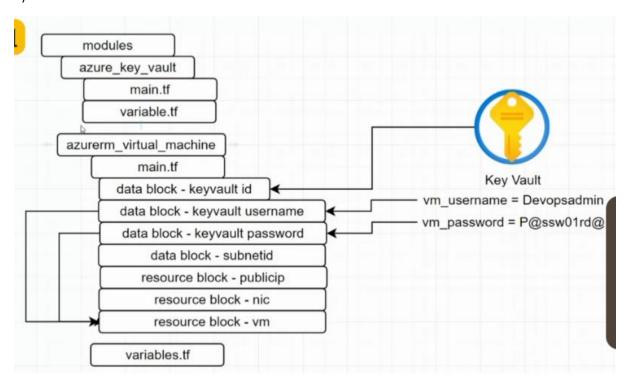
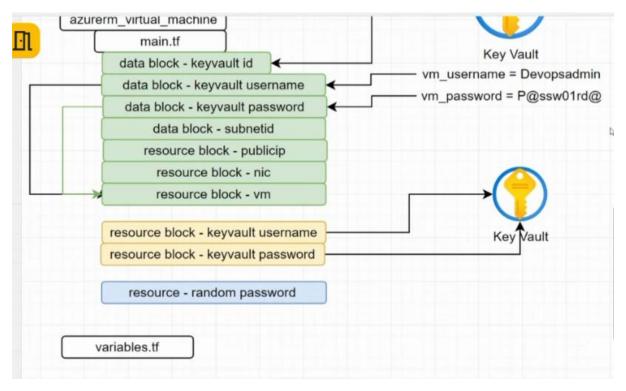
## **AGENDA – Deploying keyvault with terraform**

1)



2) Now we will write code in a way that username and password will not be fetched from data block but it will be auto generated.



3) We have a data block to fetch tenant id

5) Our access\_policy attribute permits below fields also

## A access policy block supports the following: tenant\_id - (Required) The Azure Active Directory tenant ID that should be used for authenticating requests to the key vault. Must match the tenant id used above. object id - (Required) The object ID of a user, service principal or security group in the Azure Active Directory tenant for the vault. The object ID must be unique for the list of access policies. application\_id - (Optional) The object ID of an Application in Azure Active Directory. certificate\_permissions - (Optional) List of certificate permissions, must be one or more from the following: Backup , Create , Delete , DeleteIssuers , Get , GetIssuers , Import , List , ListIssuers , ManageContacts , ManageIssuers , Purge , Recover , Restore , SetIssuers and Update . key\_permissions - (Optional) List of key permissions. Possible values are Backup, Create , Decrypt , Delete , Encrypt , Get , Import , List , Purge , Recover , Restore , Sign , UnwrapKey , Update , Verify , WrapKey , Release , Rotate , GetRotationPolicy and SetRotationPolicy . secret permissions - (Optional) List of secret permissions, must be one or more from the

6) Now keyvault is created in azure portal by terraform

Reyvaulttt15	Key vault	rgdev15	Poland Central	Free Trial
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AGENDA – Whenever any keyvault is created then any random password should get generated and gets stored in created keyvault.

1) SEARCH – azurerm\_keyvault\_secret

```
erm provider
                                                 secret_permissions = [
ides
                                                   "Set",
                                                    "Get",
nctions
                                                    "Delete",
D B2C
                                                    "Purge",
                                                    "Recover"
I Management
tive Directory Domain Services
                                                }
                                              }
alysis Services
                                              resource "azurerm_key_vault_secret" "example" {
p Configuration
                                               name = "secret-sauce"
                                               value = "szechuan"
p Service (Web Apps)
                                                key_vault_id = azurerm_key_vault.example.id
plication Insights
: Resource Bridge
```

2) SEARCH – random password terraform

3) Add random provider code also in providers.tf file

## Terraform 0.13+

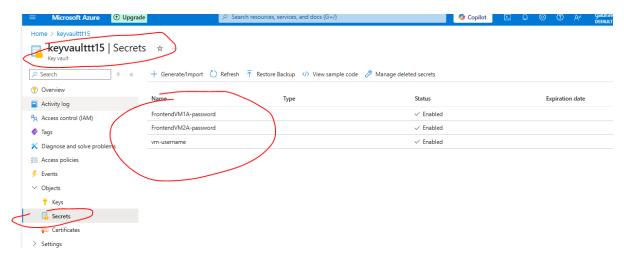
```
terraform {
    required_providers {
        random = {
            source = "hashicorp/random"
            version = "3.6.3"
        }
    }
    provider "random" {
        # Configuration options
}
```

```
terraform {
  required_providers {
    azurerm = {
      source = "hashicorp/azurerm"
      version = "4.6.0"
    }
    random = {
      source = "hashicorp/random"
      version = "3.6.3"
    }
  }
}

provider "azurerm" {
  features {}
  subscription_id = "82812723-cb7c-49c5-b697-018df19bfc17"
}

provider "random" {}
```

4) Now run terraform apply, so we can see in keyvault, under secret is vm username and password for individual vms is generated



## 5) For vm1 generated password is shown below

