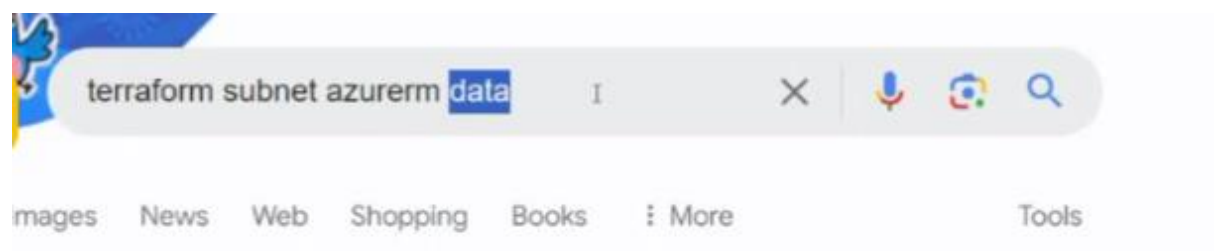
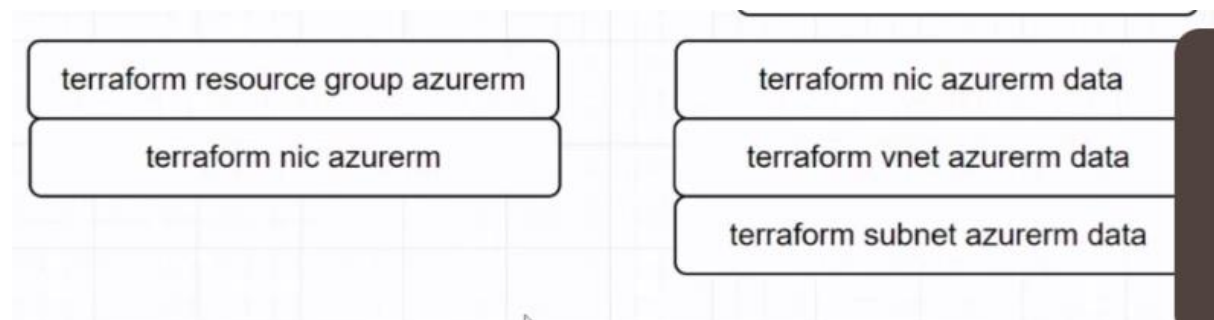
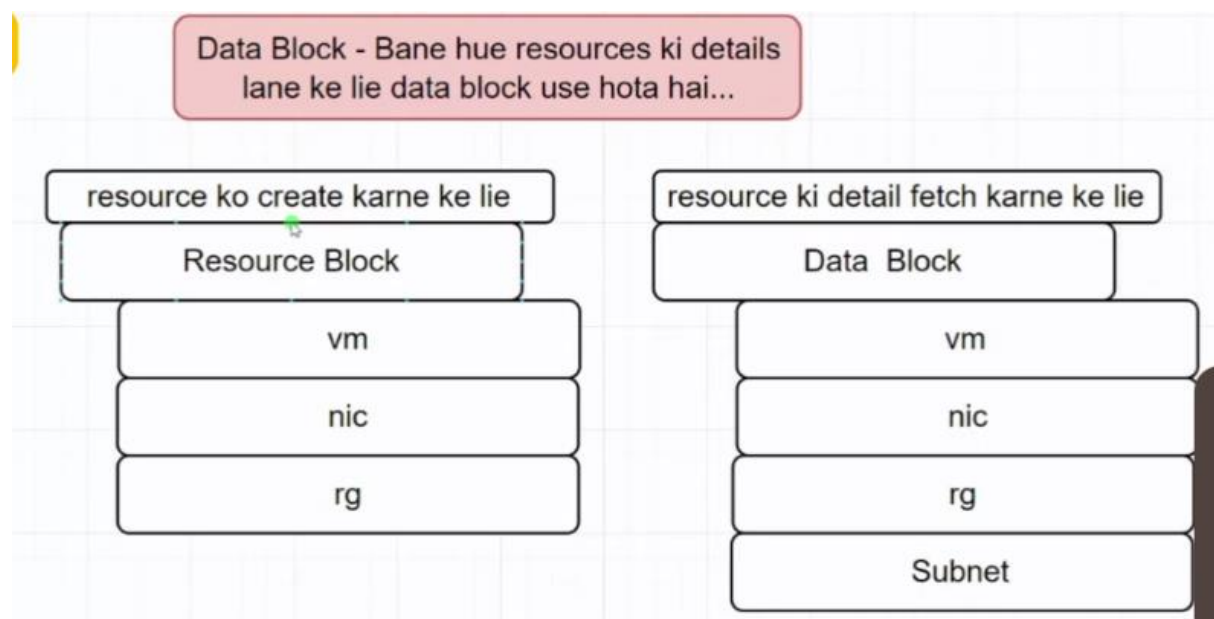
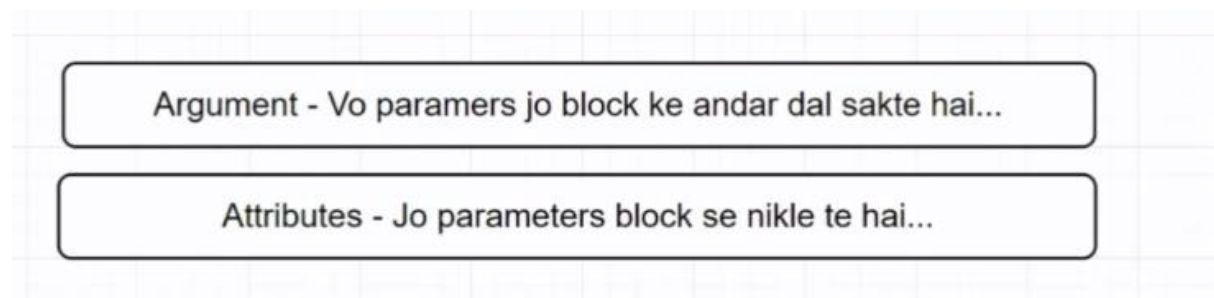


30) 11 August 2024 – AzureKeyVaultsAndDataBlocks

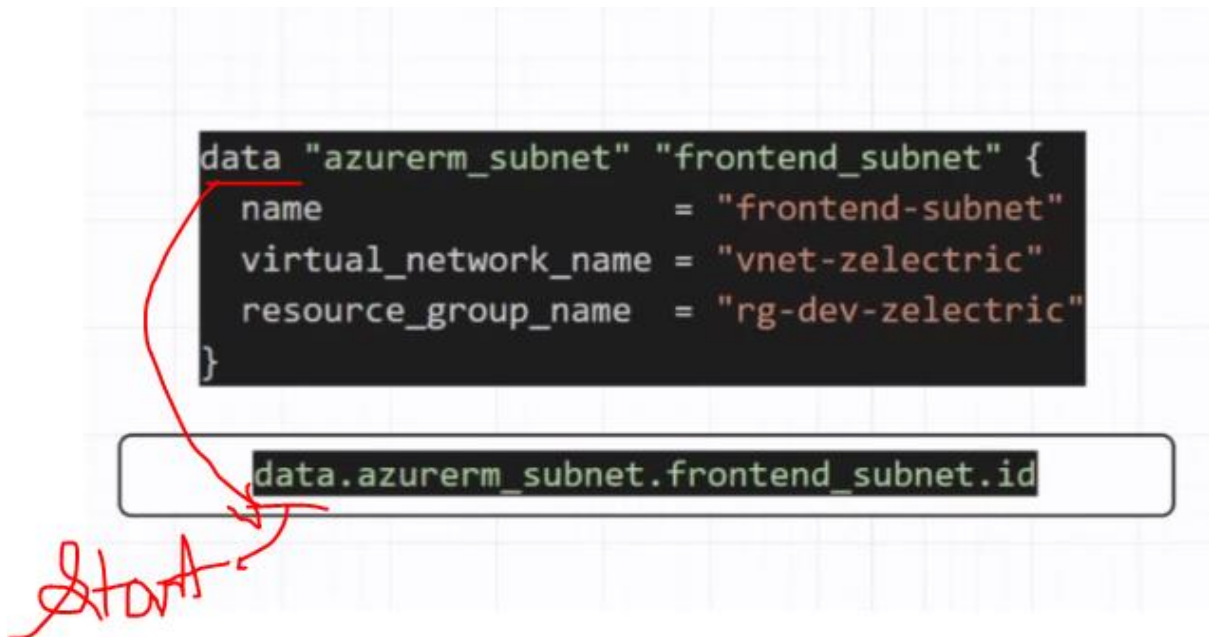
AGENDA - DATA BLOCK



registrv

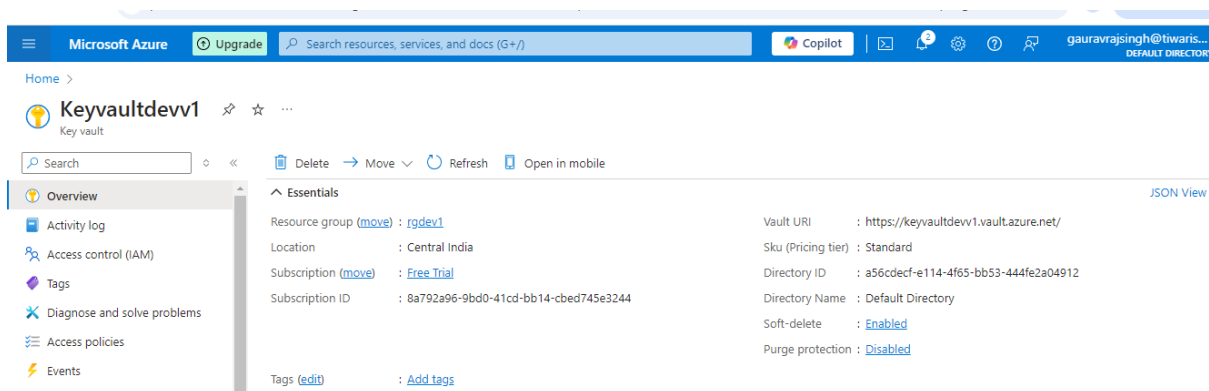


2) To use data block we will use start from data as below

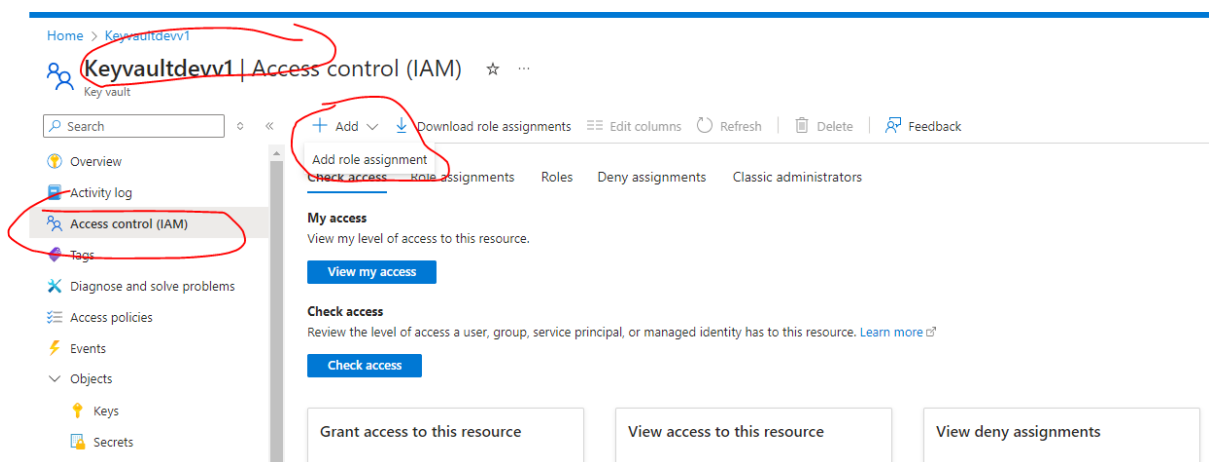


AGENDA – CREATE KEY VAULT ON PORTAL

1) Create keyvault



2) To create secret. Firstly provide access



3) Now give below role access

[Home](#) > [Keyvaultdevv1 | Access control \(IAM\)](#) >

Add role assignment ...

Key Vault Crypto Service Encryption User	Read metadata of keys and perform wrap/unwrap operations. Only works for key vaults that use the '...	BuiltInRole	Security
Key Vault Crypto Service Release User	Release keys. Only works for key vaults that use the 'Azure role-based access control' permission model.	BuiltInRole	None
Key Vault Crypto User	Perform cryptographic operations using keys. Only works for key vaults that use the 'Azure role-based...	BuiltInRole	Security
Key Vault Data Access Administrator	Manage access to Azure Key Vault by adding or removing role assignments for the Key Vault Administ...	BuiltInRole	None
Key Vault Reader	Read metadata of key vaults and its certificates, keys, and secrets. Cannot read sensitive values such as...	BuiltInRole	Security
Key Vault Secrets Officer	Perform any action on the secrets of a key vault, except manage permissions. Only works for key vault...	BuiltInRole	Security
Key Vault Secrets User	Read secret contents. Only works for key vaults that use the 'Azure role-based access control' permissi...	BuiltInRole	Security
Log Analytics Contributor	Log Analytics Contributor can read all monitoring data and edit monitoring settings. Editing monitorin...	BuiltInRole	Analytics
Log Analytics Reader	Log Analytics Reader can view and search all monitoring data as well as and view monitoring settings, ...	BuiltInRole	Analytics
Managed Application Contributor Role	Allows for creating managed application resources.	BuiltInRole	Managen
Managed Application Operator Role	Lets you read and perform actions on Managed Application resources	BuiltInRole	Managen
Managed Applications Reader	Lets you read resources in a managed app and request JIT access.	BuiltInRole	Managen
Monitoring Contributor	Can read all monitoring data and update monitoring settings.	BuiltInRole	Monitor
Monitoring Metrics Publisher	Enables publishing metrics against Azure resources.	BuiltInRole	Monitor

[Review + assign](#)

[Previous](#)

[Next](#)

[Home](#) > [Keyvaultdevv1 | Access control \(IAM\)](#) >

Add role assignment ...

[Role](#) [Members](#) [Conditions](#) [Review + assign](#)

Selected role Key Vault Secrets Officer

Assign access to ☒ User, group, or service principal
☐ Managed identity

Members [+ Select members](#)

Name	Object ID	Type
gaurav raj singh	8cbd37a2-ffb8-4882-bdb3-e7aa80bdf5a7	User

Description Optional

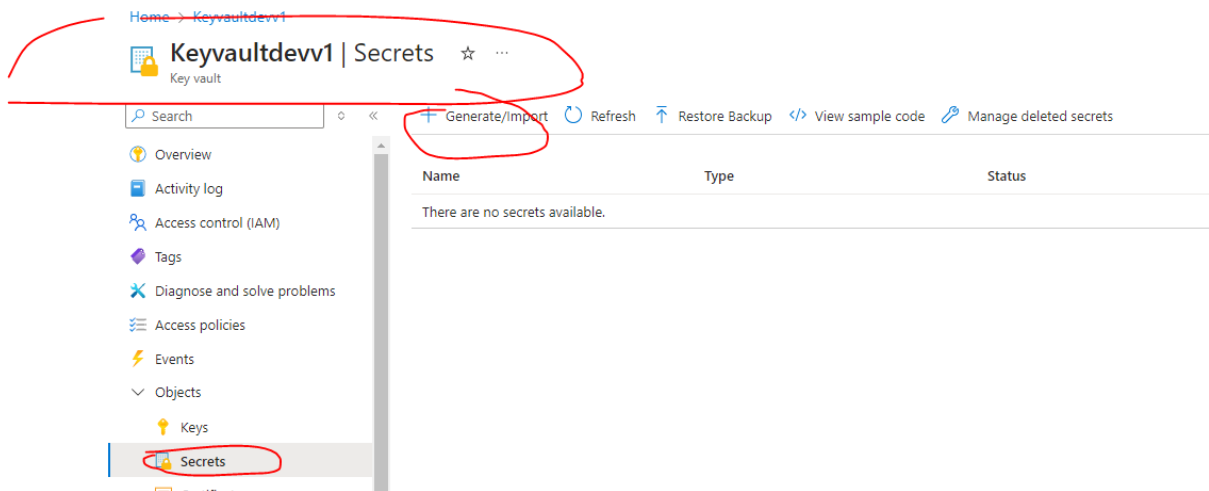
[Review + assign](#)

[Previous](#)

[Next](#)

AGENDA – CREATE SECRET

1)



i) Create for vmusername

Home > Keyvaultdevv1 | Secrets >

Create a secret

Upload options: Manual

Name *: vmusername

Secret value *:

Content type (optional):

Set activation date: ☐

Set expiration date: ☐

Enabled: Yes No

Tags: 0 tags

Create Cancel

Secret value = adminuser

ii) Create for vmpassword

Home > Keyvaultdevv1 | Secrets >



Create a secret

Upload options: Manual

Name * ✓

Secret value * ✓

Content type (optional):

Set activation date: ☐

Set expiration date: ☐

Enabled: ☒ Yes ☐ No

Tags: 0 tags

Create Cancel

Secret value = mom6daD?

Home > Keyvaultdevv1



Keyvaultdevv1 | Secrets

Search

+ Generate/Import Refresh Restore Backup View sample code Manage deleted secrets

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Access policies
- Events

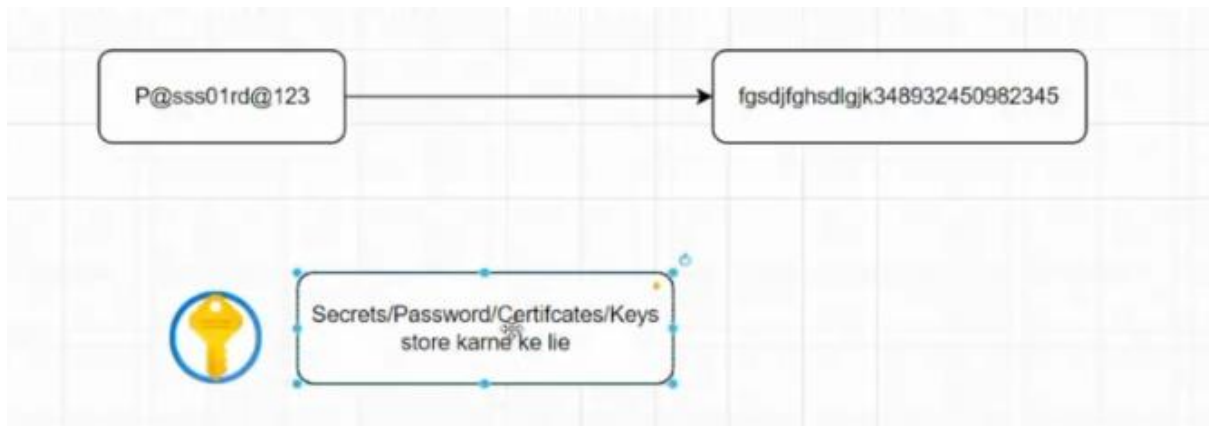
The secret 'vmpassword' has been successfully created.

Name	Type	Status	Expiration date
vmpassword		✓ Enabled	
vmusername		✓ Enabled	

+++++

AGENDA – KEY VAULT

1) **Limited privilege access** – Never give highest privilege access to anyone, just provide limited privilege access so that work can be done.



2) SEARCH – azurem keyvault data

Terraform Registry | Search all resources | Browse | Publish | Sign-in | Use HCP Terraform

Providers / hashicorp / azurem / Version 4.0.1 | Latest Version

azurem

Overview | Documentation

AZUREM DOCUMENTATION

Filter

- azurem provider
 - > Guides
 - > Functions
 - > AAD B2C
 - > API Management
 - > Active Directory Domain Services

Data Source: azurem_key_vault

Use this data source to access information about an existing Key Vault.

Example Usage

```
data "azurem_key_vault" "example" {
  name                = "mykeyvault"
  resource_group_name = "some-resource-group"
}
```

Copy

ON THIS PAGE

- Example Usage
- Argument Referen
- Attributes Referen
- Timeouts

Report an issue

3) SEARCH – azurem keyvault secret data

AZUREM DOCUMENTATION

Filter

- azurem provider
 - > Guides
 - > Functions
 - > AAD B2C
 - > API Management
 - > Active Directory Domain Services
 - > Advisor
 - > Analysis Services
 - > App Configuration
 - > App Service (Web Apps)
 - > Application Insights

Note:

All arguments including the secret value will be stored in the raw state as plain-text. [Read more about sensitive data in state.](#)

Example Usage

```
data "azurem_key_vault_secret" "example" {
  name          = "secret-sauce"
  key_vault_id = data.azurem_key_vault.existing.id
}

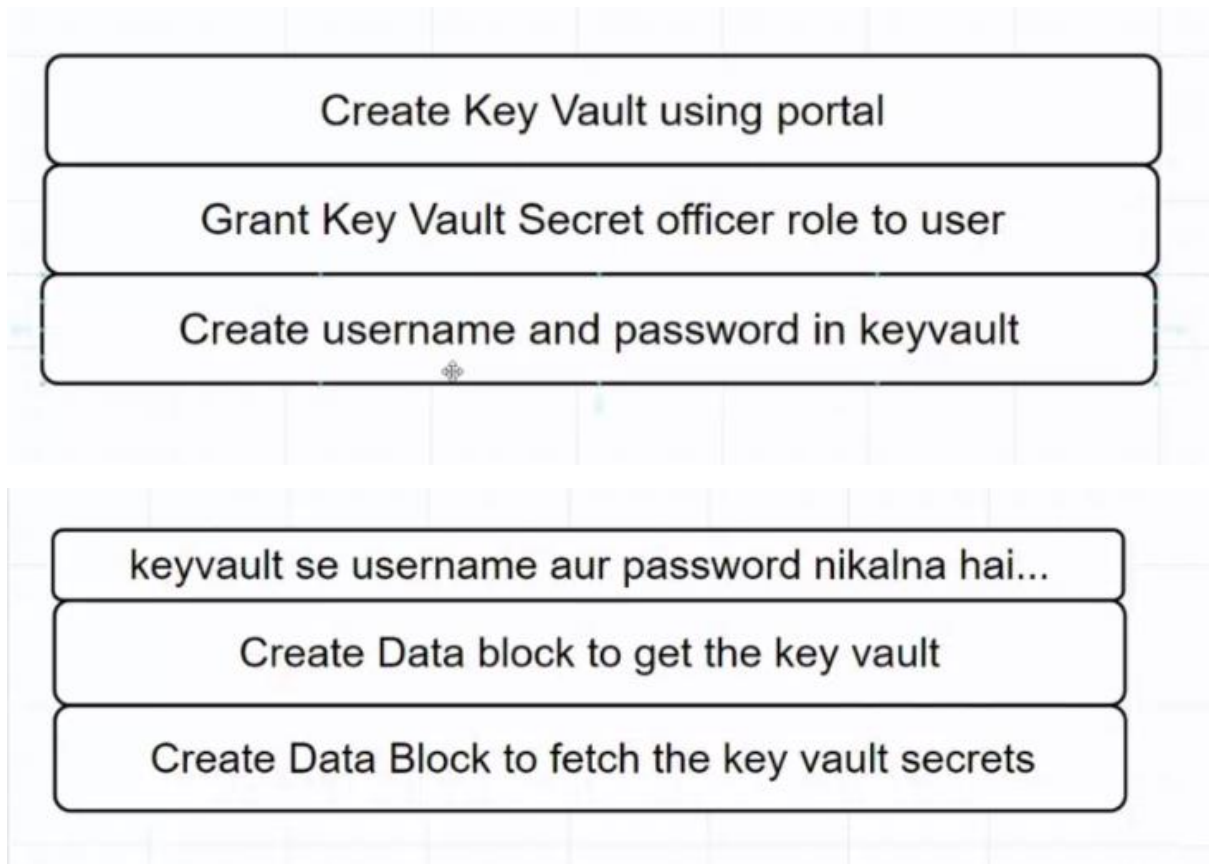
output "secret_value" {
  value     = data.azurem_key_vault_secret.example.value
  sensitive = true
}
```

Copy

ON THIS PAGE

- Example Usage
- Arguments Ref
- Attributes Refe
- Timeouts

Report an issue



4) Change “admin_username” and “admin_password” attributes value as below after creating data blocks in VM code.

```
size = Standard_D_12
admin_username = data.azurerm_key_vault_secret.kvsecret_username.value
admin_password = data.azurerm_key_vault_secret.kvsecret_password.value
disable_password_authentication = false
```