Create Linux VMs behind a load balancer

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Overview

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

Problem

When requesters are asking for creating Windows VM behind the load balancer.

tester	Reviewer
@ Asif Patel (Deactivated)	

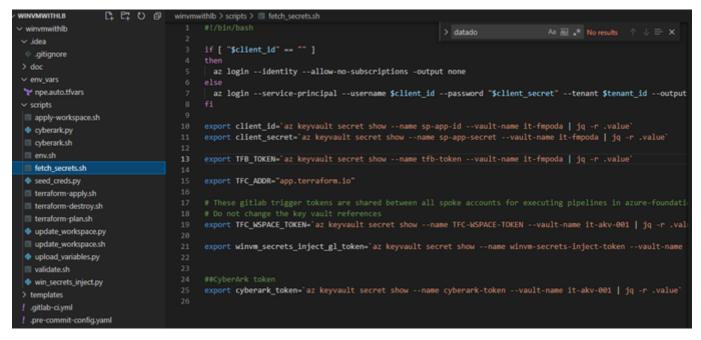
Solution

- 1. Clone the Blue Print 8 repo bhp-cloudfactory / azure-blueprints / azr-linux-single-tier · GitLab into your repository under new project e.g. Fil es · feature-origin · bhp-cloudfactory / tooling-foundations / FM-Sops / linux-singletier-with-lb · GitLab
- 2. Change all the variables in the .tfvars file as per your requirement. Please go through the blueprint Readme.md file for more details
- 3. Change the variables in the env.sh file to match your environment as shown in the below snap

```
V LINUX-S... [1 [2] [3] Ø scripts > $ env.sh
  npe.auto.tfvars
                             4 export ENVIRONMENT="npe"
5 export DOMAIN_SHORTNAME=
6
 > old scripts
                                     export DOMAIN_SHORTNAME="ent" ## Domain shortname must be in lowercase. Valid values are apac, ent and americas
  scripts
 ansible_post_build.py
                              7 # ADD VM(S) SUBSCRIPTION ID HERE
8 export SUBSCRIPTION_ID="01818878-c294-4617-a15a-8b7934a433c4"
   $ env.sh
  $ fetch_secrets.sh
  linux_secrets_inject.py
                              11 export TFB_ORG="BHPEG-Dev"
  seed_creds.py
  $ terraform-apply.sh
  $ terraform-destroy.sh
                              16 # Extracted from the device naming standard document
                              export CLOUD_SERVICE_PROVIDER="n" # 'a' for Amazon Web Service, 'm' for Microsoft Azure

18 export ASSET="it" # it (IT), bma (BMA), bmc (BMC), nswec (NSWEC), niw (Nickel West), od (Olympic Dam), waio (NAIO),
  $ update_workspace.shi
                                    # "Australia East" = "australia East"
  $ validate.sh
  > templates
                             22 # "North Central US" = "usnc" // Illinois
23 # "South Central US" = "ussc" // Texas
24 # "West US 2" = "usw2" // Washington state (seattle)
 .gitlab-ci.yml
    .terraform-docs.yaml
```

4. in fetch_secrets.sh update your key vault name in the required field



- 5. Commit and push your changes
- 6. verify that the pipeline executes as expected and that a terraform workspace is created and run



- 7. Verify the terraform plan in your TF workspace
- If you are satisfied with the plan output, Initiate the apply stage in pipeline
 a_azr_toolingdev_npe_fmpodatesting_01818878-c294-4617-a15a-8b7934a433c4

a_azr_toolingdev_npe_fmpodatesting_01818878-c294-4617-a15a-8b7934a433c4

No workspace description available.

Overview Runs States Variables Settings

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Actions

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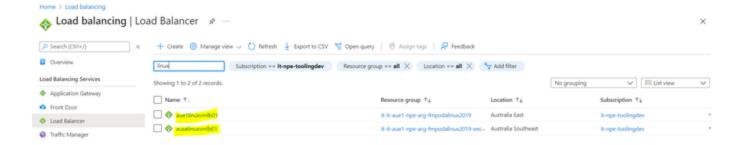
Current Run



Run List



9. Logon to the Azure portal and verify that whether the Load balancers are created as per requirement



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