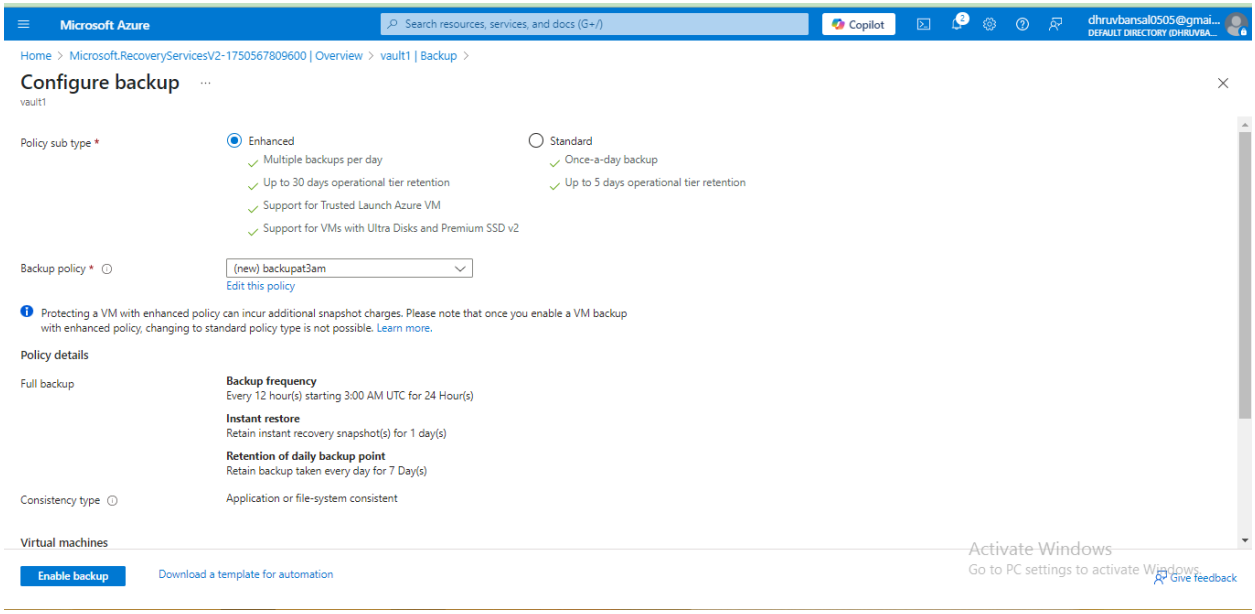
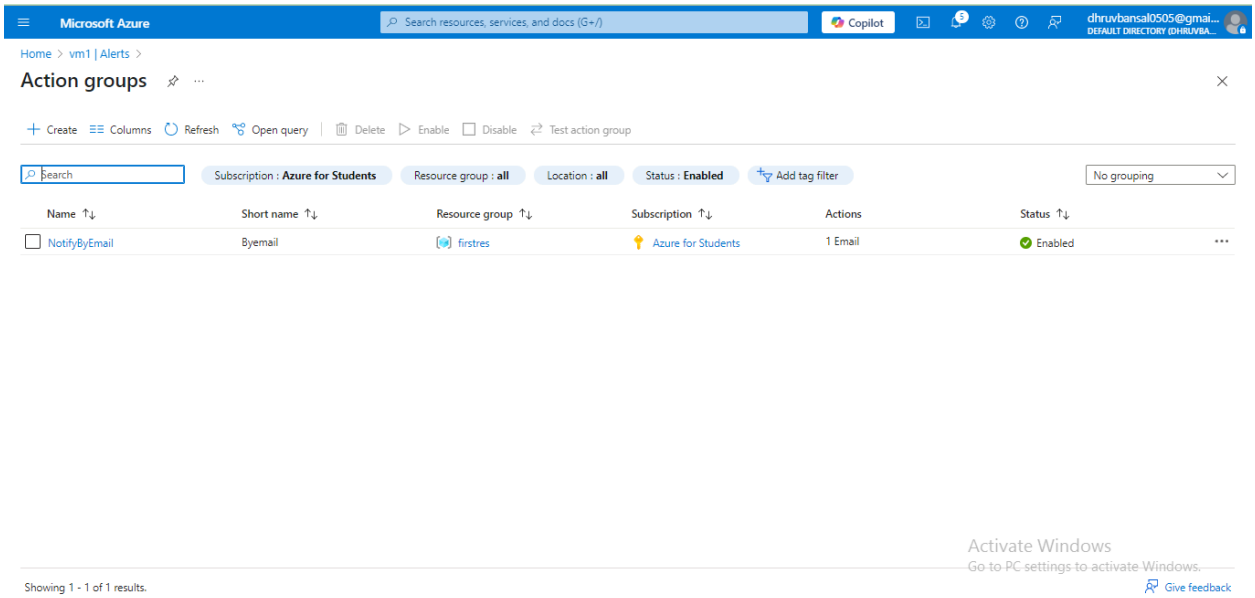


Backup policy creation at 3 AM:



Alert Group Created: