Modify Load Balancer backend pool

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Overview

Platform:	Azure
Owner of this SOP:	Fully Managed POD A
Cloud Services:	Instance Management

Problem

When requesters are asking to add the additional VM on the backend pool.

tester	Reviewer
@ Ramkumar Samudram (Deactivated) - Win	
@ Asif Patel (Deactivated) - Linux	

Solution

Cloud Services operators will perform basic health checks and update the associated record as required. In most cases, the record will be an Incident Task (which may be assigned or manually created).

Pre-requisites

- The operator needs to have access to the Cloud Factory ServiceNow Dashboard. If this access is missing raise a request for Access to ServiceNow and request the group "Cloud Factory - Dashboard Access".
- Must be a member of the "Cloud Svcs- CloudOne" assignment group to work on ServiceNow tickets. As well access to the required report in this SOP. Use the same Access to ServiceNow request to gain this group if needed.
- The operator needs to be part of OperationsCloudOneAccess role in AWS & CloudOne Operator role in Azure. If this is missing raise a Manage Cloud Access request to get this custom role.

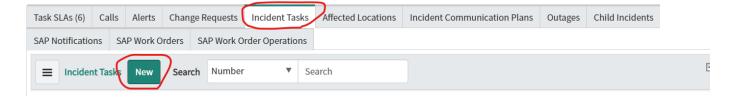
Procedure

Steps to create & manage Incident Task

Create Incident Task

Follow the below steps to create incident task. This step is required when the operator has received only an Incident.

On *Incident Tasks* Tab of the Incident ticket, click *New* and assign it to "CloudOne" team. Populate the Assignment group and Configuration item (CI). (Hint the CI is the VM on which the health check is being performed)



Steps

• Logon to Azure Portal and check the number of VMs which are running on the backend pool

Windows:

Home > Load balancing > aue1winvmlb01 > toolingdevbackendpool ...
aue1winvmlb01

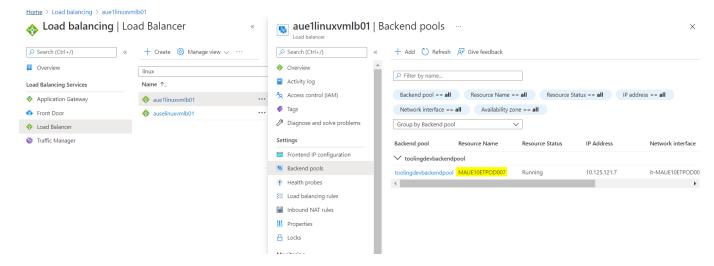
Name	toolingdevbackendpool	
Virtual network ①	it-aue1-npe-vnt-10.125.121.0 (it-aue1-npe-arg-network)	
Associated to ①	Virtual machines	~
IP Version	■ IPv4○ IPv6	

Virtual machines

You can only attach virtual machines in australiaeast that have a basic SKU public IP configuration or no public IP configuration. All virtual machines must be in the same availability set and all IP configurations must be on the same virtual network.



Linux:



• Clone the respective repo and change the required variables into .tfvars file.

Windows:

```
日にはり
✓ WINVMWITHLB
                                      winvmwithlb > env_vars > 🚏 npe.auto.tfvars
                                                      zones
∨ winvmwithlb
                                                                                                      > backend

✓ .idea

   gitignore
                                                                                              # Additional rules for subnet level access that the
                                                 nsg_rules = {}
  > doc
                                                                                              # availability zone for VM
                                                 zone
  env vars
                                                'second" = {
                                                                                                                  #VM name to be diaplayed in azure
                                                 name

✓ scripts

                                                                                 = "MAUE10ETPOD007" # VM hostname as per BHP naming convention
                                                 computer name
  apply-workspace.sh
                                                  computer_description
                                                                                 = "Test VM2 for VM with LB"
                                                                                                                         # VM HOST COMPUTER DESCRIP
   cyberark.py
                                                                                                                                    # The size/sku o
                                       80
                                                                                 = "Standard_DS1_v2"

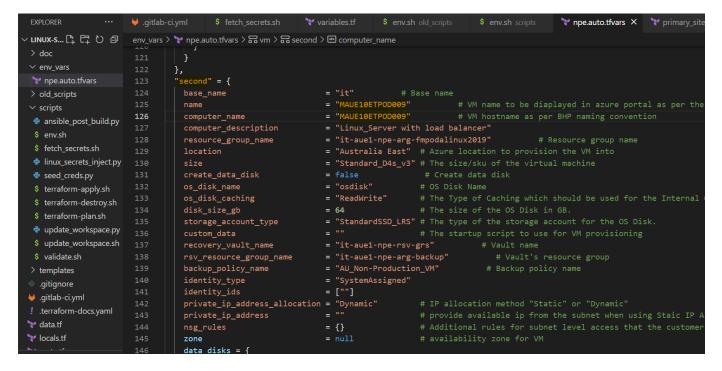
    ≡ cyberark.sh

                                                                                                                                    #The size of the
                                                 disk_size_gb
                                                                                 = 128
  env.sh
                                                  storage_account_type
                                                                                 = "StandardSSD LRS"
                                                                                                                                    # The type of th
                                                                                 = "bcpdiagaueavm"
                                                                                                                                    # The name of th
                                                  storage_account_name
  ■ fetch_secrets.sh
                                                                                 = "it-auea-cor-logs"
                                                  storage_account_rg
                                                                                                                                    # The name of th
   seed_creds.py
                                                  custom_data
                                                                                                                                    #The startup scr
  ■ terraform-apply.sh
                                                  private_ip_address_allocation = "Static"
                                                                                                                                    # IP allocation

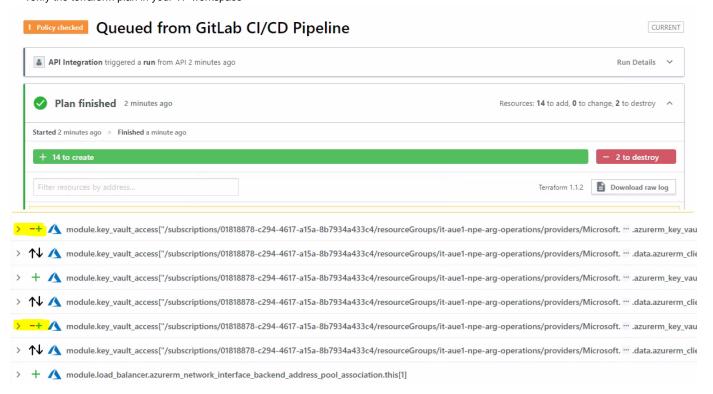
    ■ terraform-destroy.sh

                                                  private_ip_addresses
                                                                                 = ["10.125.121.16"]
                                                                                                                                   # provide availab
  terraform-plan.sh
                                                 data_disks = {
                                                    "Data" = {
   update_workspace.py
                                                                            = "data"
                                                                                             # Name of the Data disk
   update_workspace.sh
                                                      storage_account_type = "Premium_LRS" #The type of storage to use for the managed disk.
   upload_variables.py
                                                      disk_size_gb
                                                                            = 128
                                                                                             # Specifies the size of the managed disk to create in
   validate.sh
                                                                            = "ReadOnly"
                                                                                             # Specifies the caching requirements for this Data Di
                                                      caching
   win_secrets_inject.py
                                                                                             # The Logical Unit Number of the Data Disk, which nee
                                                      1un
                                                                            = 11
  > templates
                                                      zones
                                                                                             # A collection containing the availability zone to al
  ! .gitlab-ci.yml
                                                   }
    .pre-commit-config.yaml
                                                 nsg_rules = {}
                                                                                              # Additional rules for subnet level access that the
  ! .terraform-docs.yaml
                                                                                              # availability zone for VM
                                                 zone
 adata.tf
> OUTLINE
```

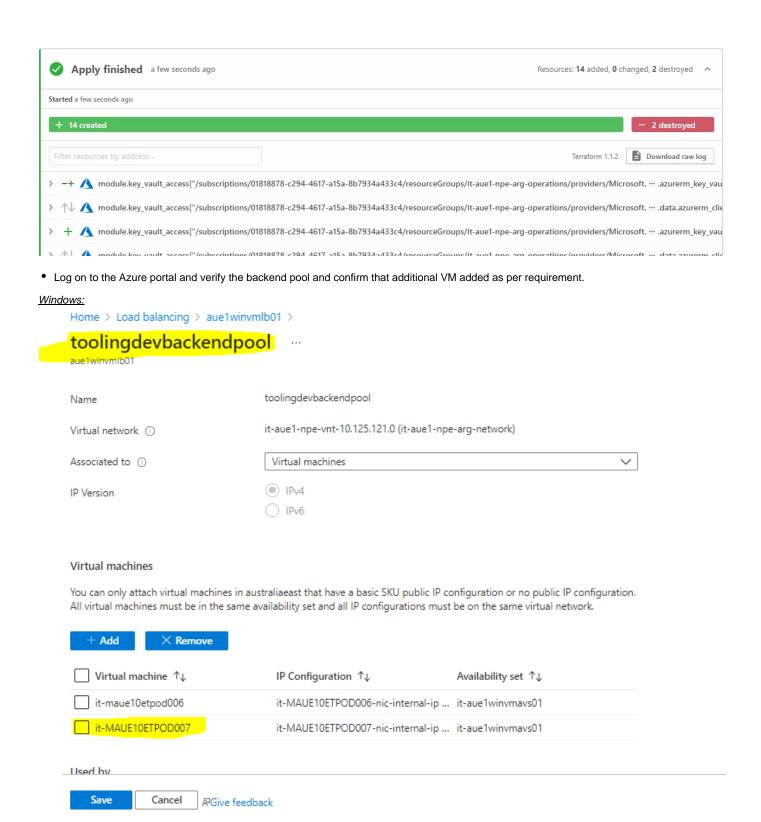
Linux:



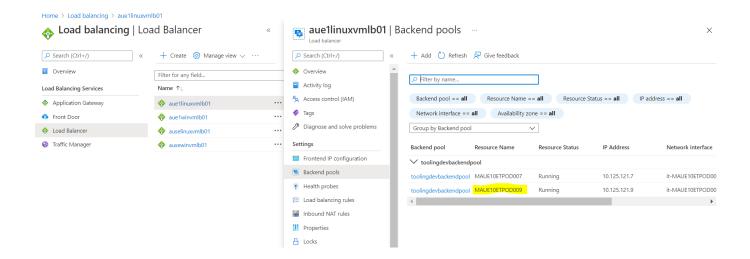
- · commit and push your changes
- verify that the pipeline executes as expected and that a terraform workspace is created and run
- verify the terraform plan in your TF workspace



if you are satisfied with the plan output, Initiate the apply stage in the pipeline



Linux:



Related articles

- AWS VPC Endpoints configuration change
- Renewal / Upload SSL certificate for existing Application
- Monitoring GitLab Access Audit Report
- Azure Storage Account Blueprint SOP BPAZR022
- Azure App Service FTP Credential Sharing and Reset Procedure