Create Password secret with Azure Key Vault

Use Case:

In this walkthrough task we will create an Azure Key vault and then create a password secret within that key vault, providing a securely stored, centrally managed password for use with applications.

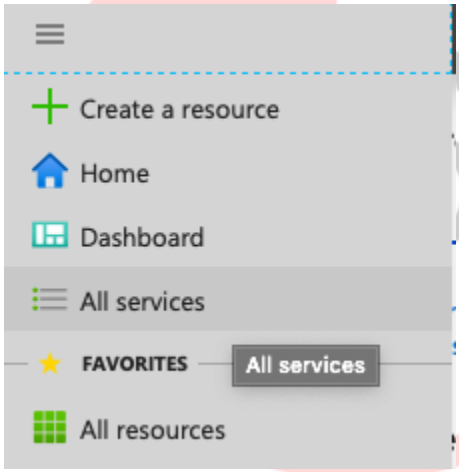
Prerequisites:

You require need an Azure subscription to perform these steps. If you don't have one you can create one by following the steps outlined on the Create your Azure free account today webpage.

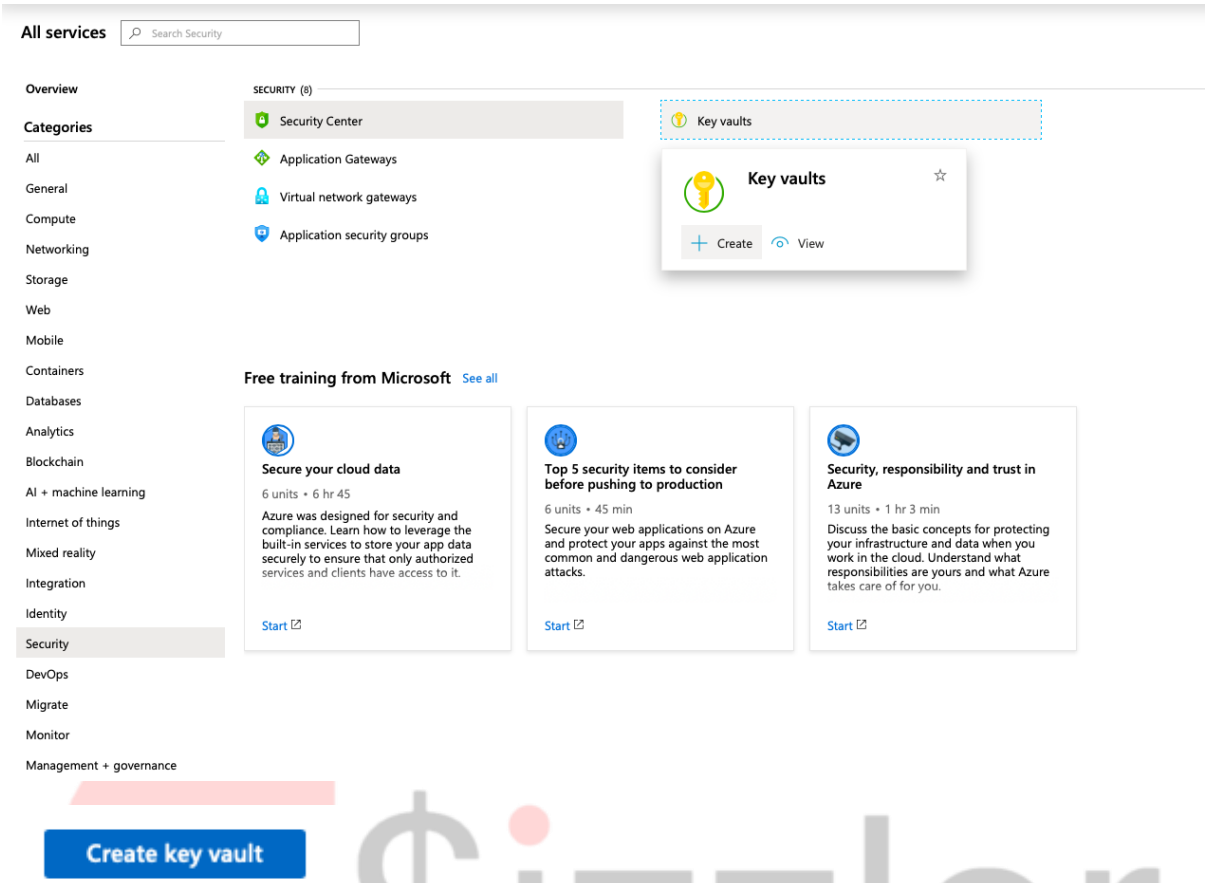
Steps:

Create a vault in Azure Key Vault

1. Sign into the Azure Portal and go to All services > Security and then select Key vaults.

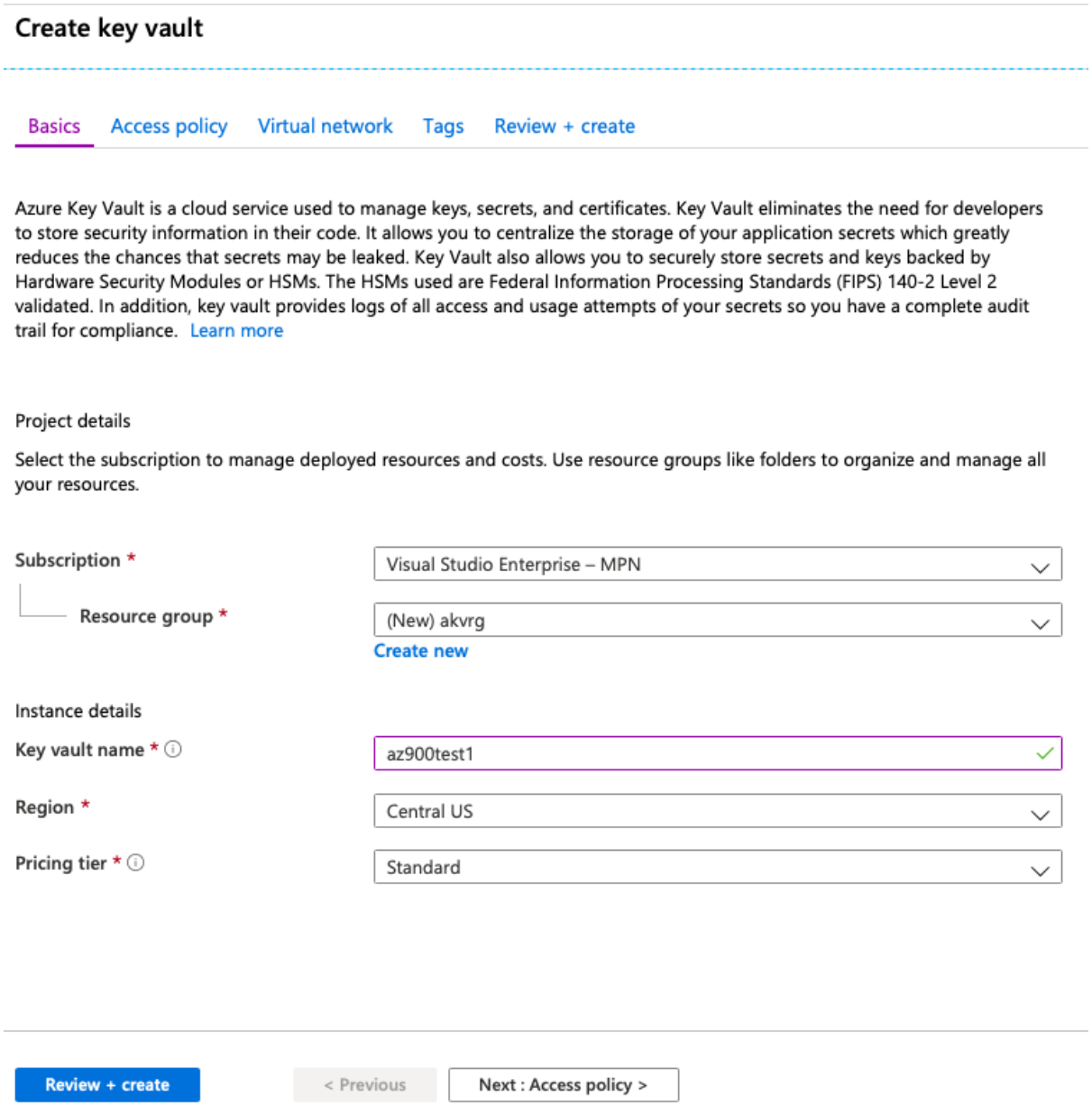


2. In the Key vaults pane click on Create key vault.

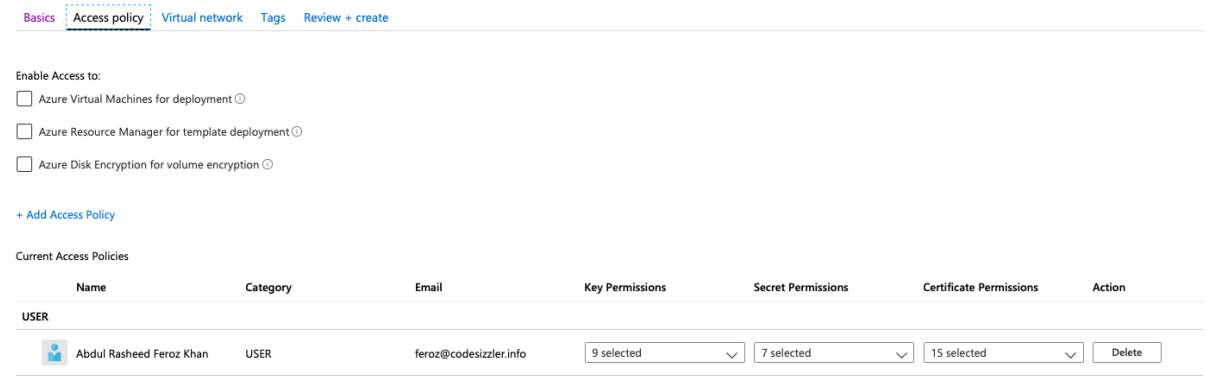


3. In the **Create key vault** blade, enter the details as below and click **Create**

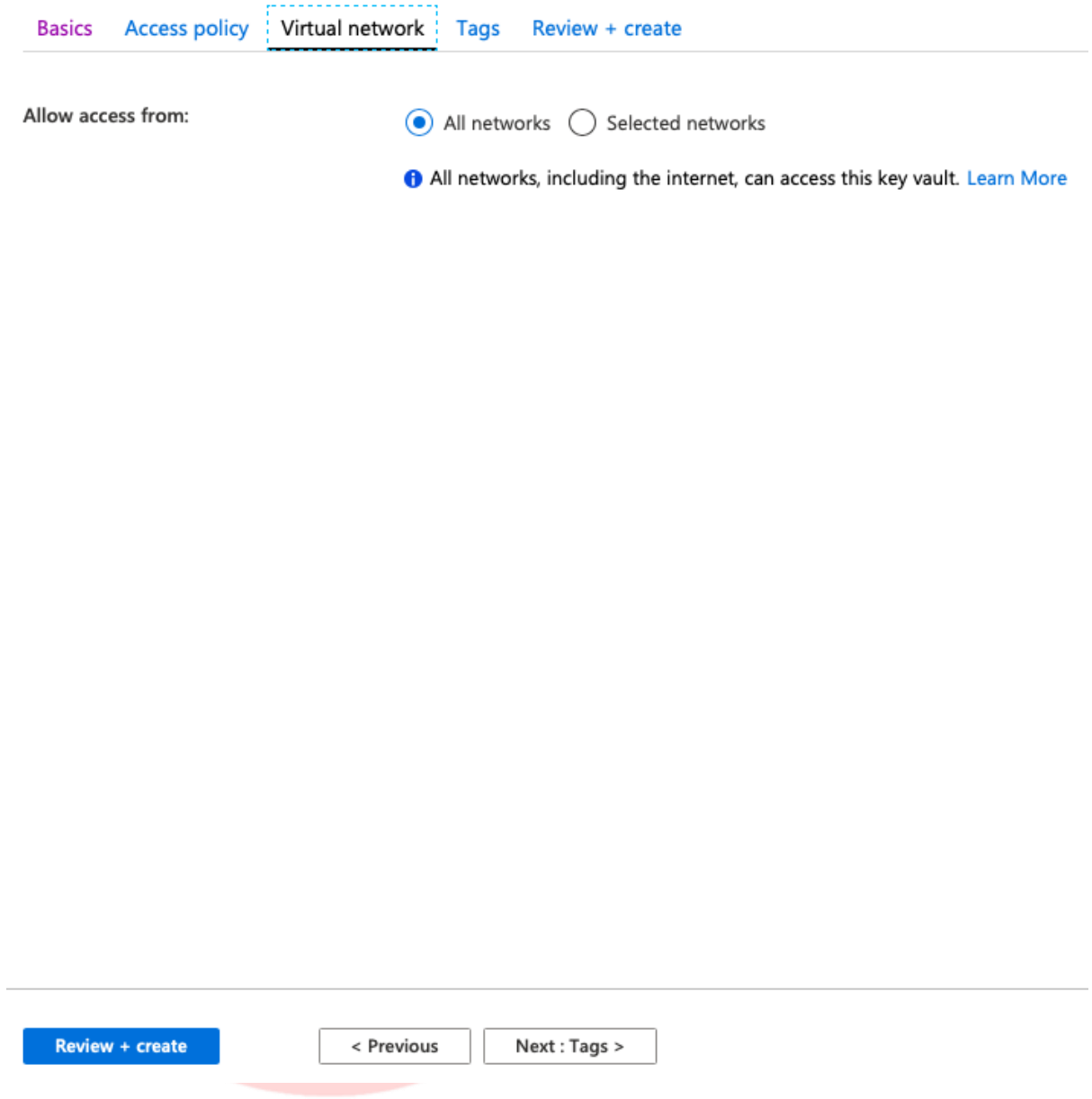
- **Name**: a name for your vault i.e. **akvtest1**
- **Subscription**: < your subscription >
- **Resource Group**: select **Create new** and enter a new resource group name i.e. **akvrg**
- **Location**: < a Datacenter location near you i.e. **Central US** >
- **Pricing Tier**: Standard



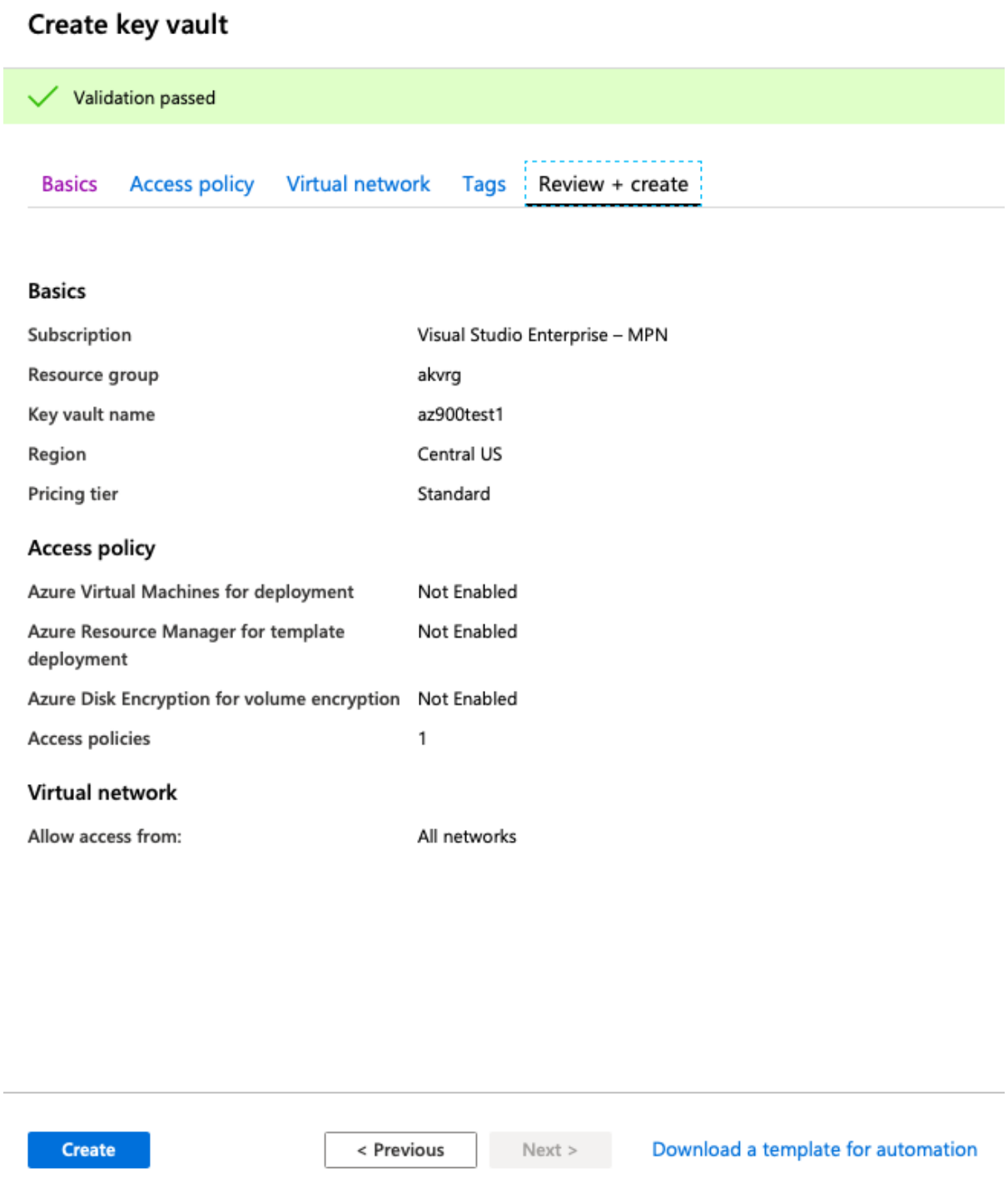
- **Pricing Tier**: Standard
- **Access policies**: < accept default value i.e. **1 principal selected** >



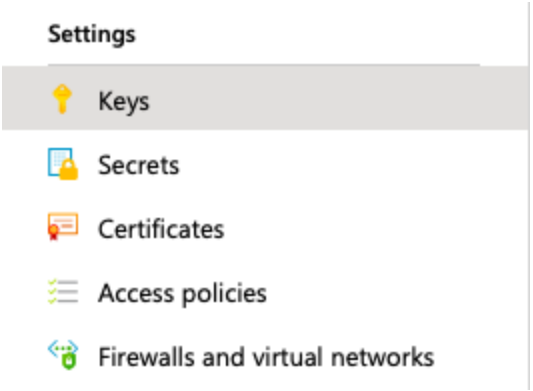
- **Virtual Network Access**: < accept default value i.e. **all networks can access** >



Click on create button.

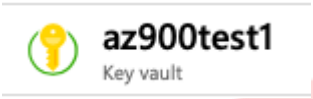


4. Go to the newly created Key vault and verify it is present. You can take a moment to browse through some of the options available within it, primarily under Settings and then options concerning Keys, Secrets, Certificates, Access Policies, Firewalls and virtual networks.

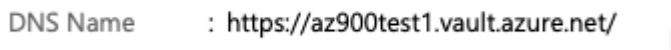


5. Take note of two values in the key vault

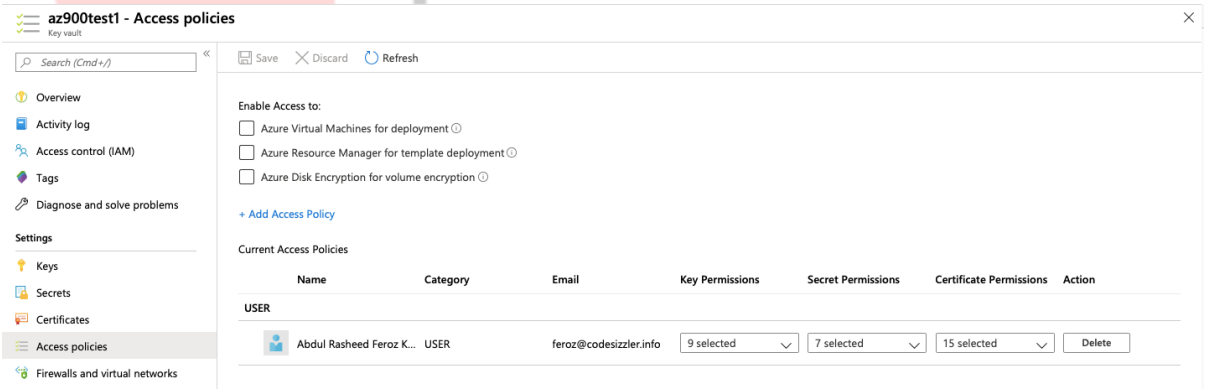
- **Vault Name**: In the example it is **akvtest1**



- **DNS name** (also sometimes referred to as the **Vault URI**): In this example it is `https://akvtest1.vault.azure.net/`. Applications that use your vault through its REST API must use this URI.

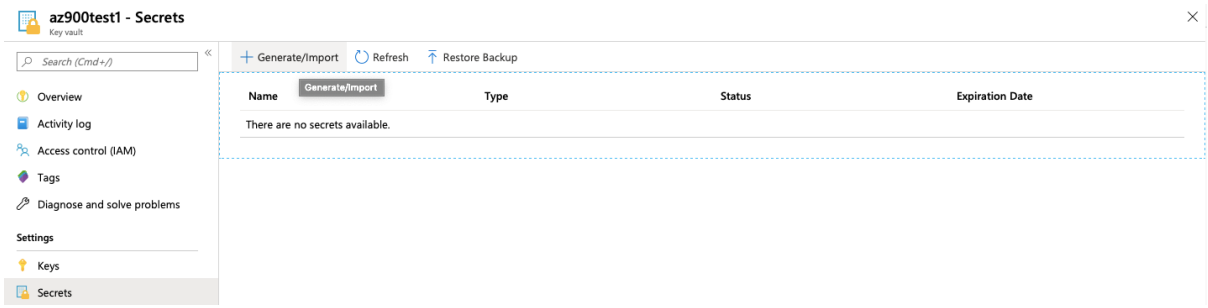


Note: Your Azure account is the only one authorized to perform operations on this new vault. Yo can modify this if you wish in the **Settings > Access policies** section.



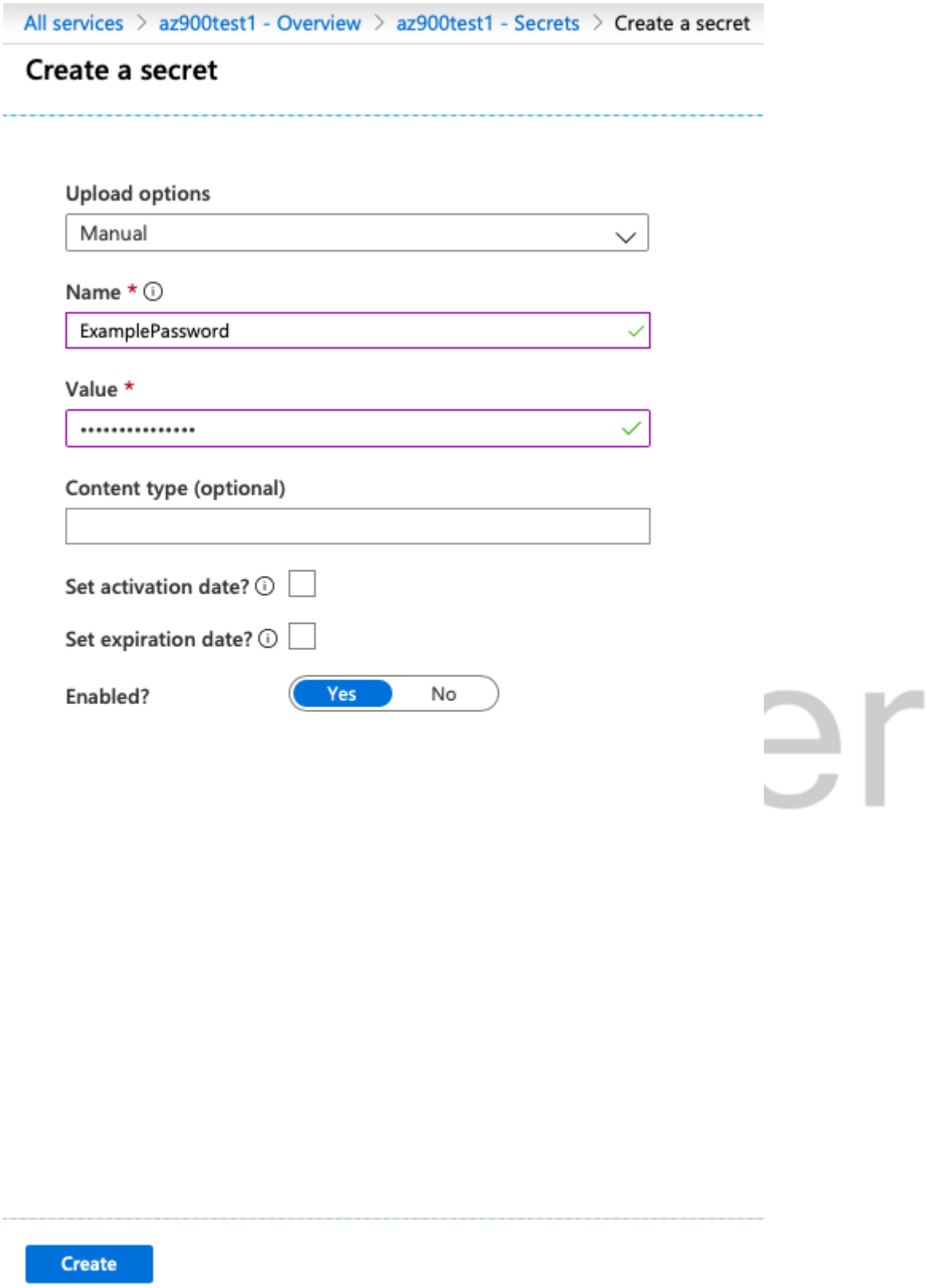
Add a secret to the Key Vault

1. On the Key Vault properties pages select **Secrets**, then select **Generate/Import.**

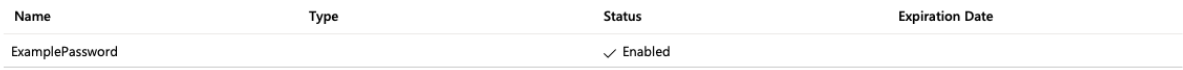


2. On the Create a secret blade enter the below values, leave the other values at their defaults and then click Create.

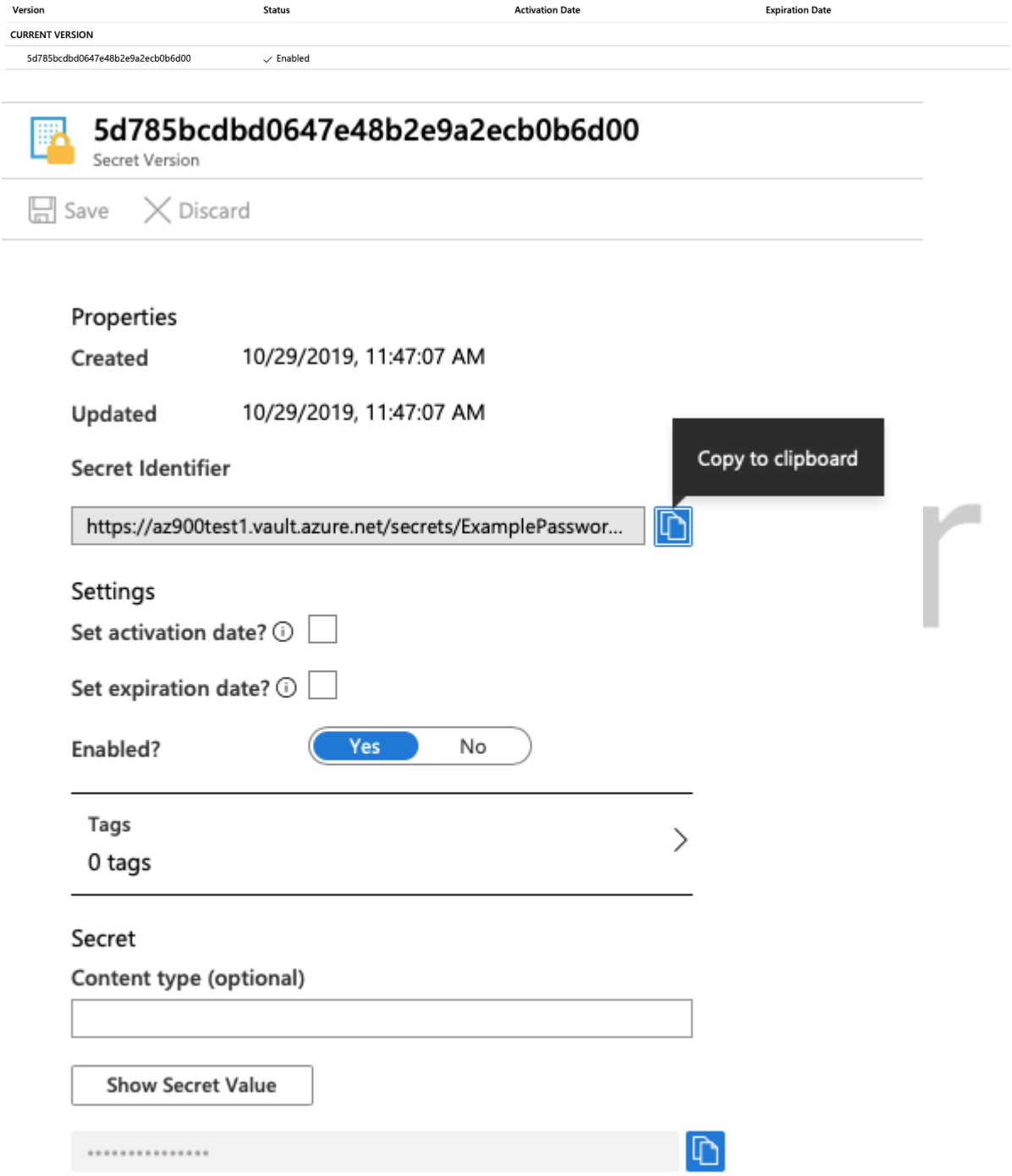
- **Upload options**: Manual
- **Name**: ExamplePassword
- **Value**: hVFkk965BuUv96!



3. Once the secret has been successfully created, on the **Secrets** pane, click on the **ExamplePassword**, and note it has a status of **Enabled**



4. Double click on the password and in the password pane, note the presence of the **Secret Identifier**. This is the url value that you can now use with applications. It provides a centrally managed and securely stored password for use with applications.



5. In the same pane click the button **Show Secret Value**, to display the password you specified earlier.

Note: It is also possible to set time limitations on when a password is available for use, using the activation and expiration date settings.