# Rightsizing Domain Joined VMs - Compute (Upsize/Downsize)

- Overview
- Problem
- Process
- Solution
- · Related articles

#### Overview

Platform:	Azure
Owner of this SOP:	Fully Managed POD A
Cloud Services:	Domain Joined Virtual Machines

# Problem

- When requesters are asking for their Domain Joined Virtual Machines to have their CPU/Memory upsized.
- For cost optimization, we downscale a VM if resources aren't fully used.

After we provision a virtual machine (VM), we can scale the VM up or down by changing the VM size. Check for the available VM size that the region supports where VM is residing. The VM restarts during this process. After the restart, existing OS and data disks are remapped. Anything on the *temporary disk* is lost.

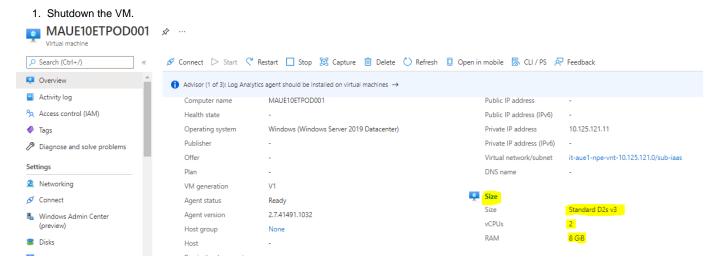
tester	Reviewer
@ Ramkumar Samudram (Deactivated)	

#### **Process**

#### **Raise a Normal Change Request**

Please open a Normal change request and get it approved before executing the resize activity. And respective stake holders and application owners should be informed prior to this activity as downtime is required for VM.

## Solution

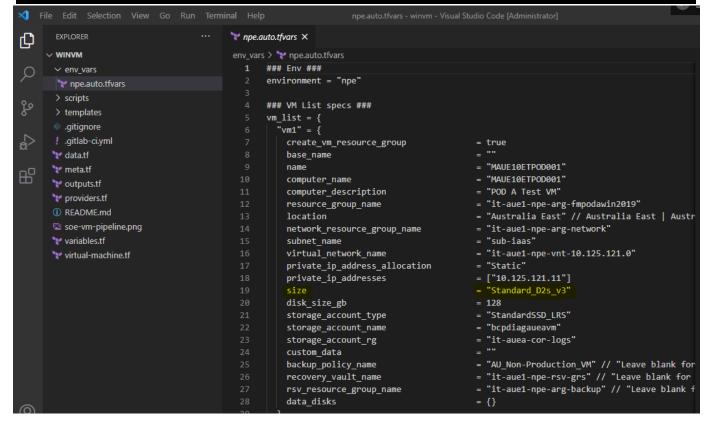


2. Logon to Gitlab and go to the respective repo.

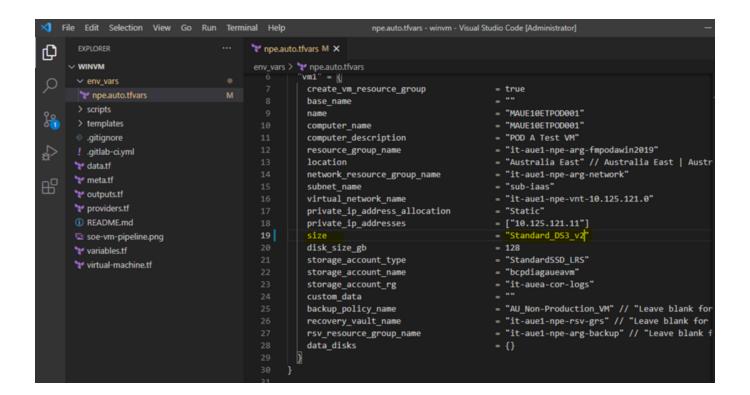
(eg: https://gitlab.com/bhp-cloudfactory/tooling-foundations/fm-sops/winvm)

3. Clone the repo to your local machine and edit using Visual Studio code

```
351515@LTIN109280 MINGW64 ~/Desktop/bhpkt/FMPODA/winVMtesting
3 git clone git@gitlab.com:bhp-cloudfactory/tooling-foundations/fm-sops/winvm.git
3 cloning into 'winvm'...
3 remote: Enumerating objects: 49, done.
3 remote: Counting objects: 100% (49/49), done.
3 remote: Compressing objects: 100% (45/45), done.
3 remote: Total 49 (delta 16), reused 0 (delta 0), pack-reused 0
3 Receiving objects: 100% (49/49), 263.80 KiB | 553.00 KiB/s, done.
3 Resolving deltas: 100% (16/16), done.
```

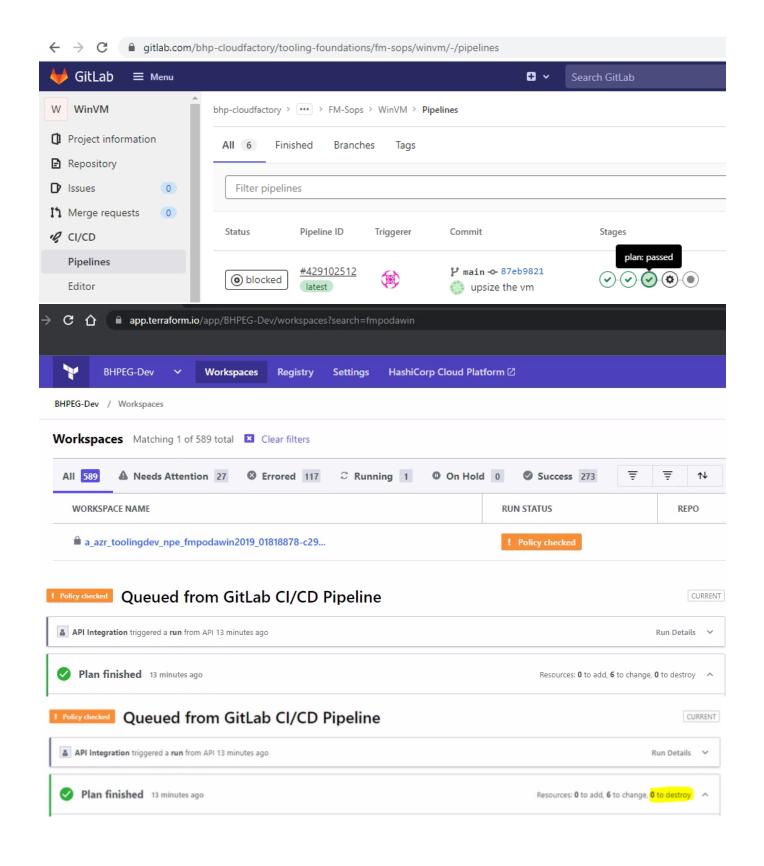


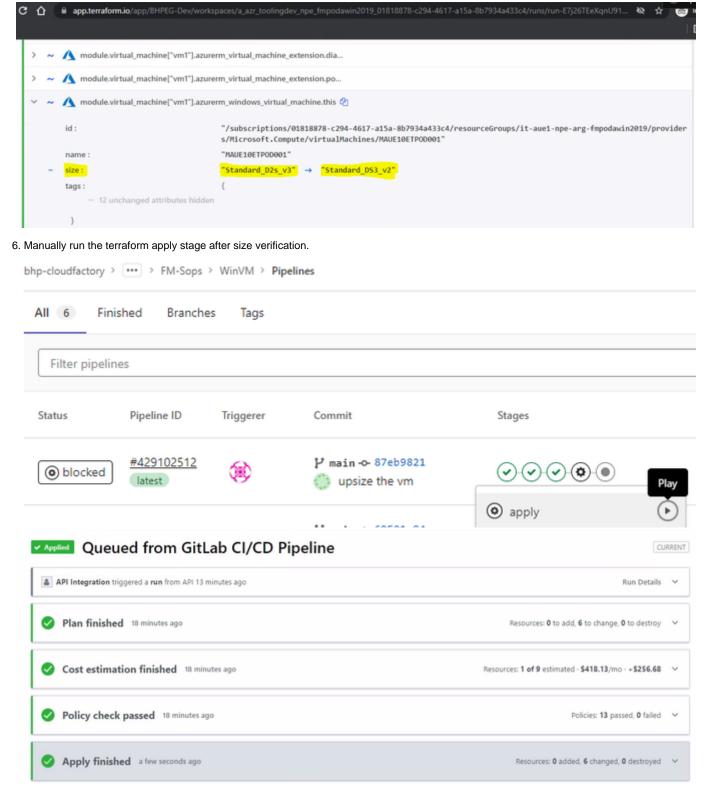
4. Change the VM size as per request and Save it. Push the code to trigger the pipeline



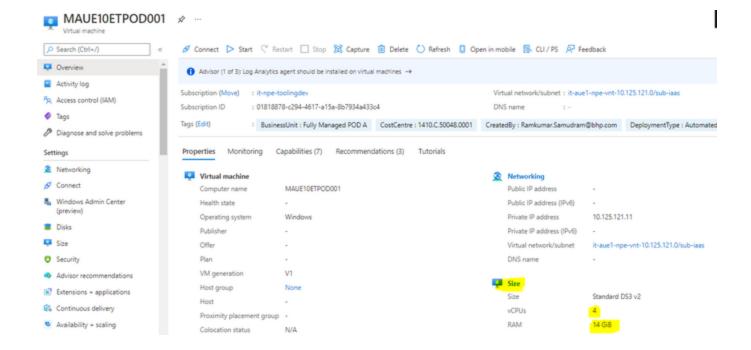
```
51515@LTIN109280 MINGW64 ~/Desktop/bhpkt/FMPODA/winVMtesting/winvm (main)
 git status
On branch main
our branch is up to date with 'origin/main'.
Changes not staged for commit:
 (use "git add <file>..." to update what will be committed)
 (use "git restore <file>..." to discard changes in working directory)
no changes added to commit (use "git add" and/or "git commit -a")
51515@LTIN109280 MINGW64 ~/Desktop/bhpkt/FMPODA/winVMtesting/winvm (main)
 git add .
51515@LTIN109280 MINGW64 ~/Desktop/bhpkt/FMPODA/winVMtesting/winvm (main)
git commit -m "upsize the vm"
main 87eb982] upsize the vm
Committer: Samudram <351515@cognizant.com>
our name and email address were configured automatically based)
on your username and hostname. Please check that they are accurate.
ou can suppress this message by setting them explicitly. Run the
ollowing command and follow the instructions in your editor to edit
our configuration file:
   git config --global --edit
After doing this, you may fix the identity used for this commit with:
   git commit --amend --reset-author
1 file changed, 1 insertion(+), 1 deletion(-)
51515@LTIN109280 MINGW64 ~/Desktop/bhpkt/FMPODA/winVMtesting/winvm (main)
git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 351 bytes | 351.00 KiB/s, done.
「otal 4 (delta 2), reused 0 (delta 0), pack-reused 0
Fo gitlab.com:bhp-cloudfactory/tooling-foundations/fm-sops/winvm.git
  69501c8..87eb982 main -> main
351515@LTIN109280 MINGW64 ~/Desktop/bhpkt/FMPODA/winVMtesting/winvm (main)
```

<sup>5.</sup> Check the respective terraform workspace once the plan stage completed in git pipeline. Check the terraform plan and confirm that NO RESOURCE IS DESTROYED and VM size is changing as per request





Need to verify the VM size in Azure portal once terraform apply is finished. Start the VM.



## Related articles

- AWS VPC Endpoints configuration change
- Monitoring GitLab Access Audit Report
- Renewal / Upload SSL certificate for existing Application
- Update the Task memory unit
- Update the Task CPU limit