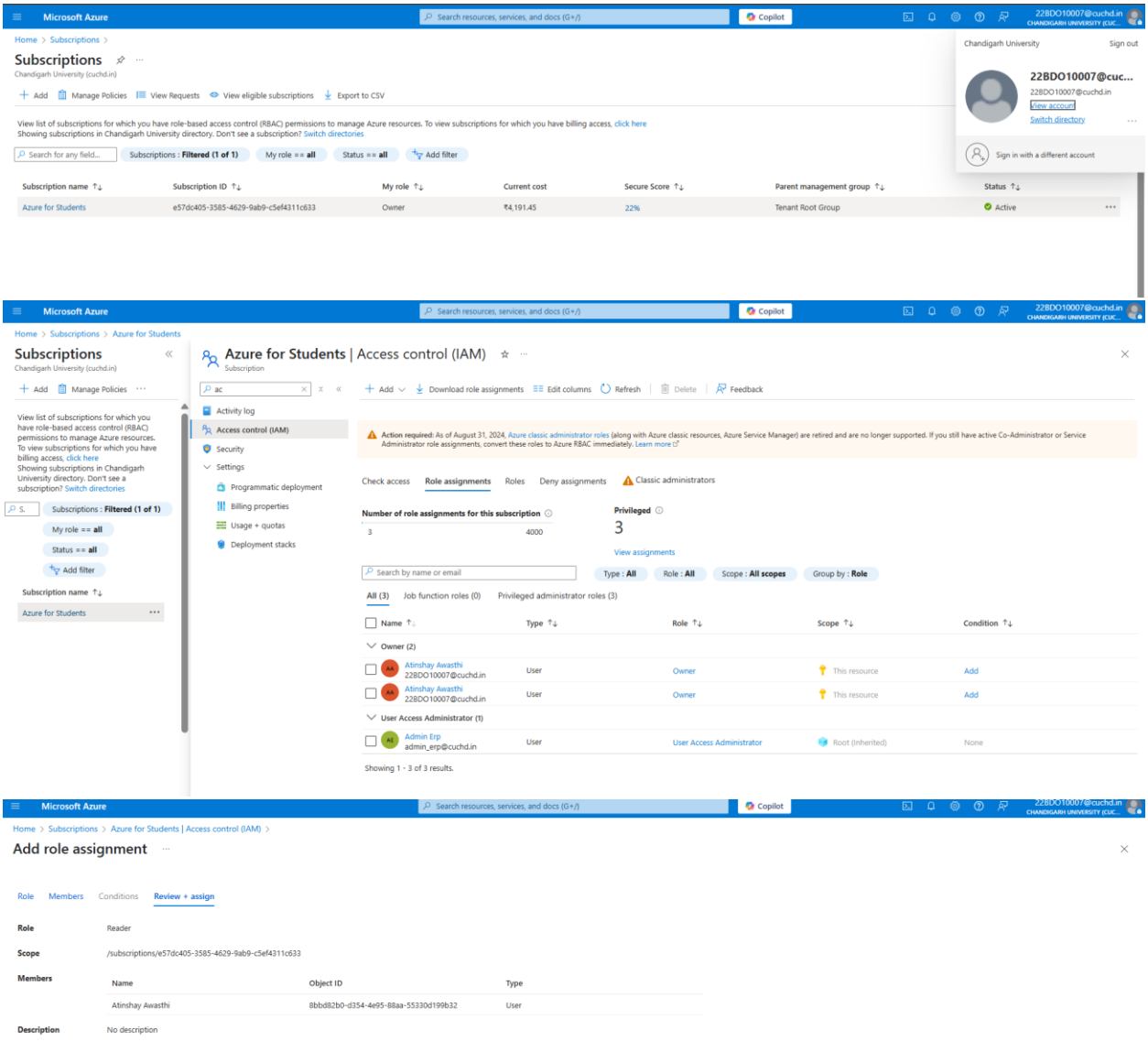
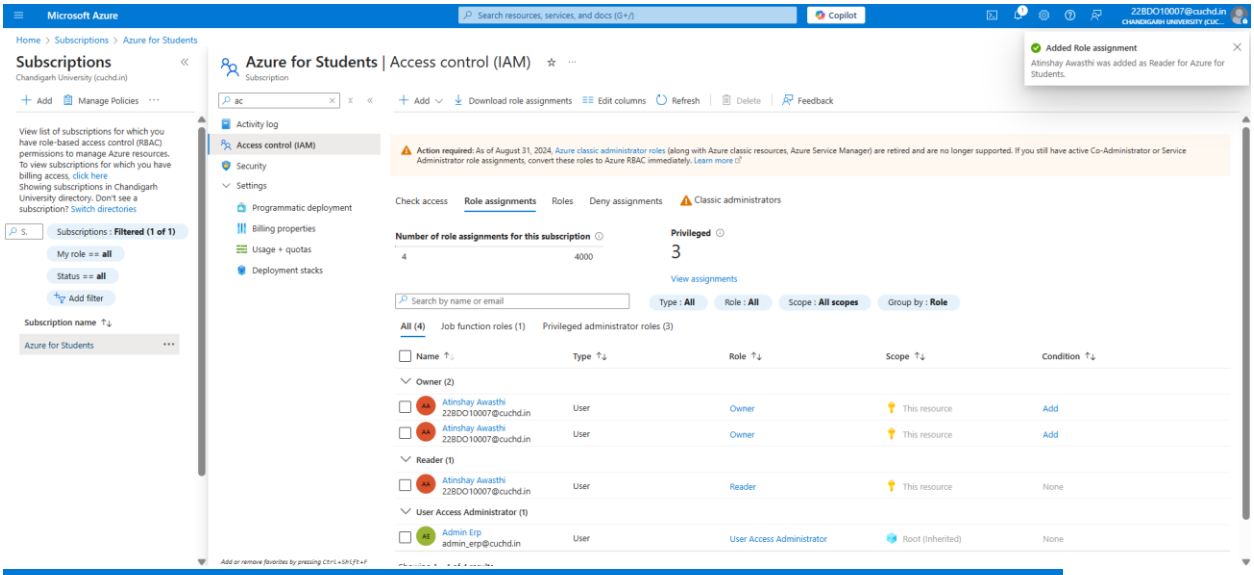
Week-3 Assignment

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.





Microsoft Azure

Home > Subscriptions > Azure for Students | Access control (IAM) >

Create a custom role

Basics | Permissions | Assignable scopes | JSON | **Review + create**

Basics

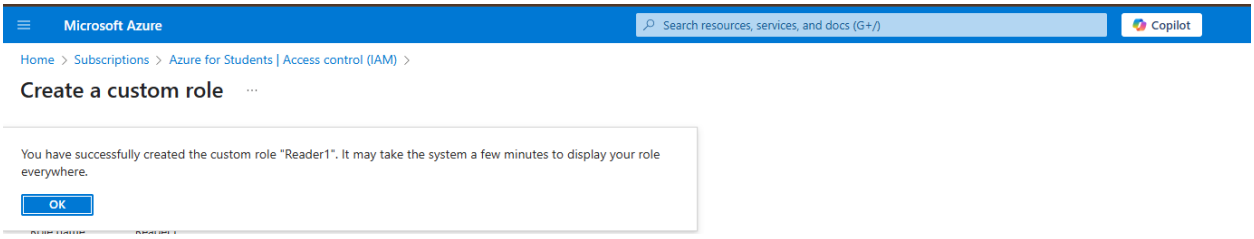
Role name	Reader1
Role description	*No role description provided*

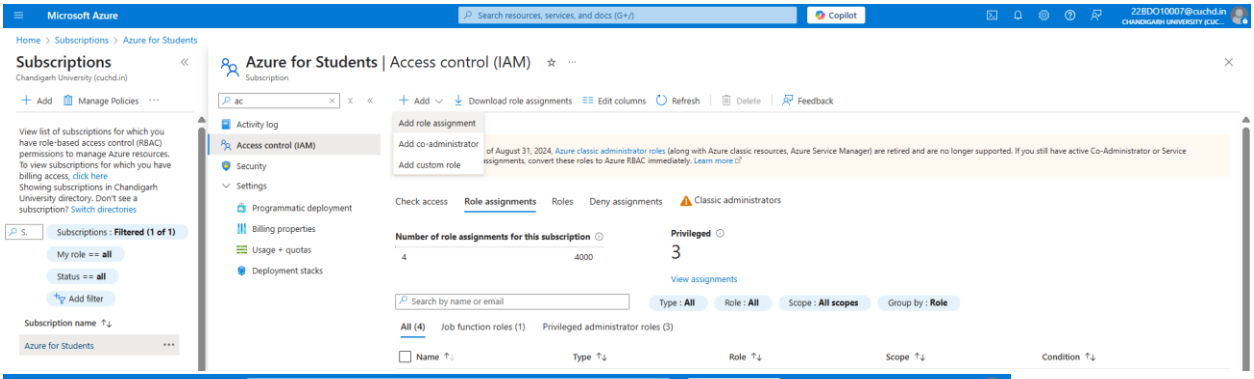
Permissions

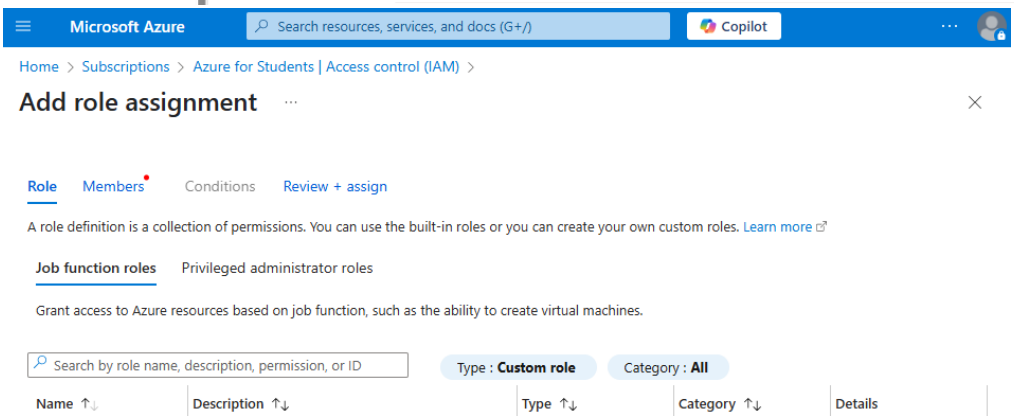
Action	Microsoft.Resources/subscriptions/read

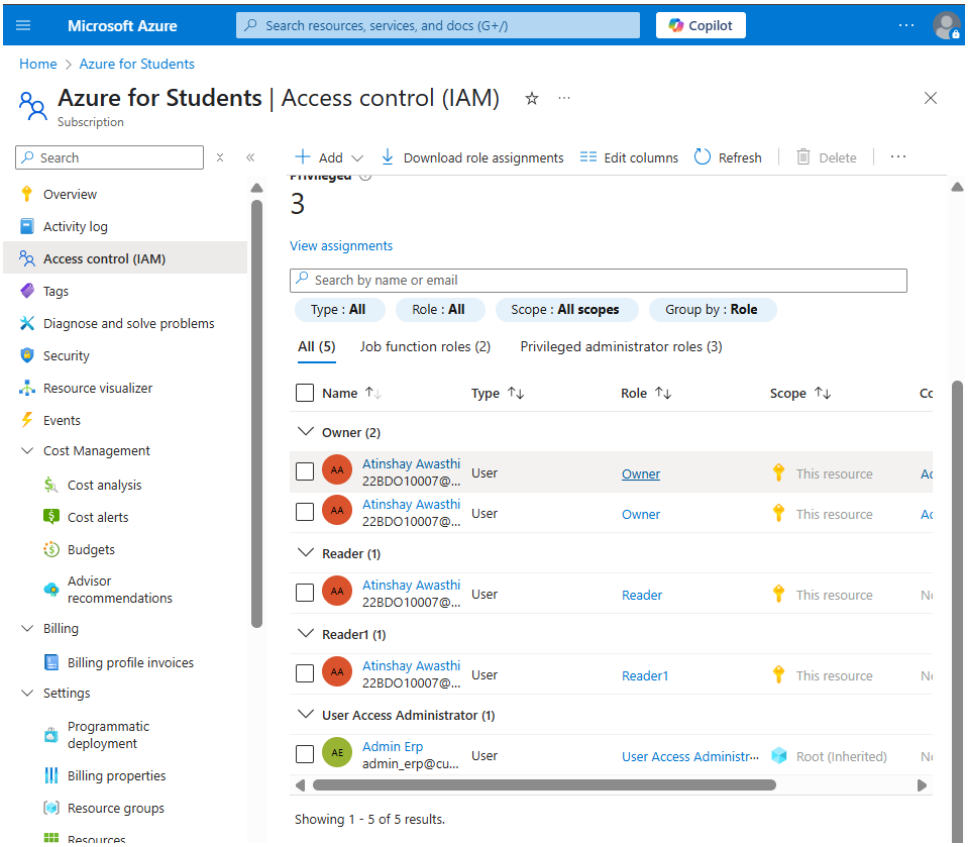
Assignable Scopes

Scope	/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633




Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Subscriptions > Azure for Students
Subscriptions
Azure for Students | Access control (IAM)
Subscription
Add
Manage Policies
Download role assignments
Edit columns
Refresh
Delete
Feedback
Activity log
Access control (IAM)
Security
Settings
Programmatic deployment
Billing properties
Usage + quotas
Deployment stacks
Add role assignment
Add co-administrator
Add custom role
Check access
Role assignments
Roles
Deny assignments
Classic administrators
Number of role assignments for this subscription
4
4000
Privileged
3
View assignments
Search by name or email
Type : All
Role : All
Scope : All scopes
Group by : Role
All (4)
Job function roles (1)
Privileged administrator roles (3)
Name
Type
Role
Scope
Condition


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Subscriptions > Azure for Students | Access control (IAM) >
Add role assignment
Role
Members
Conditions
Review + assign
A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. Learn more
Job function roles
Privileged administrator roles
Grant access to Azure resources based on job function, such as the ability to create virtual machines.
Search by role name, description, permission, or ID
Type : Custom role
Category : All
Name
Description
Type
Category
Details
Reader1
CustomRole
None
View
Showing 1 - 1 of 1 results.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Azure for Students | Access control (IAM)
Subscription
Search
Add
Download role assignments
Edit columns
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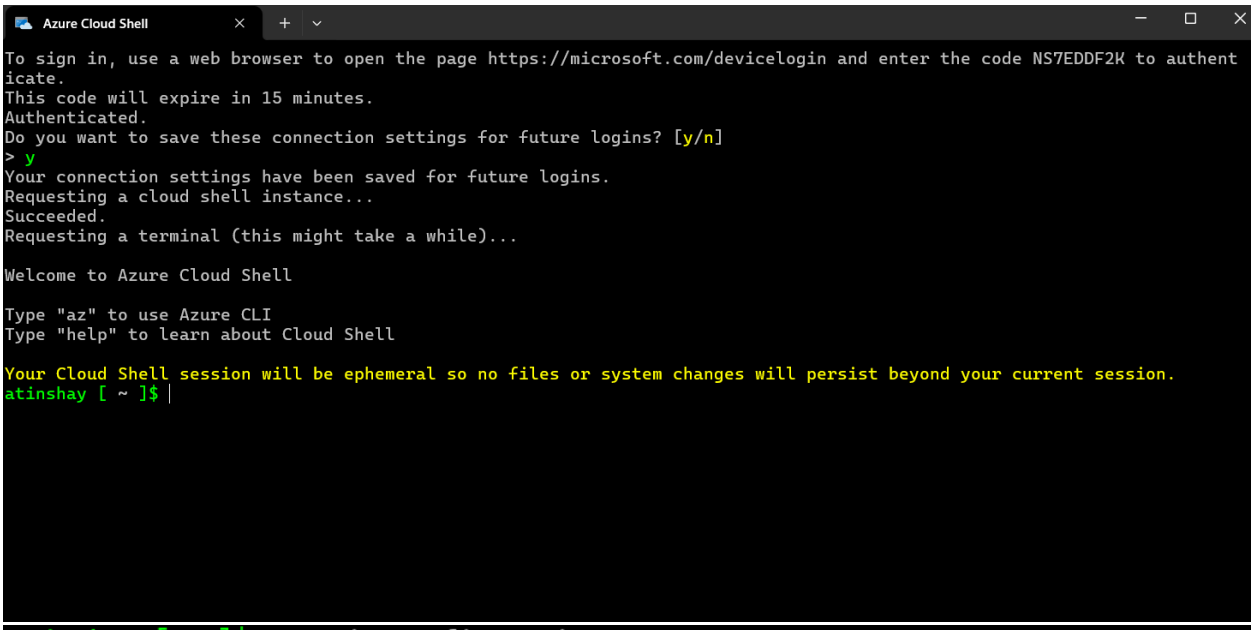
Delete
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Security
Resource visualizer
Events
Cost Management
Cost analysis
Cost alerts
Budgets
Advisor recommendations
Billing
Billing profile invoices
Settings
Programmatic deployment
Billing properties
Resource groups
3
View assignments
Search by name or email
Type : All
Role : All
Scope : All scopes
Group by : Role
All (5)
Job function roles (2)
Privileged administrator roles (3)
Name
Type
Role
Scope
Owner (2)
Atinshay Awasthi 22BDO10007@...
User
Owner
This resource
Reader (1)
Reader1 (1)
User Access Administrator (1)
Admin Erp admin_erp@cu...
User Access Administr...
Root (Inherited)
Showing 1 - 5 of 5 results.

2. Create Virtual maching and Vnet from Azure CLI.




```
atinshay [ ~ ]$ # Basic Configuration
LOCATION="eastus"
RESOURCE_GROUP="MyResourceGroup"
VNET_NAME="MyVNet"
SUBNET_NAME="MySubnet"
VM_NAME="MyVM"
IMAGE="UbuntuLTS"
VM_SIZE="Standard_B1s"
ADMIN_USERNAME="azureuser"
atinshay [ ~ ]$ az group create \
  --name $RESOURCE_GROUP \
  --location $LOCATION

{
  "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/
MyResourceGroup",
  "location": "eastus",
  "managedBy": null,
  "name": "MyResourceGroup",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
```

```
atinshay [ ~ ]$ az network vnet create \
  --resource-group $RESOURCE_GROUP \
  --name $VNET_NAME \
  --address-prefix 10.0.0.0/16 \
  --subnet-name $SUBNET_NAME \
  --subnet-prefix 10.0.0.0/24
{
  "newVNet": {
    "addressSpace": {
      "addressPrefixes": [
        "10.0.0.0/16"
      ]
    },
    "enableDdosProtection": false,
    "etag": "W/\"0da62570-f231-453c-8c19-0baeedc1ee8c\"",
    "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/virtualNetworks/MyVNet",
    "location": "eastus",
    "name": "MyVNet",
    "privateEndpointVNetPolicies": "Disabled",
    "provisioningState": "Succeeded",
    "resourceGroup": "MyResourceGroup",
    "resourceGuid": "0ec6d574-a532-4d11-915b-15fa42c83366",
    "subnets": [
      {
        "addressPrefix": "10.0.0.0/24",
        "delegations": [],
        "etag": "W/\"0da62570-f231-453c-8c19-0baeedc1ee8c\"",
        "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/virtualNetworks/MyVNet/subnets
/MySubnet",
        "name": "MySubnet",
        "privateEndpointNetworkPolicies": "Disabled",
        "privateLinkServiceNetworkPolicies": "Enabled",
        "provisioningState": "Succeeded",
        "resourceGroup": "MyResourceGroup",
        "type": "Microsoft.Network/virtualNetworks/subnets"
      }
    ],
    "type": "Microsoft.Network/virtualNetworks",
    "virtualNetworkPeerings": []
  }
}
```

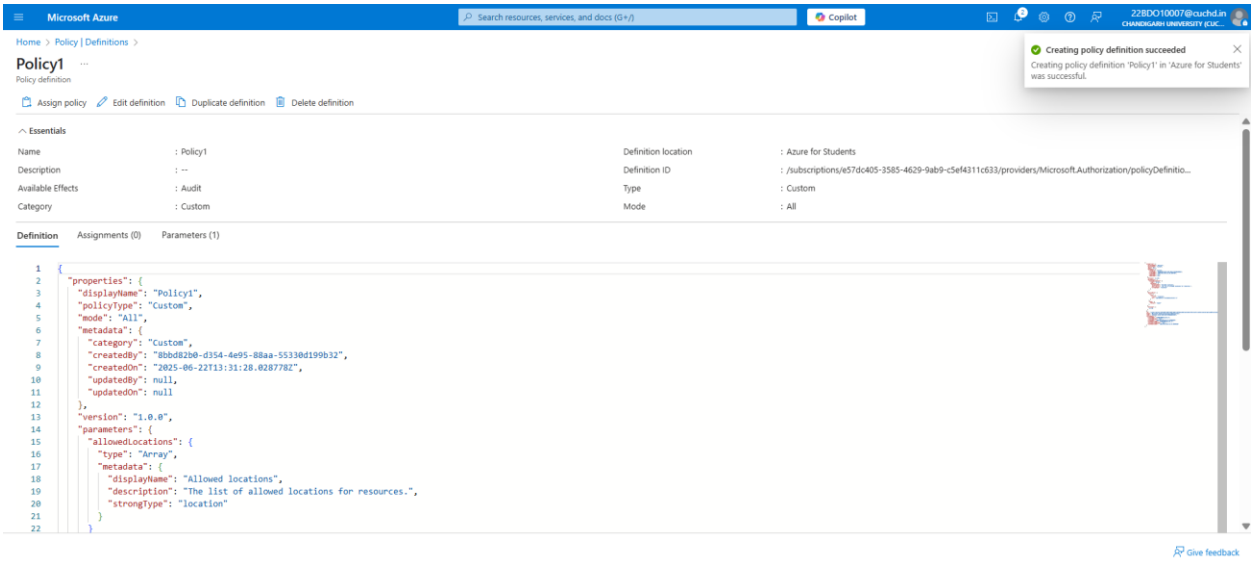
```
atinshay [ ~ ]$ az network public-ip create \
  --resource-group $RESOURCE_GROUP \
  --name ${VM_NAME}PublicIP
[Coming breaking change] In the coming release, the default behavior will be changed as follows when sku is Standard and zone is not provided: For zonal reg
ions, you will get a zone-redundant IP indicated by zones:["1","2","3"]; For non-zonal regions, you will get a non zone-redundant IP indicated by zones:null
.
{
  "publicIp": {
    "ddosSettings": {
      "protectionMode": "VirtualNetworkInherited"
    },
    "etag": "W/\"566c0373-6fc3-42fc-bb5c-6f3c68a218e8\"",
    "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/publicIPAddresses/MyVMPublicIP",
    "idleTimeoutInMinutes": 4,
    "ipAddress": "172.191.211.178",
    "ipTags": [],
    "location": "eastus",
    "name": "MyVMPublicIP",
    "provisioningState": "Succeeded",
    "publicIPAddressVersion": "IPv4",
    "publicIPAllocationMethod": "Static",
    "resourceGroup": "MyResourceGroup",
    "resourceGuid": "93f0b9d4-2222-4c79-b2fd-f60071f50945",
    "sku": {
      "name": "Standard",
      "tier": "Regional"
    },
    "type": "Microsoft.Network/publicIPAddresses"
  }
}
```

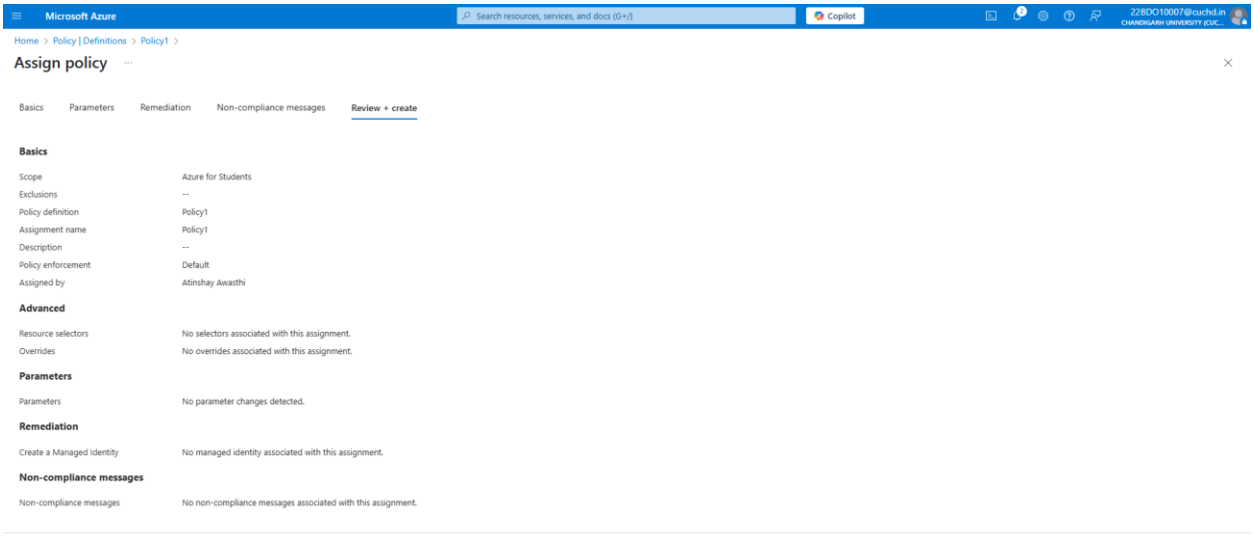
```
atinshay [ ~ ]$ az network nsg create \
  --resource-group $RESOURCE_GROUP \
  --name ${VM_NAME}NSG
{
  "NewNSG": {
    "defaultSecurityRules": [
      {
        "access": "Allow",
        "description": "Allow inbound traffic from all VMs in VNET",
        "destinationAddressPrefix": "VirtualNetwork",
        "destinationAddressPrefixes": [],
        "destinationPortRange": "*",
        "destinationPortRanges": [],
        "direction": "Inbound",
        "etag": "W/\"8b2e1f1a-e0e9-4149-8c12-e019782d7126\"",
        "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/networkSecurityGroups/MyVMNSG/
defaultSecurityRules/AllowVnetInBound",
        "name": "AllowVnetInBound",
        "priority": 65000,
        "protocol": "*",
        "provisioningState": "Succeeded",
        "resourceGroup": "MyResourceGroup",
        "sourceAddressPrefix": "VirtualNetwork",
        "sourceAddressPrefixes": [],
        "sourcePortRange": "*",
        "sourcePortRanges": [],
        "type": "Microsoft.Network/networkSecurityGroups/defaultSecurityRules"
      },
      {
        "access": "Allow",
        "description": "Allow inbound traffic from azure load balancer",
        "destinationAddressPrefix": "*",
        "destinationAddressPrefixes": [],
        "destinationPortRange": "*",
        "destinationPortRanges": [],
        "direction": "Inbound",
        "etag": "W/\"8b2e1f1a-e0e9-4149-8c12-e019782d7126\"",
        "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/networkSecurityGroups/MyVMNSG/
```

```
atinshay [ ~ ]$ az network nic create \
  --resource-group $RESOURCE_GROUP \
  --name ${VM_NAME}NIC \
  --vnet-name $VNET_NAME \
  --subnet $SUBNET_NAME \
  --network-security-group ${VM_NAME}NSG \
  --public-ip-address ${VM_NAME}PublicIP
{
  "NewNIC": {
    "auxiliaryMode": "None",
    "auxiliarySku": "None",
    "disableTcpStateTracking": false,
    "dnsSettings": {
      "appliedDnsServers": [],
      "dnsServers": [],
      "internalDomainNameSuffix": "otk2mdrsuuiu1ek1cx3efsbtmg.bx.internal.cloudapp.net"
    },
    "enableAcceleratedNetworking": false,
    "enableIPForwarding": false,
    "etag": "W/\"85e1b323-3133-4b02-bbeb-0b1dbbdced57\"",
    "hostedWorkloads": [],
    "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/networkInterfaces/MyVMNIC",
    "ipConfigurations": [
      {
        "etag": "W/\"85e1b323-3133-4b02-bbeb-0b1dbbdced57\"",
        "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Network/networkInterfaces/MyVMNIC/ipCo
nfigurations/ipconfig1",
        "name": "ipconfig1",
        "primary": true,
        "privateIPAddress": "10.0.0.4",
        "privateIPAddressVersion": "IPv4",
        "privateIPAllocationMethod": "Dynamic",
        "provisioningState": "Succeeded",
```

```
atinshay [ ~ ]$ IMAGE="Ubuntu2204"
atinshay [ ~ ]$ export IMAGE="Ubuntu2204"
atinshay [ ~ ]$ az vm create \
  --resource-group $RESOURCE_GROUP \
  --name $VM_NAME \
  --nics ${VM_NAME}NIC \
  --image $IMAGE \
  --size $VM_SIZE \
  --admin-username $ADMIN_USERNAME \
  --generate-ssh-keys
SSH key files '/home/atinshay/.ssh/id_rsa' and '/home/atinshay/.ssh/id_rsa.pub' have been generated under ~/.ssh to allow SSH access to the VM. If using mac
hines without permanent storage, back up your keys to a safe location.
{
  "fqdns": "",
  "id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/MyResourceGroup/providers/Microsoft.Compute/virtualMachines/MyVM",
  "location": "eastus",
  "macAddress": "00-0D-3A-10-C4-2C",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "172.191.211.178",
  "resourceGroup": "MyResourceGroup",
  "zones": ""
}
atinshay [ ~ ]$ az vm show \
  --resource-group $RESOURCE_GROUP \
  --name $VM_NAME \
  --show-details \
  --query [publicIps] \
  --output tsv
172.191.211.178
```

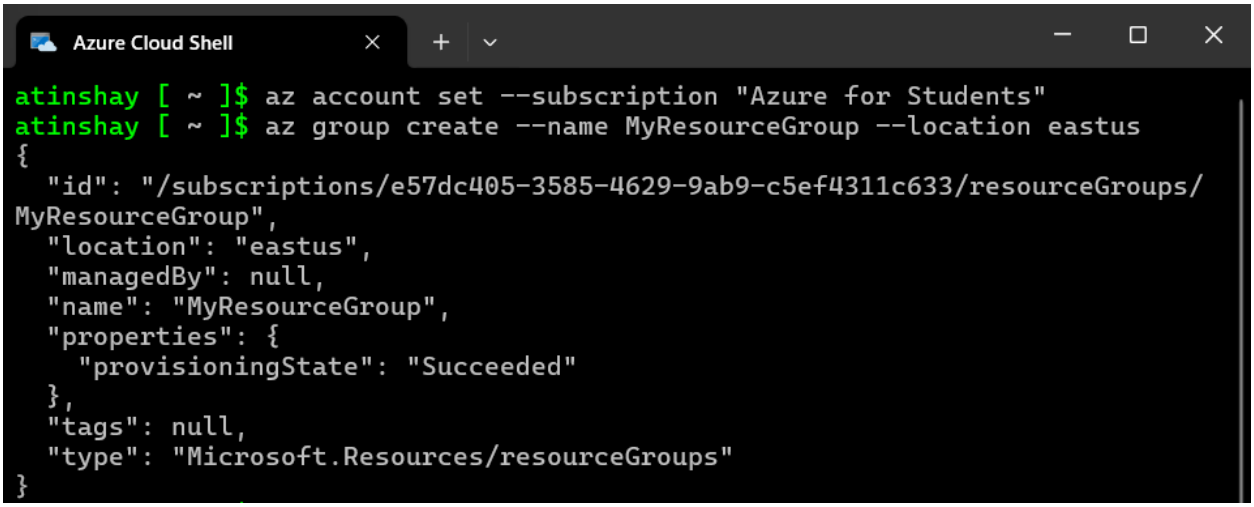
3. Create and assign a any policy at subscription level.

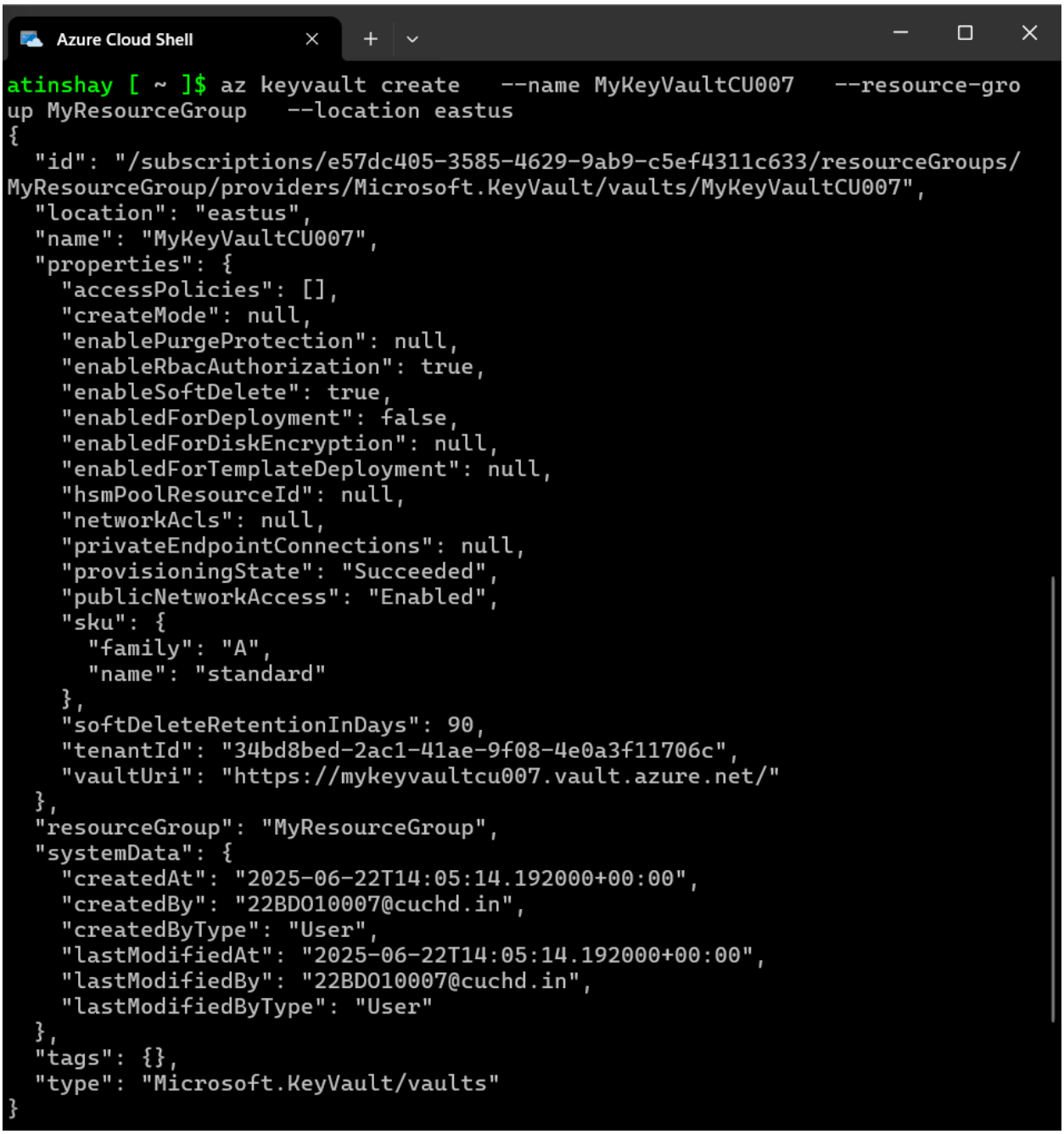




Microsoft Azure
Search resources, services, and docs (G+/)
Home > Policy | Compliance >
Assign policy
Basics
Parameters
Remediation
Non-compliance messages
Review + create
Basics
Scope
Azure for Students
Exclusions
--
Policy definition
Policy1
Assignment name
Policy1
Description
--
Policy enforcement
Default
Assigned by
Atinshay Awasthi
Advanced
Resource selectors
No selectors associated with this assignment.
Overrides
No overrides associated with this assignment.
Parameters
Parameters
No parameter changes detected.
Remediation
Create a Managed Identity
No managed identity associated with this assignment.
Non-compliance messages
Non-compliance messages
No non-compliance messages associated with this assignment.
Previous
Next
Create

4. 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.




Azure Cloud Shell
atinshay [~]$ az keyvault create --name MyKeyVaultCU007 --resource-gro
up MyResourceGroup --location eastus
{
"id": "/subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/resourceGroups/
MyResourceGroup/providers/Microsoft.KeyVault/vaults/MyKeyVaultCU007",
"location": "eastus",
"name": "MyKeyVaultCU007",
"properties": {
"accessPolicies": [],
"createMode": null,
"enablePurgeProtection": null,
"enableRbacAuthorization": true,
"enableSoftDelete": true,
"enabledForDeployment": false,
"enabledForDiskEncryption": null,
"enabledForTemplateDeployment": null,
"hsmPoolResourceId": null,
"networkAcls": null,
"privateEndpointConnections": null,
"provisioningState": "Succeeded",
"publicNetworkAccess": "Enabled",
"sku": {
"family": "A",
"name": "standard"
},
"softDeleteRetentionInDays": 90,
"tenantId": "34bd8bed-2ac1-41ae-9f08-4e0a3f11706c",
"vaultUri": "https://mykeyvaultcu007.vault.azure.net/"
},
"resourceGroup": "MyResourceGroup",
"systemData": {
"createdAt": "2025-06-22T14:05:14.192000+00:00",
"createdBy": "22BDO10007@cuchd.in",
"createdByType": "User",
"lastModifiedAt": "2025-06-22T14:05:14.192000+00:00",
"lastModifiedBy": "22BDO10007@cuchd.in",
"lastModifiedByType": "User"
},
"tags": {},
"type": "Microsoft.KeyVault/vaults"
}

```
atinshay [ ~ ]$ az keyvault secret set \
  --vault-name MyKeyVaultCU007 \
  --name MySecretName \
  --value "ThisIsASecretValue"
{
  "attributes": {
    "created": "2025-06-22T14:24:56+00:00",
    "enabled": true,
    "expires": null,
    "notBefore": null,
    "recoverableDays": 90,
    "recoveryLevel": "Recoverable+Purgeable",
    "updated": "2025-06-22T14:24:56+00:00"
  },
  "contentType": null,
  "id": "https://mykeyvaultcu007.vault.azure.net/secrets/MySecretName/9daa229a8cde44359e3cf99776801601",
  "kid": null,
  "managed": null,
  "name": "MySecretName",
  "tags": {
    "file-encoding": "utf-8"
  },
  "value": "ThisIsASecretValue"
}
atinshay [ ~ ]$ az keyvault secret show \
  --vault-name MyKeyVaultCU007 \
  --name MySecretName \
  --query value -o tsv
ThisIsASecretValue
atinshay [ ~ ]$
```

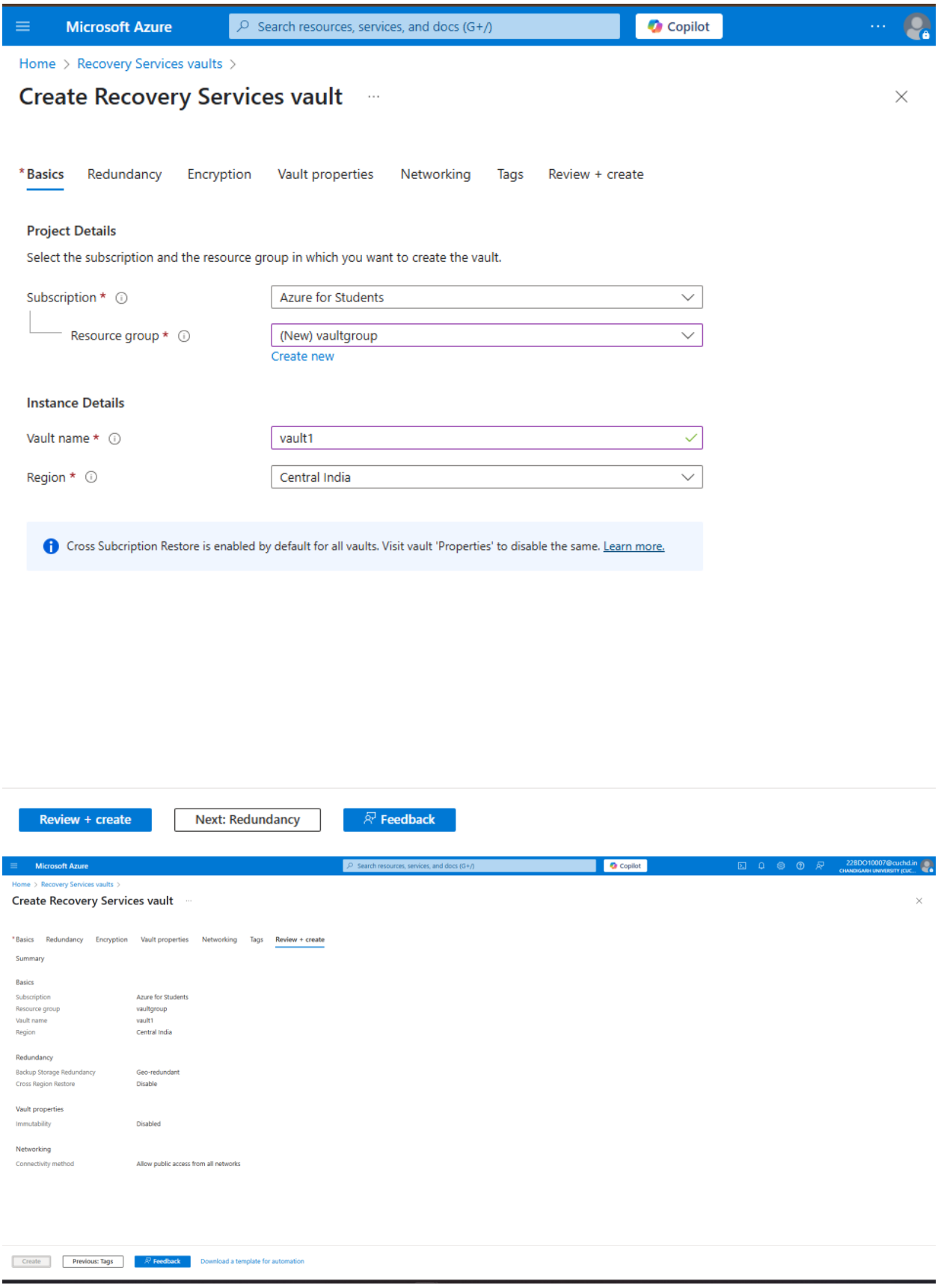
5. Create a VM from Powershell.

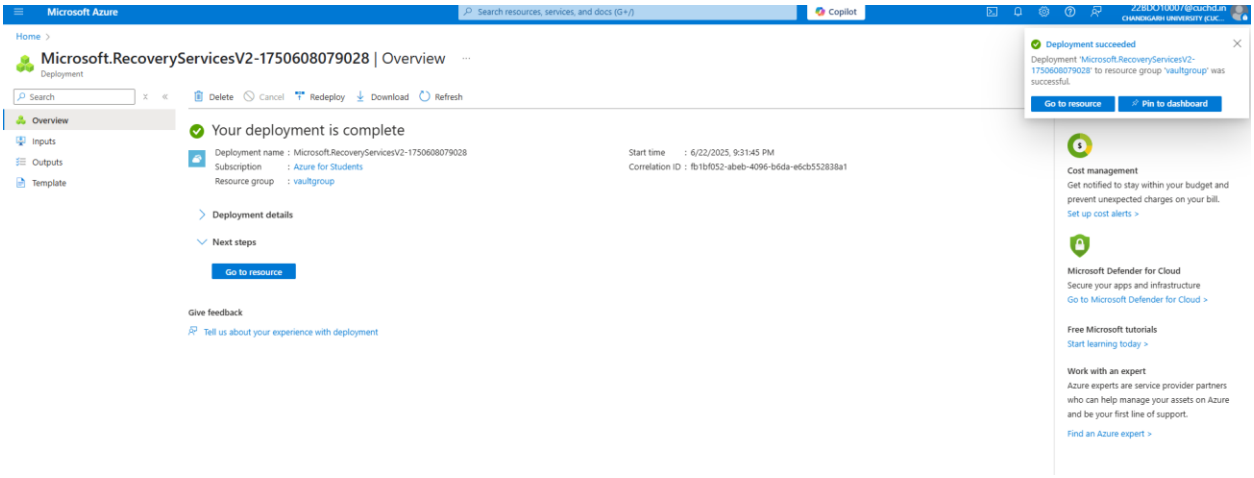
```
PS C:\Users\ATINSHAY> $resourceGroup = "MyNewResourceGroup"
PS C:\Users\ATINSHAY> $location = "EastUS"
PS C:\Users\ATINSHAY> $vmName = "MyNewVM"
PS C:\Users\ATINSHAY> $vnetName = "MyNewVnet"
PS C:\Users\ATINSHAY> $subnetName = "MyNewSubnet"
PS C:\Users\ATINSHAY> $ipName = "MyNewPublicIP"
PS C:\Users\ATINSHAY> $nicName = "MyNewNIC"
PS C:\Users\ATINSHAY> $nsgName = "MyNewNSG"
PS C:\Users\ATINSHAY> $vmSize = "Standard_B1s"  # Budget-friendly VM size
PS C:\Users\ATINSHAY> New-AzResourceGroup -Name $resourceGroup -Location $location


ResourceGroupName : MyNewResourceGroup
Location          : eastus
ProvisioningState : Succeeded
Tags              :
ResourceId        : /subscriptions/e57dc405-3585-4629-9ab9-c5ef4311c633/res
                    ourceGroups/MyNewResourceGroup



PS C:\Users\ATINSHAY> $vnet = New-AzVirtualNetwork -ResourceGroupName $resourceGroup -Location $location -Name $vnetName -AddressPrefix "10.1.0.0/16"
PS C:\Users\ATINSHAY> Add-AzVirtualNetworkSubnetConfig -Name $subnetName -AddressPrefix "10.1.0.0/24" -VirtualNetwork $vnet | Set-AzVirtualNetwork

ResourceGroupName  Name      Location ProvisioningState EnableDdosProtectio
                                                       n
-----------------  ----      -------- ----------------- ------------------
MyNewResourceGroup MyNewVnet eastus   Succeeded         False
```

```
PS C:\Users\ATINSHAY> $nsgRule = New-AzNetworkSecurityRuleConfig -Name "Allow-SSH" -Protocol "Tcp" -Direction "Inbound" -Priority 1000 -SourceAddressPrefix
"*" -SourcePortRange "*" -DestinationAddressPrefix "*" -DestinationPortRange 22 -Access "Allow"
PS C:\Users\ATINSHAY> $nsg = New-AzNetworkSecurityGroup -ResourceGroupName $resourceGroup -Location $location -Name $nsgName -SecurityRules $nsgRule
PS C:\Users\ATINSHAY> $pip = New-AzPublicIpAddress -Name $ipName -ResourceGroupName $resourceGroup -Location $location -AllocationMethod Static -Sku Standar
d
PS C:\Users\ATINSHAY> $vnet = Get-AzVirtualNetwork -Name $vnetName -ResourceGroupName $resourceGroup
PS C:\Users\ATINSHAY> $subnet = Get-AzVirtualNetworkSubnetConfig -Name $subnetName -VirtualNetwork $vnet
PS C:\Users\ATINSHAY> $nic = New-AzNetworkInterface -Name $nicName -ResourceGroupName $resourceGroup -Location $location -SubnetId $subnet.Id -PublicIpAddre
ssId $pip.Id -NetworkSecurityGroupId $nsg.Id
```

```
PS C:\Users\ATINSHAY> $cred = Get-Credential -Message "Enter a username and password for your new VM"
PS C:\Users\ATINSHAY> $vmConfig = New-AzVMConfig -VMName $vmName -VMSize $vmSize |
>>     Set-AzVMOperatingSystem -Linux -ComputerName $vmName -Credential $cred -DisablePasswordAuthentication:$false |
>>     Set-AzVMSourceImage -PublisherName "Canonical" -Offer "UbuntuServer" -Skus "18.04-LTS" -Version "latest" |
>>     Add-AzVMNetworkInterface -Id $nic.Id
```

6. 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.


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Recovery Services vaults >
Create Recovery Services vault
*Basics
Redundancy
Encryption
Vault properties
Networking
Tags
Review + create
Project Details
Select the subscription and the resource group in which you want to create the vault.
Subscription *
Azure for Students
Resource group *
(New) vaultgroup
Create new
Instance Details
Vault name *
vault1
Region *
Central India
Cross Subcription Restore is enabled by default for all vaults. Visit vault 'Properties' to disable the same. Learn more.
Review + create
Next: Redundancy
Feedback
Summary
Basics
Subscription
Azure for Students
Resource group
vaultgroup
Vault name
vault1
Region
Central India
Redundancy
Backup Storage Redundancy
Geo-redundant
Cross Region Restore
Disable
Vault properties
Immutability
Disabled
Networking
Connectivity method
Allow public access from all networks
Create
Previous: Tags
Feedback
Download a template for automation



Backup Goal

The storage replication is set to Geo-Redundant. This option cannot be changed later. Before proceeding further, click here. →

Where is your workload running?

Azure

What do you want to backup?

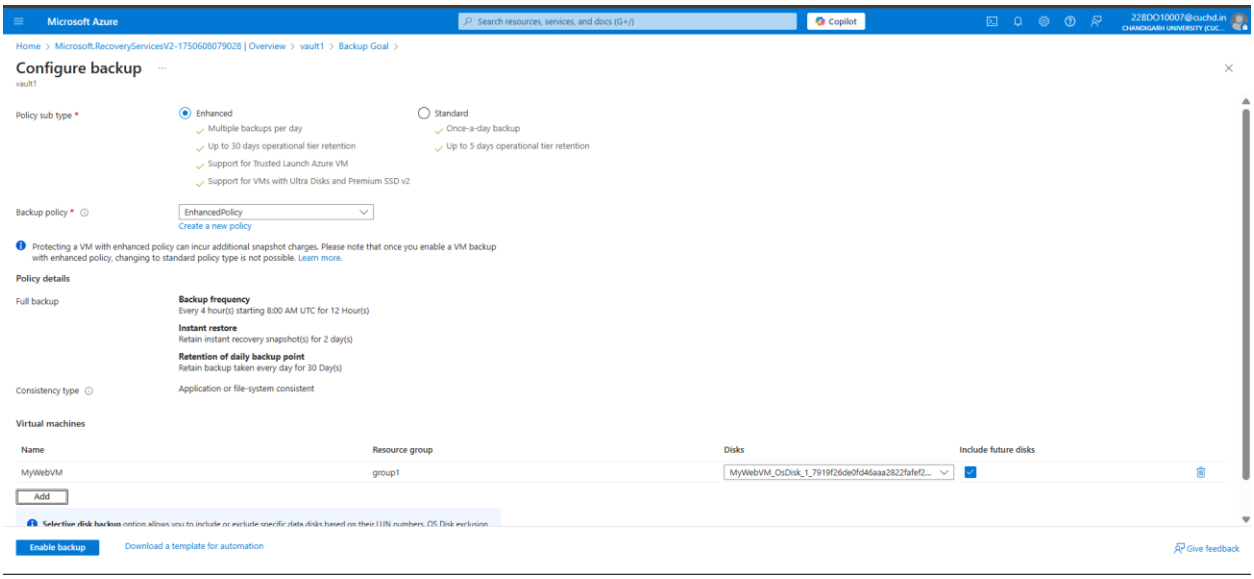
Virtual machine

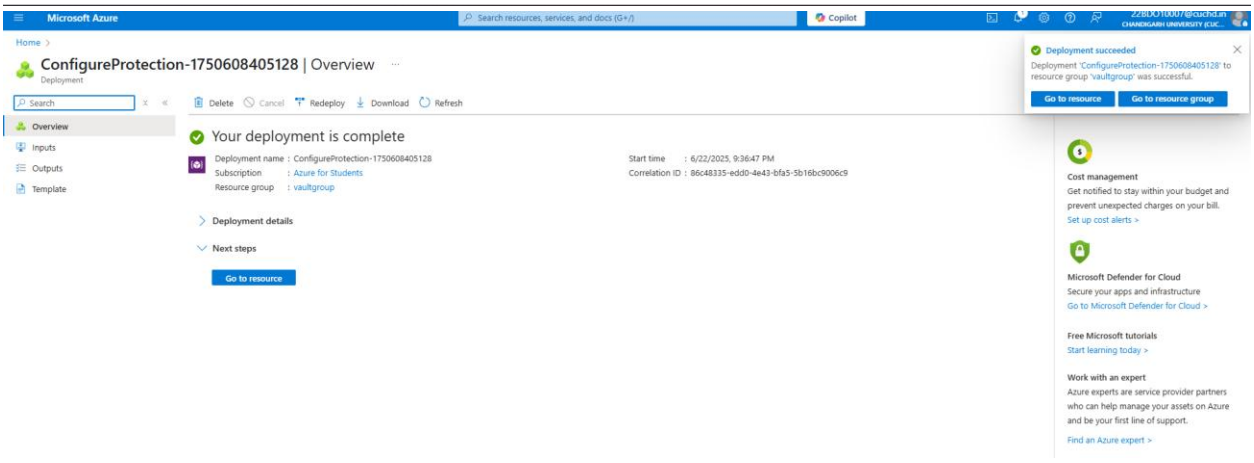
Step: Configure Backup

Backup

Give feedback

Help improve this page


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Microsoft.RecoveryServicesV2-1750608079028 | Overview > vault1 > Backup Goal >
Configure backup
vault1
Policy sub type *
Enhanced
Multiple backups per day
Up to 30 days operational tier retention
Support for Trusted Launch Azure VM
Support for VMs with Ultra Disks and Premium SSD v2
Standard
Once-a-day backup
Up to 5 days operational tier retention
Backup policy *
EnhancedPolicy
Create a new policy
Protecting a VM with enhanced policy can incur additional snapshot charges. Please note that once you enable a VM backup with enhanced policy, changing to standard policy type is not possible. Learn more.
Policy details
Full backup
Backup frequency
Every 4 hour(s) starting 8:00 AM UTC for 12 Hour(s)
Instant restore
Retain instant recovery snapshot(s) for 2 day(s)
Retention of daily backup point
Retain backup taken every day for 30 Day(s)
Consistency type
Application or file-system consistent
Virtual machines
Name
Resource group
Disks
Include future disks
MyWebVM
group1
MyWebVM_OsDisk_1_7919f26de0fd46aaa2822fafef2...
Add
Enable backup
Download a template for automation
Give feedback


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home >
ConfigureProtection-1750608405128 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : ConfigureProtection-1750608405128
Subscription : Azure for Students
Resource group : vaultgroup
Start time : 6/22/2025, 9:36:47 PM
Correlation ID : 86c48335-edd0-4e43-bfa5-5b16bc9006c9
Deployment details
Next steps
Go to resource
Deployment succeeded
Deployment 'ConfigureProtection-1750608405128' to resource group 'vaultgroup' was successful.
Go to resource
Go to resource group
Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
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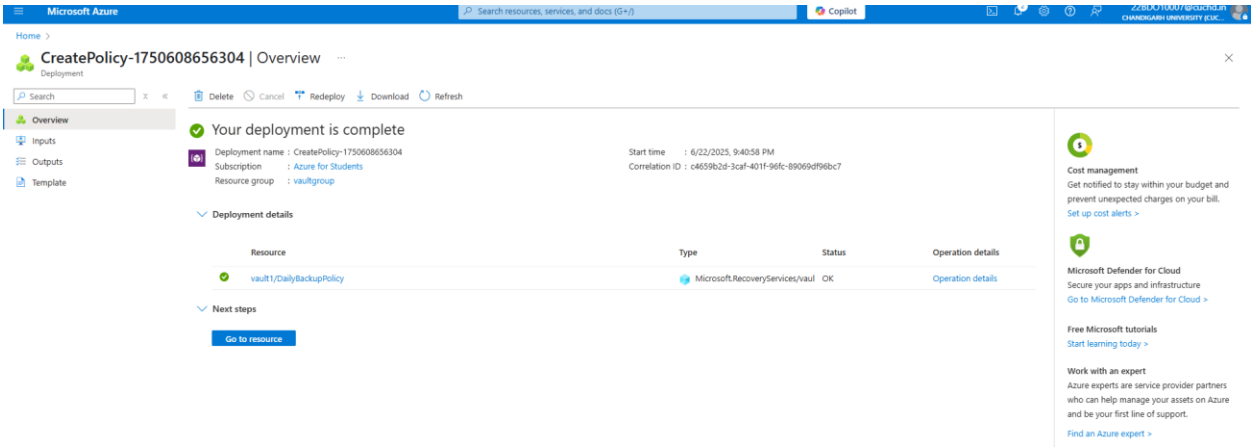
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Copilot
Home >
CreatePolicy-1750608656304 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : CreatePolicy-1750608656304
Subscription : Azure for Students
Resource group : vaultgroup
Start time : 6/22/2025, 9:40:58 PM
Correlation ID : c4659b2d-3caf-401f-96fc-89069df96bc7
Deployment details
Resource
Type
Status
Operation details
vault1/DailyBackupPolicy
Microsoft.RecoveryServices/vaul
OK
Operation details
Next steps
Go to resource
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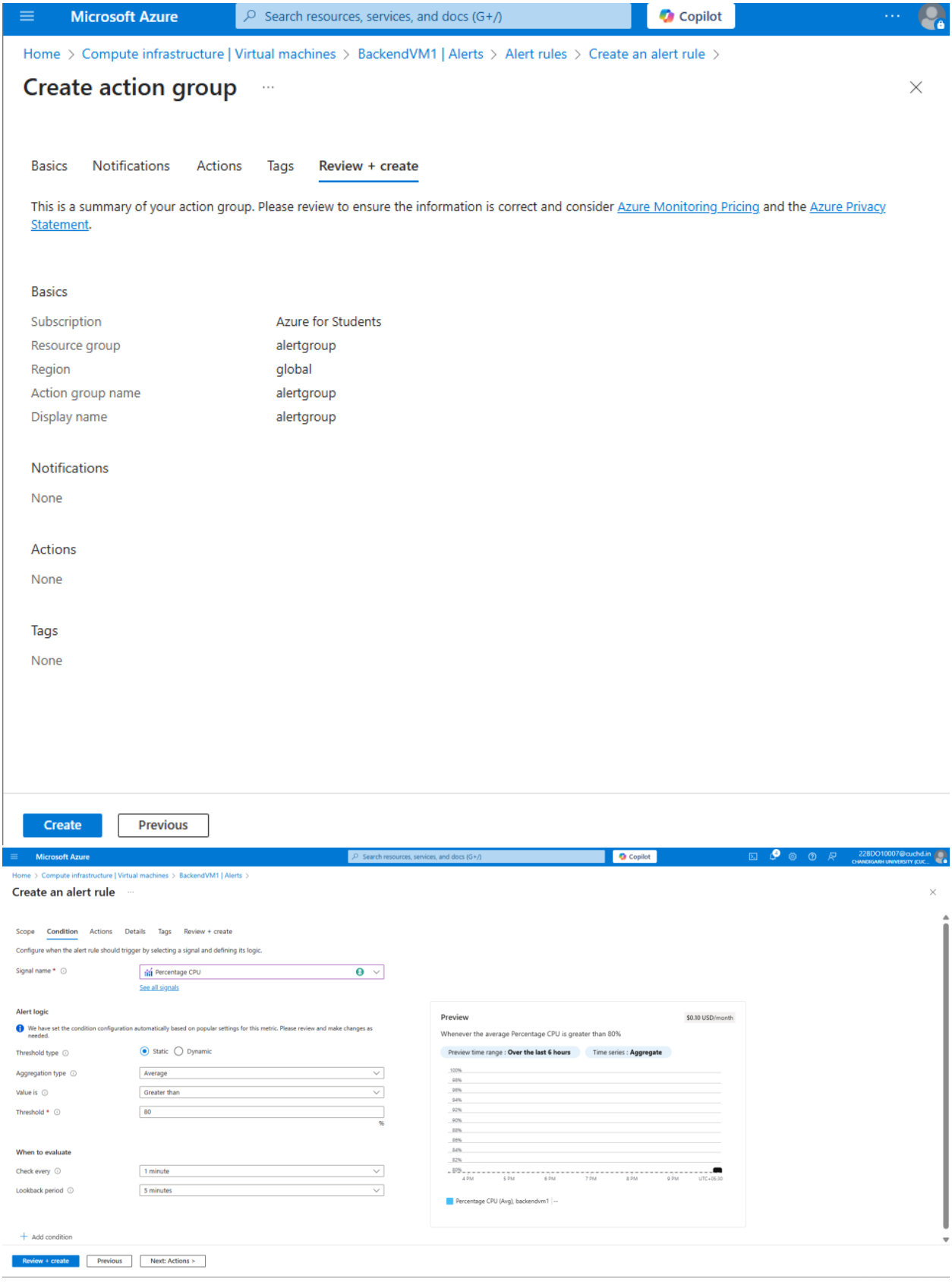
Microsoft Azure
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Copilot
Home > Compute infrastructure | Virtual machines > BackendVM1 | Alerts > Alert rules > Create an alert rule >
Create action group
Basics
Notifications
Actions
Tags
Review + create
This is a summary of your action group. Please review to ensure the information is correct and consider Azure Monitoring Pricing and the Azure Privacy Statement.
Basics
Subscription
Azure for Students
Resource group
alertgroup
Region
global
Action group name
alertgroup
Display name
alertgroup
Notifications
None
Actions
None
Tags
None
Create
Previous
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Compute infrastructure | Virtual machines > BackendVM1 | Alerts >
Create an alert rule
Scope
Condition
Actions
Details
Tags
Review + create
Configure when the alert rule should trigger by selecting a signal and defining its logic.
Signal name *
Percentage CPU
See all signals
Alert logic
We have set the condition configuration automatically based on popular settings for this metric. Please review and make changes as needed.
Threshold type
Static
Dynamic
Aggregation type
Average
Value is
Greater than
Threshold *
80
%
When to evaluate
Check every
1 minute
Lookback period
5 minutes
Preview
$0.10 USD/month
Whenever the average Percentage CPU is greater than 80%
Preview time range : Over the last 6 hours
Time series : Aggregate
4 PM
5 PM
6 PM
7 PM
8 PM
9 PM
Percentage CPU (Avg), backendvm1
Add condition
Review + create
Previous
Next: Actions >

Microsoft Azure | Search resources, services, and docs (G+/) | Copilot

Home > Compute infrastructure | Virtual machines > BackendVM1 | Alerts >

Create an alert rule

Scope

Resource	Azure for Students > Group1 > BackendVM1

Condition

Signal name	Percentage CPU
Operator	Greater than
Aggregation type	Average
Threshold value	80
Lookback period	5 minutes
Check every	1 minute

Details

Project details

Subscription	Azure for Students
Resource group	alertgroup
Region	global

Alert rule details

Alert rule name	alert
Alert rule description	
Severity	3 - Informational
Enable upon creation	☑
Automatically resolve alerts	☑

Create | Previous