

Demo: Set and retrieve a secret from Azure Key Vault by using Azure CLI

In this demo you'll learn how to perform the following actions:

- Create a Key Vault
- Add and retrieve a secret

Prerequisites

This demo is performed in either the Cloud Shell or a local Azure CLI installation.

- Cloud Shell: be sure to select **PowerShell** as the shell.
- If you need to install Azure CLI locally visit:
 - <https://docs.microsoft.com/en-us/cli/azure/install-azure-cli>

Login to Azure

1. Choose to either:
 - Launch the Cloud Shell: <https://shell.azure.com>
 - Or, open a terminal and login to your Azure account using the `az login` command.

Create a Key Vault

1. Set variables. Let's set some variables for the CLI commands to use to reduce the amount of retyping. Replace the `<myLocation>` variable string below with a region that makes sense for you. The Key Vault name needs to be a globally unique name, and the script below generates a random string.

```
$myResourceGroup="az204vaultrg"
$myKeyVault="az204vault" + $(get-random -minimum 10000 -maximum 100000)
$myLocation="<myLocation>"
```

2. Create a resource group.

```
az group create --name $myResourceGroup --location $myLocation
```

3. Create a Key Vault.

```
az keyvault create --name $myKeyVault --resource-group $myResourceGroup --location $myLocation
```

✓ **Note:** This can take a few minutes to run.

Add and retrieve a secret

To add a secret to the vault, you just need to take a couple of additional steps.

1. Create a secret. Let's add a password that could be used by an app. The password will be called **ExamplePassword** and will store the value of **hVFkk965BuUv** in it.

```
az keyvault secret set --vault-name $myKeyVault --name "ExamplePassword" --value "hvFkk965BuUV"
```

2. Retrieve the secret.

```
az keyvault secret show --name "ExamplePassword" --vault-name $myKeyVault
```

This command will return some JSON. The last line will contain the password in plain text.

```
"value": "hvFkk965BuUV"
```

You have created a Key Vault, stored a secret, and retrieved it.

Clean up resources

When you no longer need the resources in this demo use the following command to delete the resource group and associated Key Vault.

```
az group delete --name $myResourceGroup --no-wait --yes
```