## FileShare Blueprint SOP -BPAZR010

- Overview
- Problem
- Prerequisites
- Solution



Platform:	Azure
Owner of this SOP:	Fully Managed POD A
Cloud Services:	File share Provisioning



When requesters are asking for creating Azure File share with Private Endpoint and Storage account.

tester	Reviewer
@ Rajesh Chouhan	

## Prerequisites

- 1. Install VS Code
- 2. Access to Terraform workspace and azure portal

## Solution

 Clone the Blue Print 10 repo "https://gitlab.com/bhp-cloudfactory/azure-blueprints/azr-file-share" into a your repository under new project e.g. https://gitlab.com/bhp-cloudfactory/tooling-foundations/fm-sops/newcomp/bpazr-010-azr-file-share

Change all the variables in the tfvars file to suit your application Ш rpe.auto.tfvars • \$ env.sh V TF WORKSPACE bpazr-010-azr-file-share > env vars > \*\*\* npe.auto.tfvars > ... ∨ bpazr-010-azr-file-share ✓ env\_vars rpe.auto.tfvars 5 resource\_group\_name create\_resource\_group resource\_group\_lock\_level = " = "Australia East" = "Standard" # Account tier 8 location \$ fetch secrets.sh account\_tier \$ file\_share.sh account\_replication\_type = "LRS" # Replication type
enable\_azure\_files\_ad\_auth = true ## Set true if ad authentication for the File share needs to be enabled. set\_storage\_feature\_flag.py directory\_type
domain\_guid = "AD" # The directory service used, possible values are AADDS and AD
= "7d851265-2d75-4385-9609-df9157b3e7f6" # Specifies the domain GUID \$ set\_storage\_feature\_flag.sh = "ent.bhpbilliton.net" # Specifies the primary domain that the AD DNS server is authorita = "S-1-5-21-1427962766-63821886-607533713" # Specifies the security identifier (SID) storage\_ad\_join.py domain name domain\_sid \$ storage\_ad\_join.sh forest\_name \$ terraform-apply.sh netbios\_domain\_name \$ terraform-destroy.sh = "/subscriptions/01818878-c294-4617-a15a-8b7934a433c4/resourceGroups/it-aue1-npe-arg-operate storageid log dest update\_workspace.py \$ update\_workspace.sh key\_vault\_name = "it-fmpoda"
key\_vault\_rg = "it-aue1-npe-arg-operations" > templates .gitignore 🦊 .gitlab-ci.yml storage\_endpoint\_subnet = { ! .terraform-docs.yaml name = "sub-iaas"
resource\_group\_name = "it-aue1-npe-arg-network"
virtual\_network\_name = "it-aue1-npe-vnt-10.125.121.0" "≥" data.tf > OUTLINE > TERRAFORM PROVIDERS > TERRAFORM MODULE CALLS Ln 35, Col 1 Spaces: 2 UTF-8 LF terraform-vars 🔊

Change the variables in the env.sh file to match your environment

```
∨ bpazr-010-azr-file-share
                                  4 export ENVIRONMENT="npe
  > doc
                                       export SUBSCRIPTION_ID="01818878-c294-4617-a15a-8b7934a433c4" #Toolingdev- subscription

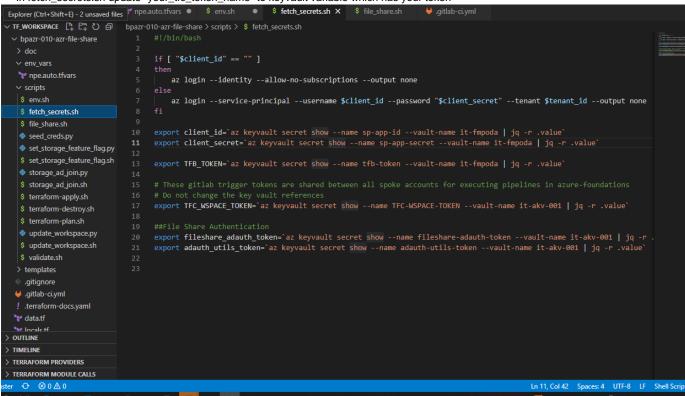
✓ env_vars

  rpe.auto.tfvars

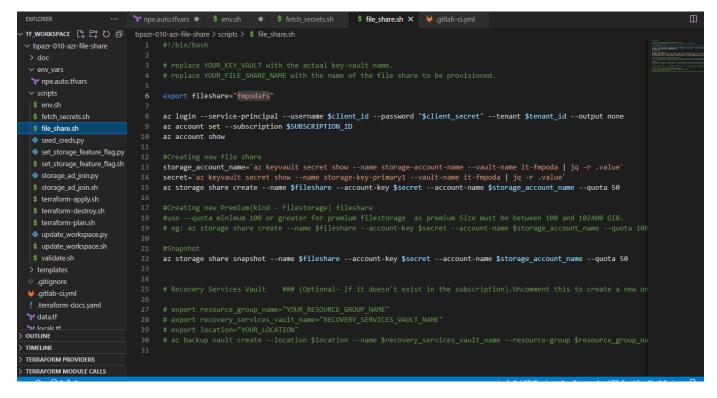
✓ scripts

                                       export TFB ORG="BHPEG-Dev"
   $ env.sh
                                                                    ow and comment the above for a prod workspace
   $ fetch_secrets.sh
                                      export CLOUD_SERVICE_PROVIDER="m" # 'a' for Amazon Web Service, 'm' for Microsoft Azure
export ASSET="it" # it (IT), bma (BMA), bmc (BMC), nswec (NSWEC), niw (Nickel West), od (Olympic Dam), waio (WAIO), me
   seed creds.pv
   set_storage_feature_flag.py
   storage_ad_join.py
                                       export ENV=${ENVIRONMENT}
   $ storage ad join.sh
                                      export TFC ADDR="app.terraform.io"
   $ terraform-apply.sh
                                       export TFC_WORKSPACE_NAME="a_azr_toolingdev_npe_testingwspoda_01818878-c294-4617-a15a-8b7934a433c4"
                                       export TFC VERSION="1.0.3
   $ terraform-plan.sh
   update workspace.py
                                       STORAGE_ACCOUNT_NAME="toolingst2"
   $ update_workspace.sh
                                       RESOURCE_GROUP_NAME="it-aue1-npe-arg-operations"
export ENABLE_AD_AUTH=true # Set to true if Active Directory Authentication is required for File Shares
  > templates
                                       if [ "$ENABLE_AD_AUTH" == true ]
   .gitignore
  export STORAGE_ACCOUNT_NAME="it1"$STORAGE_ACCOUNT_NAME
  ! .terraform-docs.yaml
                                            export RESOURCE GROUP NAME=$RESOURCE GROUP NAME
  ata.tf
                                            export STORAGE_ACCOUNT_NAME=""
> OUTLINE
                                            export RESOURCE_GROUP_NAME=""
> TIMELINE
> TERRAFORM PROVIDERS
> TERRAFORM MODULE CALLS
```

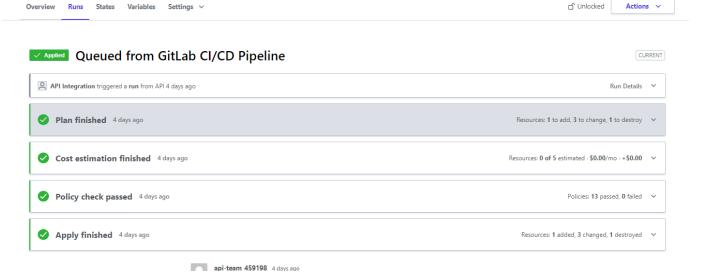
• In fetch\_secrets.sh update "your\_tfc\_token\_name" to keyvault variable which has your token



• Provide the new fileshare name and your key vault name in file\_share.sh file

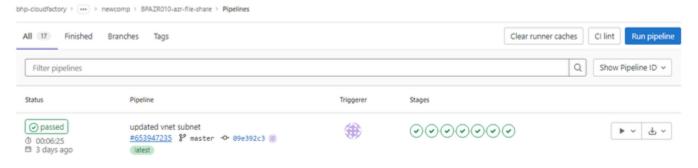


- Commit and push your changes
- Verify that the pipeline executes as expected and that a terraform workspace is created and run
- Verify the terraform plan in your TF workspace
- If you are satisfied with the plan output, initiate the apply stage in pipeline

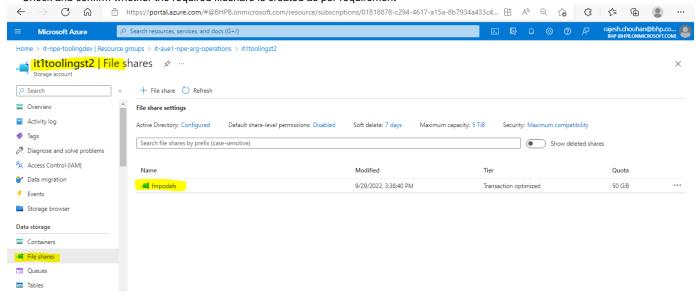


口 Unlocked

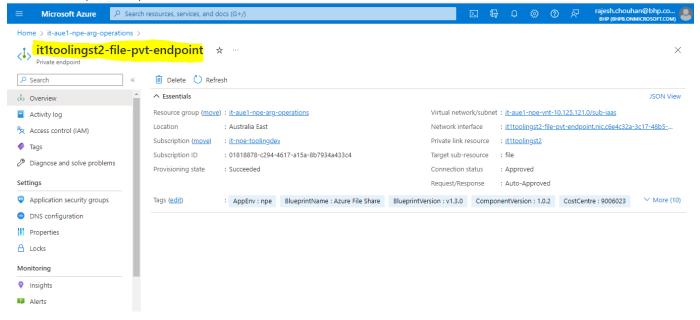
Manually start create\_share stage in pipeline after successful creation of storage account.



• Check and confirm whether the required fileshare is created as per requirement



· Check below private endpoint created.



## 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