# Azure - KeyVault - set multiple access policies using the arm template

In the recent years, Azure services has become the common go to platform to develop, host many small to large enterprise applications and the commonly used service to extend / implement any custom O365 functionality like site provisioning, custom governance application etc. Azure KeyVault will be one of the heavily used one across all the types of Business solution to store the secret / certificate / keys etc.

Recently, I was involved in implementing a various application for a client where we must keep some of the secret data like connectionstring for Sql, Access tokens, Instrument keys etc in a single KeyVault. Here we will quickly see how to setup the access policies in the KeyVault for a multiple service principal registered in the tenant using the ARM template.

#### KeyVault Template - Multiple ServicePrincipal with fixed permission.

The below template takes an array of serviceprincipal object id’s and sets an access policies within the KeyVault.

<Please embed the code as a gist using the below link>

<script src="https://gist.github.com/clientbala/9cba1fc0787c7bb42405992a1bd7782d.js"></script>

This also embedded here as an object for a reference



#### KeyVault Template - Multiple ServicePrincipal with variable permission.

The below template takes an array of serviceprincipal object id’s along with the permission as a Json and sets the access policies accordingly.

<Please embed the code as a gist using the below link>

<script src="https://gist.github.com/clientbala/1b90b10ac15a2777e9910a6acd415d28.js"></script>

This also embedded here as an object for a reference



#### Template parameters: The paramters value can be passed as below either using the PowerShell / Cli / Azure Devops tasks.

-keyVaultName “kv-cb-set-accesspolicies” -keyVaultLocation “UK South” -servicePrincipalObjects [{“Id”:”aaaxxxxxxxxxxxx-c35b00c6e6e1”, “Permissions”:{“keys”: [],”secrets”: [“Get”,”List”],”certificates”:[]}}]

Written on April 18, 2020