# Modify Load Balancer health probes

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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 modify the load balancer health probes.

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.

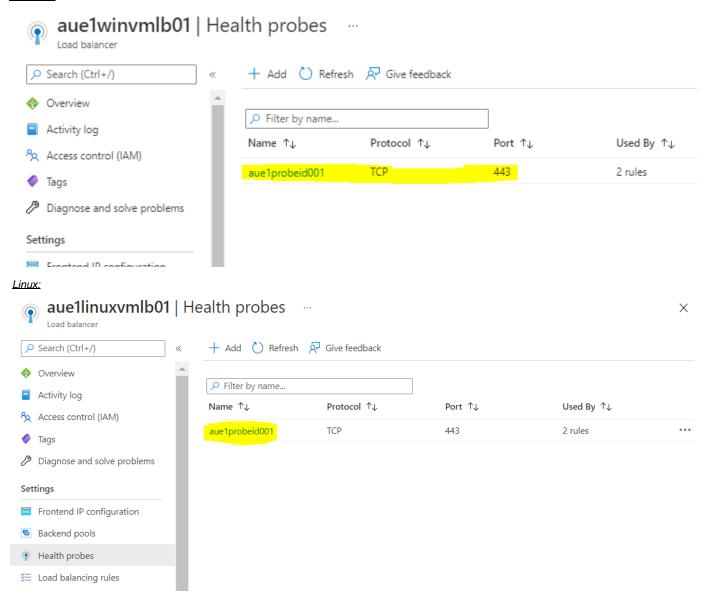
On *Incident Tasks* Tab of the Incident ticket, click *New* and assign it to "CloudOne" team. Populate the Assignment group and Configuration item (CI). (Hint the CI is the VM on which the health check is being performed)



# Steps

• Log on to Azure Portal and check the existing health probe.

### Windows:



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

#### Windows:

```
WINVMWITHLB
                                        winvmwithlb > env_vars > " npe.auto.tfvars
                                                                        = HIIPS
                                                    name
                                                                                                      ###
 winvmwithlb
                                                                        = "TCP"
                                                    protocol
                                                                                                       ###

✓ .idea

                                                    frontend_ip_name = "frontendip001"
   gitignore
                                                                        = "aue1probeid001"
                                                    probe id
  > doc
                                                  },
                                                  "RDP" = {
  env_vars
                                                    backend port
                                                                        = 3389
                                                                                                        ##
   y npe.auto.tfvars
                                  М
                                                    frontend_port
                                                                        = 3389
                                                                                                        ##
  scripts
                                                    name
                                                                        = "RDP"
                                                                                                    ### SPI
   apply-workspace.sh
                                                                        = "TCP"
                                                    protocol
                                                                                                       ###
   cyberark.py
                                                    frontend_ip_name = "frontendip001"
   ■ cyberark.sh
                                         164
                                                    probe id
                                                                        = "aue1probeid002"
   env.sh
                                                  },
   fetch_secrets.sh
   seed_creds.py
                                                lb_probe = {
   terraform-apply.sh
                                                  "tcp" = {
   ■ terraform-destroy.sh
                                                                           = "aue1probeid001"
                                                    name
   terraform-plan.sh
                                         171
                                                    protocol
                                                                          = "Tcp"
                                                                                                       ###
   update_workspace.py
                                                    port
                                                                           = "443"
                                                                                                       ###
                                                    request path
                                                                                                       ###
   update_workspace.sh
                                         174
                                                    interval_in_seconds = 15
                                                                                                       ###
   upload_variables.py
                                                    number of probes
                                                                          = 2
                                                                                                       ###
   validate.sh
                                         176
   win_secrets_inject.py
                                                   "RDP" = {
  > templates
                                                                           = "aue1probeid002"
                                         178
                                                    name
                                                                          = "Tcp"
  ! .gitlab-ci.yml
                                                    protocol
                                                                                                       ###
                                                                            "3389
                                         180
                                                    port
                                                                                                        ##
  ! .pre-commit-config.yaml
                                                    request path
                                                                                                       ###
  ! .terraform-docs.yaml
                                                    interval_in_seconds = 15
                                                                                                       ###
  ata.tf
                                                    number_of_probes
                                                                          = 2
                                                                                                       ###
> OUTLINE
> TIMELINE
```

Linux:

```
LINUX-S... [4 日 ひ 自
                                 🚏 npe.auto.tfvars > 긂 lb_probe
> doc
                         50

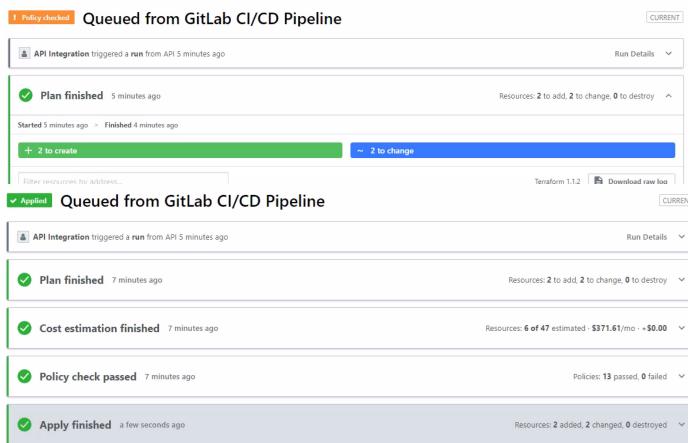
✓ env_vars

npe.auto.tfvars M
                              lb_probe = {
                                 "tcp" = {
> old_scripts
                                                        = "aue1probeid001"
                                                                                             ### SPECIFIES THE NAME O
                                   name

✓ scripts

                                                                                    ### SPECIFIES THE PROTOCOL OF TH
                                   protocol
ansible_post_build.py
                                                        = "443"
                                                                                    ### PORT ON WHICH THE PROBE QUER
                                   port
$ env.sh
                                   request path
                                                                                    ### The URI USED FOR REQUESTING
 $ fetch_secrets.sh
                                   interval_in_seconds = 15
                                                                                    ### The interval, in seconds bet
                                   number_of_probes
                                                                                    ### The number of failed probe a
linux_secrets_inject.py
                                                        = 2
                                },
                         60
seed_creds.py
                                 "tcp_1" = {
 $ terraform-apply.sh
                                                        = "aue1probeid002"
                                                                                             ### SPECIFIES THE NAME O
                                   name
 $ terraform-destroy.sh
                                   protocol
 $ terraform-plan.sh
                                                        = "80"
                                                                                   ### PORT ON WHICH THE PROBE QUERI
                                   port
update_workspace.py
                                   request_path
 $ update_workspace.sh
                                   interval_in_seconds = 15
                                                                                    ### The interval, in seconds bet
                                                                                    ### The number of failed probe a
                                   number_of_probes
 $ validate.sh
> templates
```

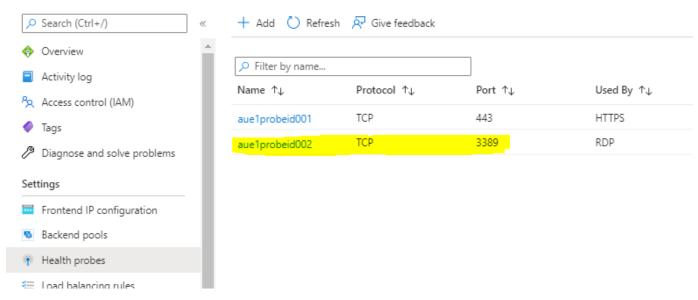
- commit and push your changes
- verify that the pipeline executes as expected and that a terraform workspace is created and run
- verify the terraform plan in your TF workspace
- if you are satisfied with the plan output, Initiate the apply stage in pipeline



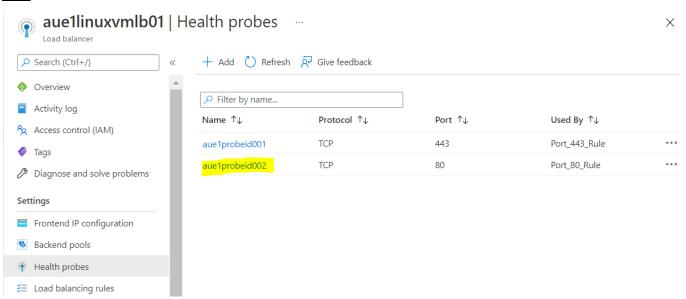
· Log on to the Azure portal and verify that whether the new port is added to the health probe as per requirement.

Windows:





#### 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