Provision PaaS App Service - Pattern4 and upgrading App Service plan - size & tier

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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 Azure File share with Private Endpoint and Storage account.

tester	Reviewer
@ Senthilkumaran Gurusamypandian	

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.

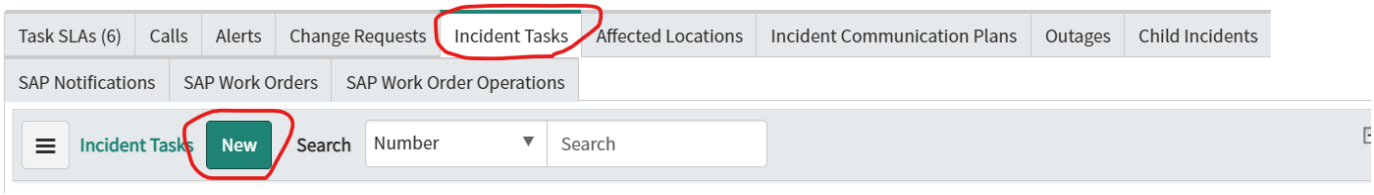
Procedure

Steps to create & manage Incident Task

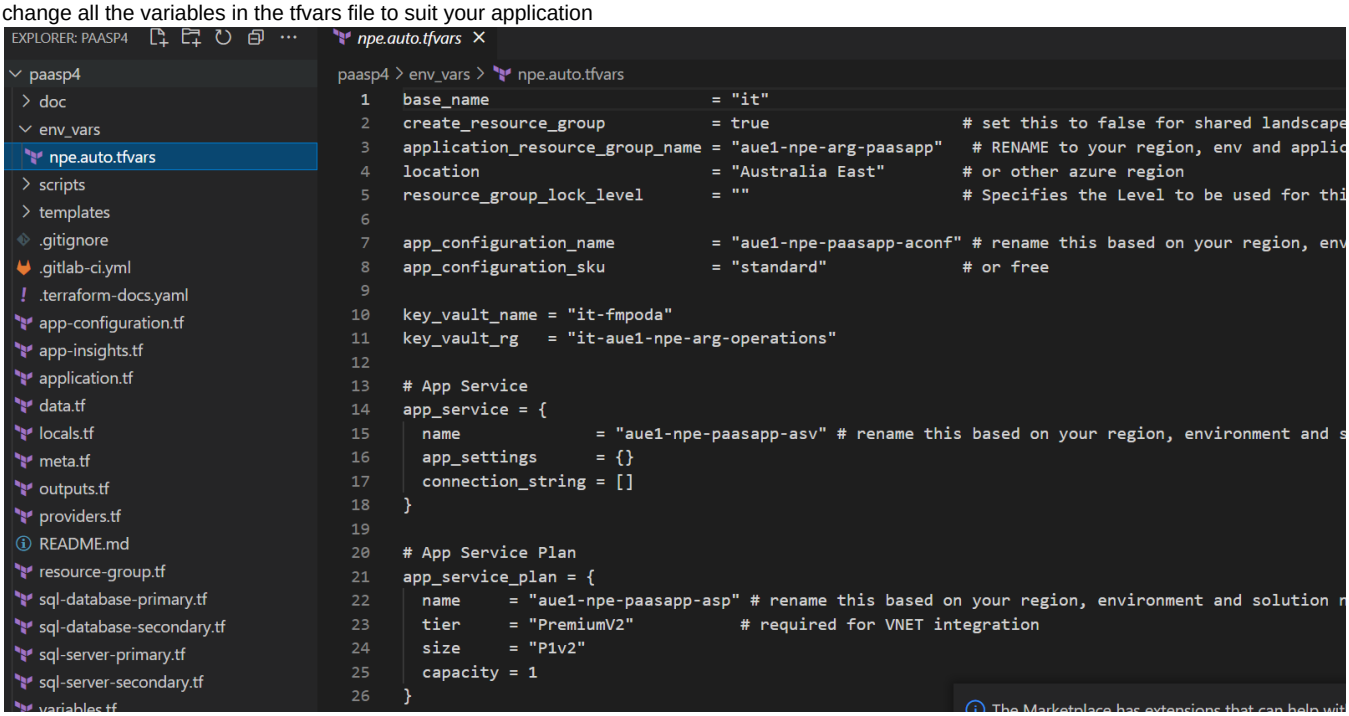
Create Incident Task

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

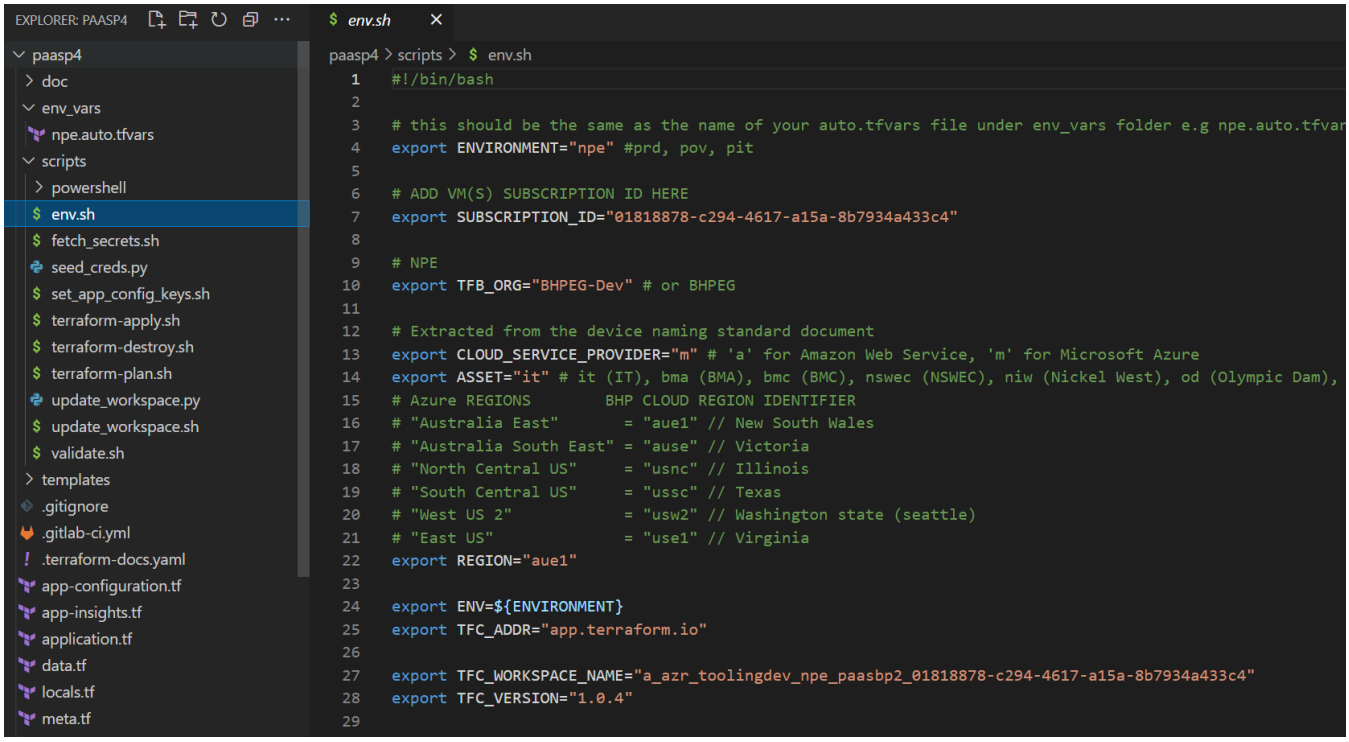
On *Incident Tasks* Tab of the Incident ticket, click *New* and assign it to “CloudOne” team. Populate the Assignment group and Configuration item (CI). (Hint the CI is the VM on which the health check is being performed)



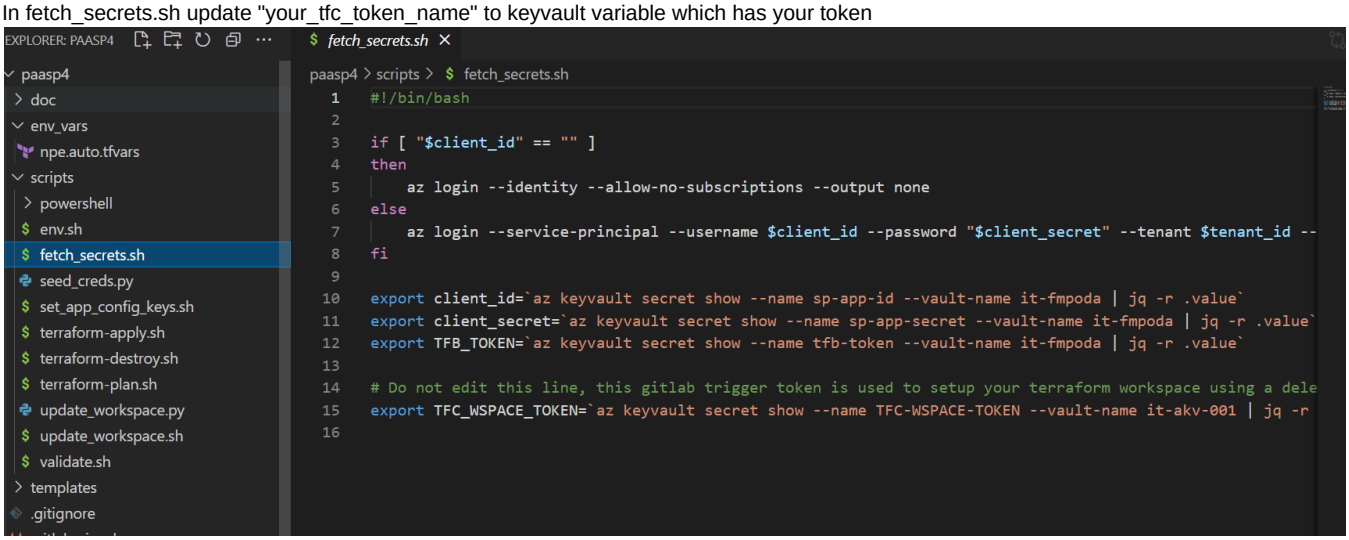
Steps

- Clone the Blue Print 10 repo "https://gitlab.com/bhp-cloudfactory/azure-blueprints/azr-paas-application-pattern-4 " into a your repository under new project e.g. https://gitlab.com/bhp-cloudfactory/tooling-foundations/fm-sops/paasp4
- change all the variables in the tfvars file to suit your application
- 

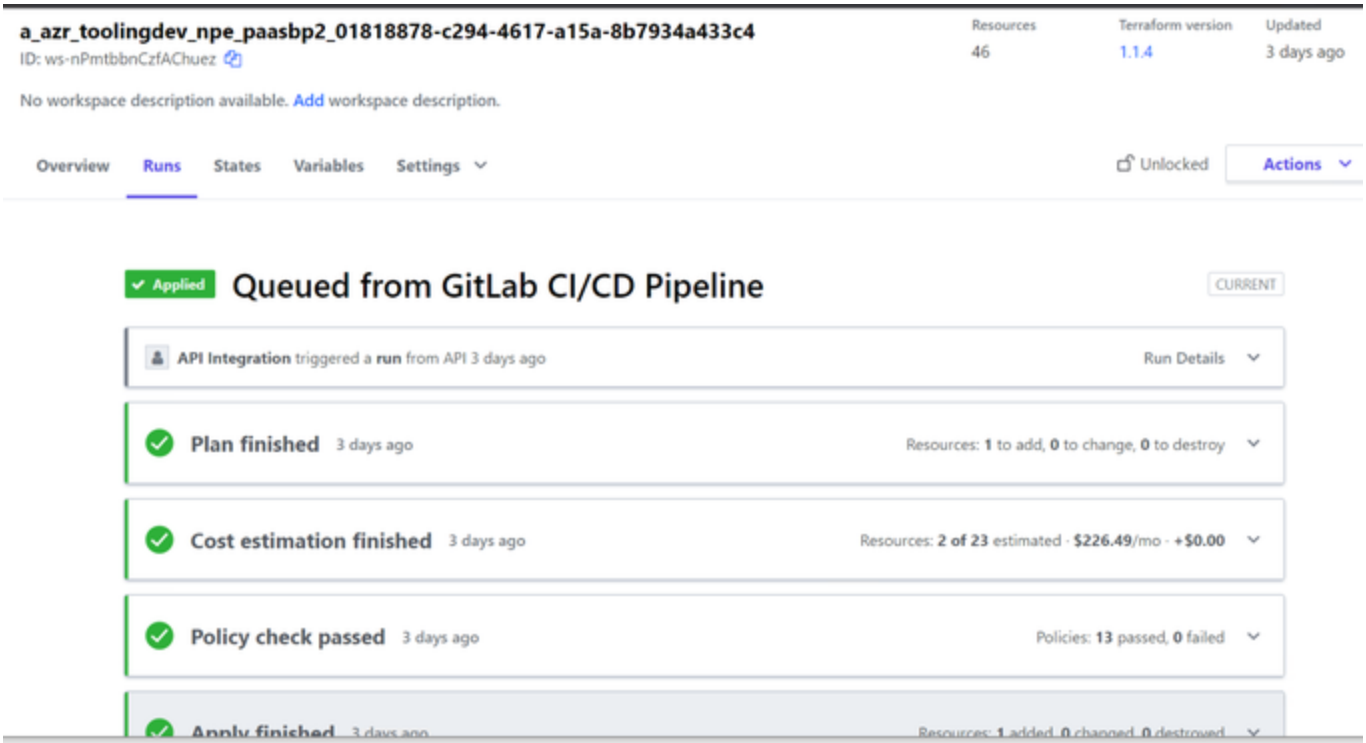
- change the variables in the env.sh file to match your environment
-

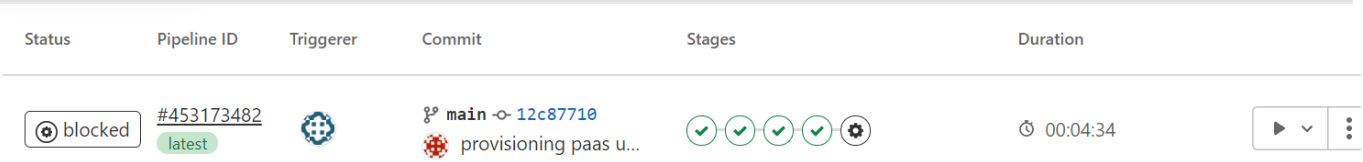


- In fetch_secrets.sh update "your_tfc_token_name" to keyvault variable which has your token

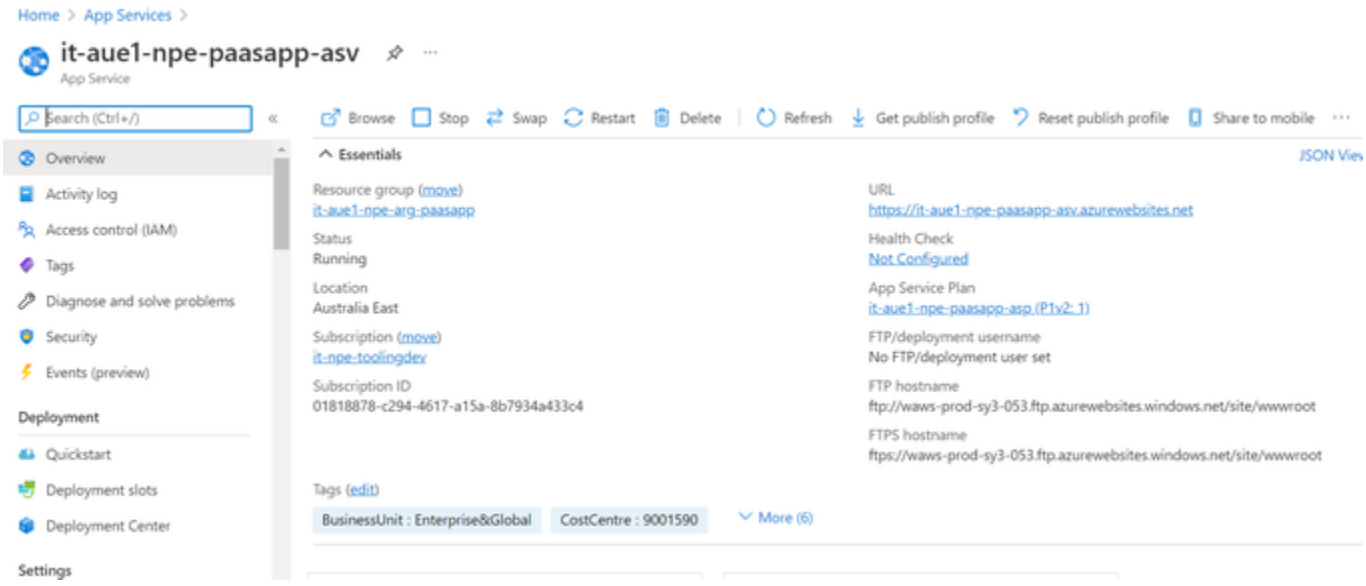


- commit and push your changes
- verify that the pipeline executes as expected and that a terraform workspace is created and run
- verify the terraform plan in your TF workspace
- if you are satisfied with the plan output, Initiate the apply stage in pipeline



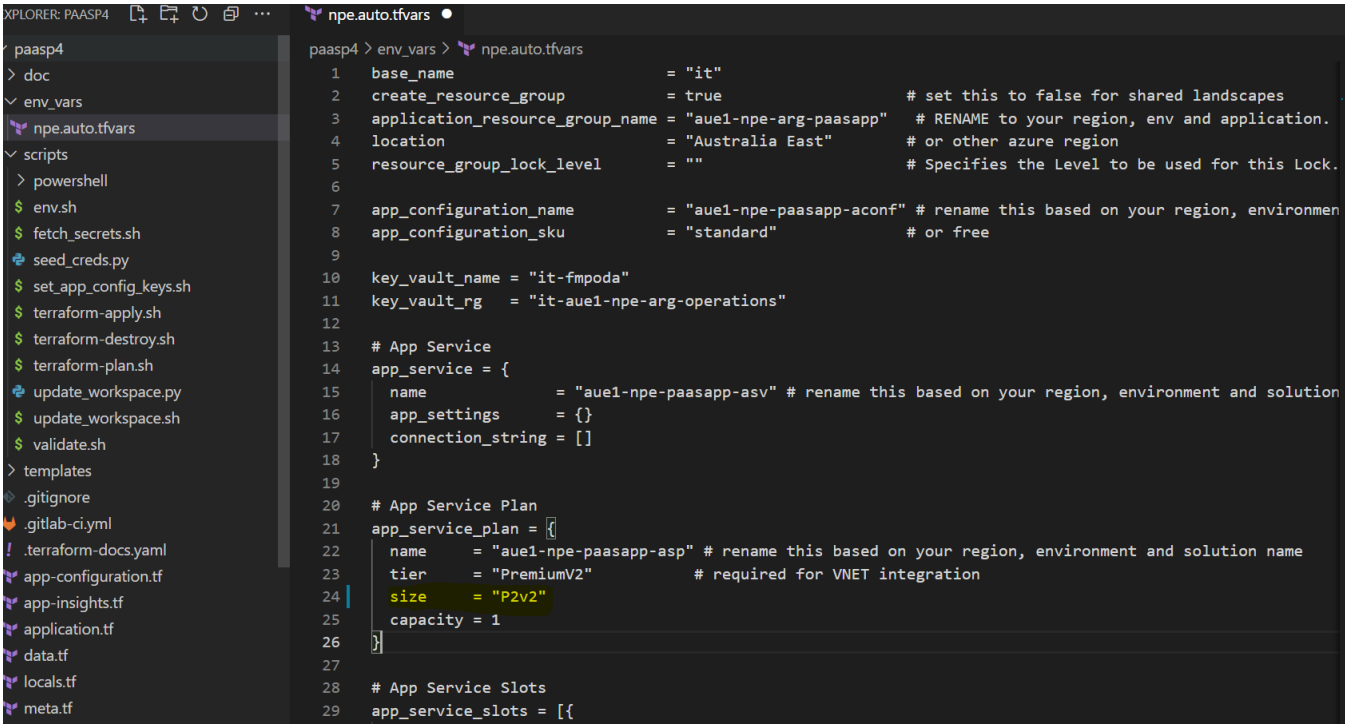


- Check and confirm whether the required App Service, App Insights ,AD application, SQL server with geo replication is created as per requirement



Updating App Service Plan - Size

- Change the value in the tfvars file
- Updating App service plan from P1V2 to P2V2
-



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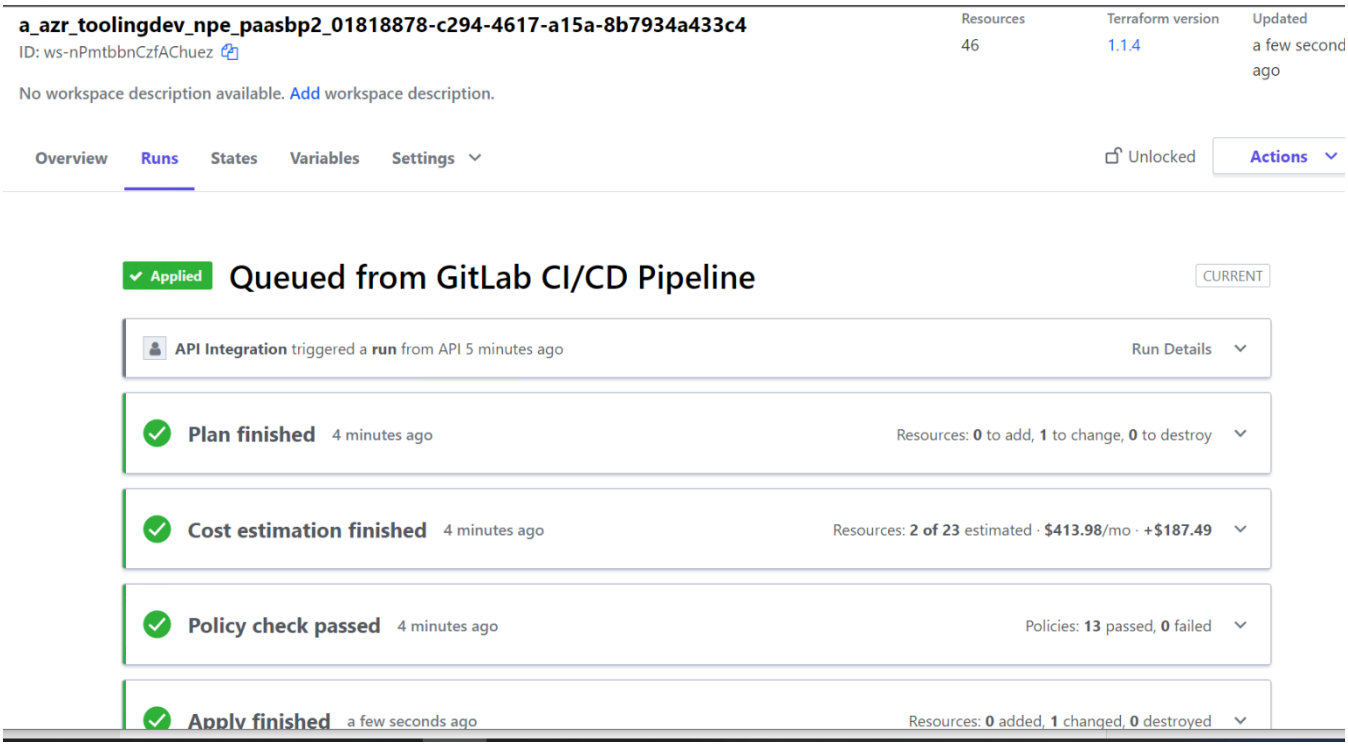
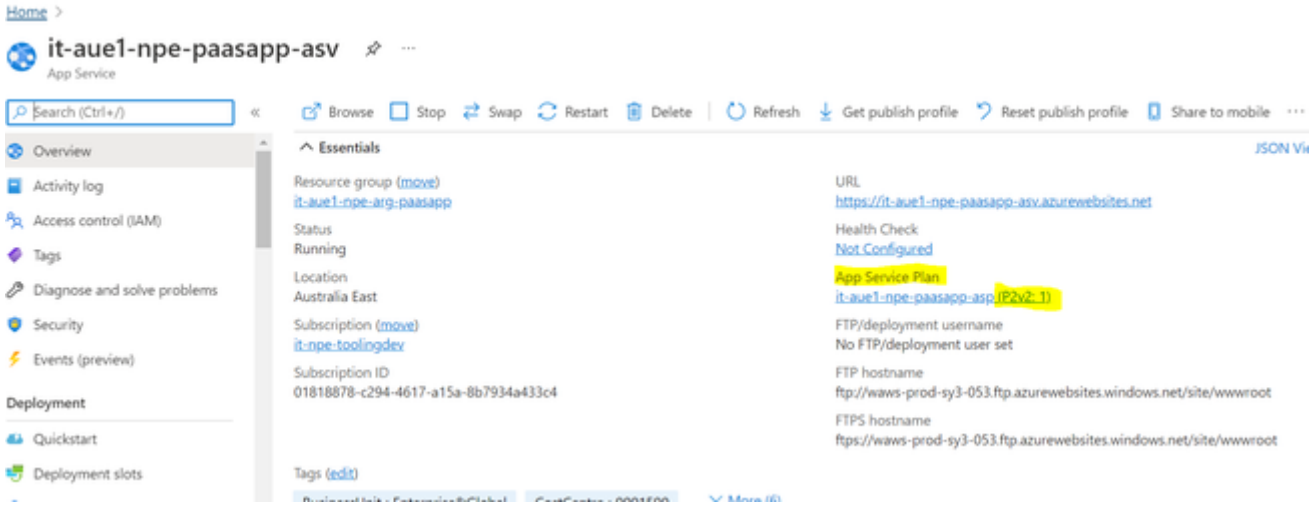
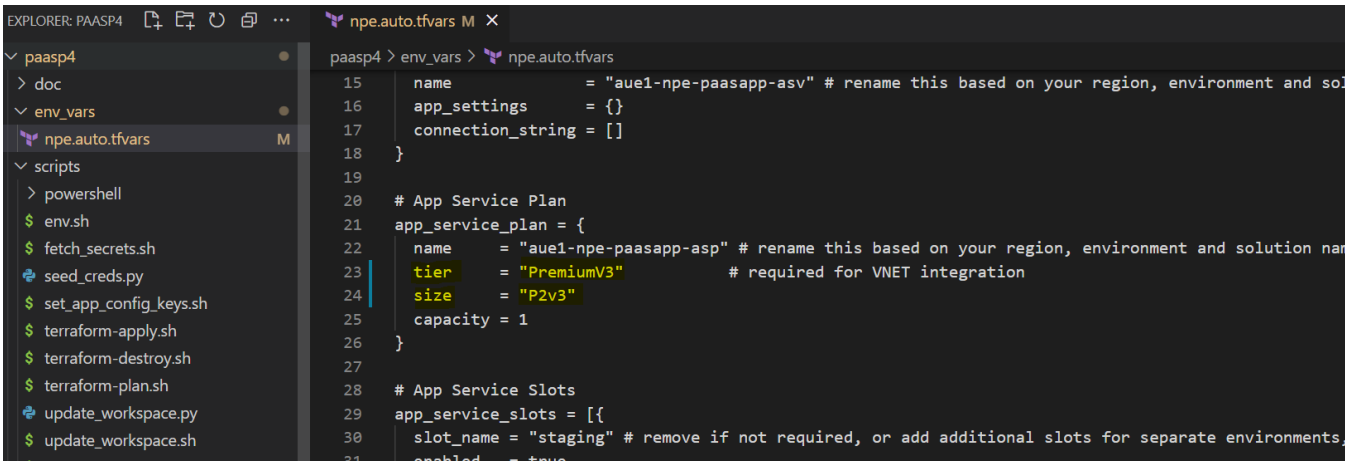


- Verify the Changes in Azure portal



Updating App Service Plan - Tier & Size

- Change the value in the tfvars file
- Updating App service plan Size from P2V2 to P2V3 and Tier from "PremiumV2" to "PremiumV3"



- commit and push your changes
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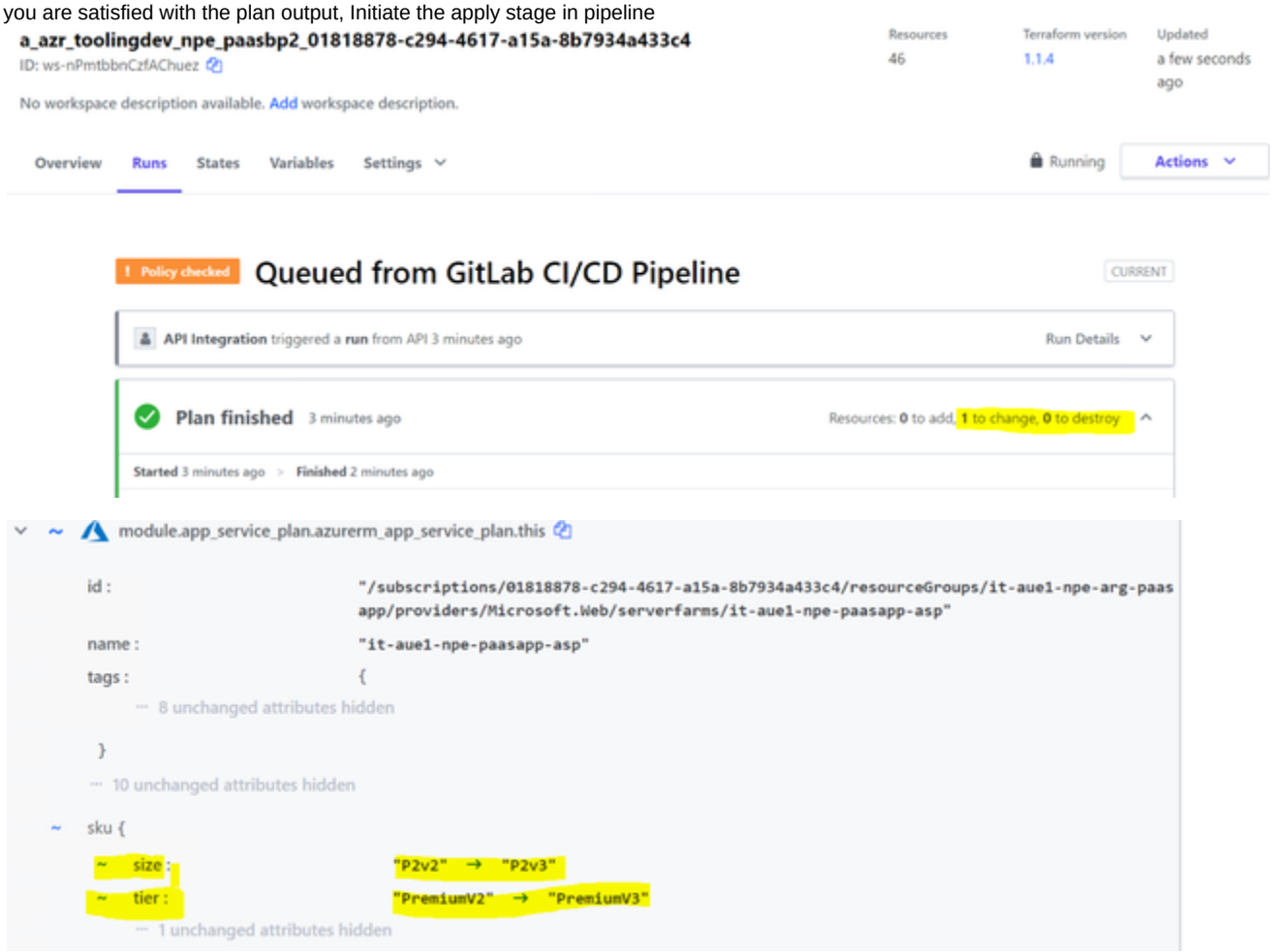
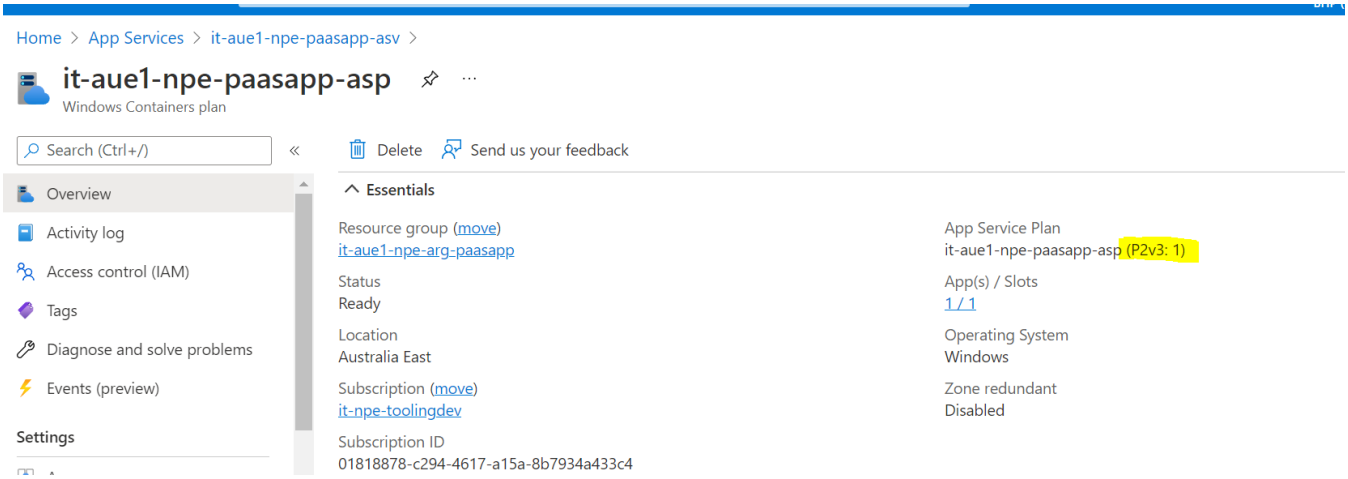
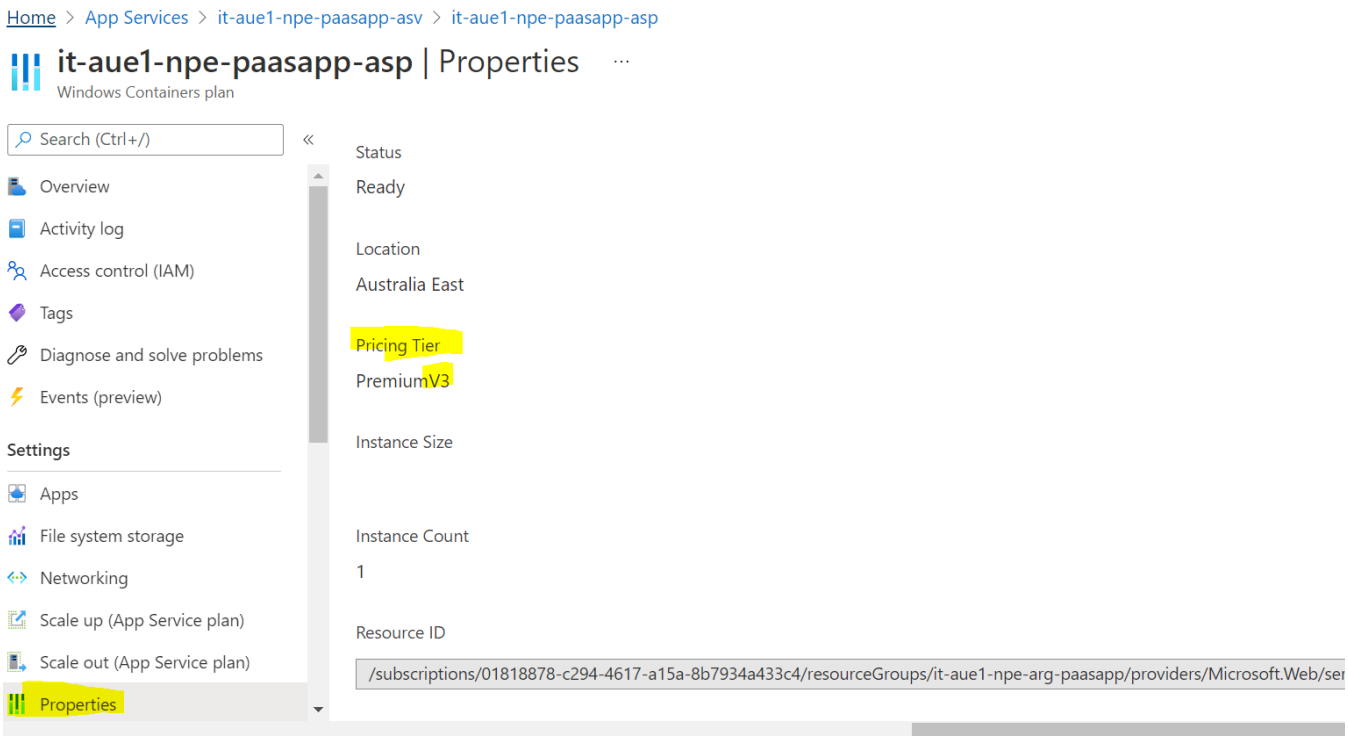
-



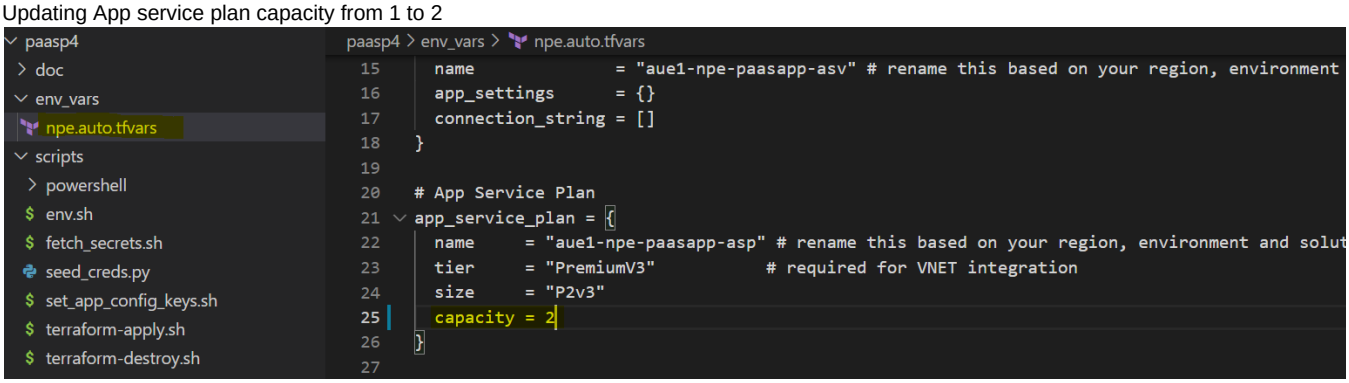
- Verify in Azure portal
-





Updating App Service Plan - capacity

- Change the value in the tfvars file
- Updating App service plan capacity from 1 to 2



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- 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_paasbp2_01818878-c294-4617-a15a-8b7934a433c4
ID: ws-nPmtbbnCzfAChuez

Resources	Terraform version	Updated
46	1.1.4	a few second ago

No workspace description available. Add workspace description.

Overview | Runs | States | Variables | Settings | Running | Actions

! Policy checked **Queued from GitLab CI/CD Pipeline** CURRENT

API Integration triggered a **run** from API 2 minutes ago — Run Details

Plan finished 2 minutes ago — Resources: **0** to add, **1** to change, **0** to destroy

Started 2 minutes ago > **Finished** a minute ago

~ 1 to change

~ module.app_service_plan.azurerm_app_service_plan.this

```
id :                "/subscriptions/01818878-c294-4617-a15a-8b7934a433c4/resourceGroups/it-aue1-npe-arg-paas
                    app/providers/Microsoft.Web/serverfarms/it-aue1-npe-paasapp-asp"
name :              "it-aue1-npe-paasapp-asp"
tags :              {
    ... 8 unchanged attributes hidden
}
... 10 unchanged attributes hidden
~ sku {
    ~ capacity :    1 -> 2
    ... 2 unchanged attributes hidden
}
```

- Verify in Azure portal
-

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

Home > it-aue1-npe-paasapp-asp

it-aue1-npe-paasapp-asp | Properties
Windows Containers plan

Search (Ctrl+/)

- Scale up (App Service plan)
- Scale out (App Service plan)
- Properties
- Locks

Monitoring

- Alerts
- Metrics
- Logs
- Diagnostic settings

Automation

- Tasks (preview)

Status
Ready

Location
Australia East

Pricing Tier
PremiumV3

Instance Size

Instance Count
2

Resource ID
/subscriptions/01818878-c294-4617-a15a-8b7934a433c4/resourceGroups/it-aue1-npe-arg-paasapp/providers/Microsoft.Web/serverfarms/it-

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