<https://learn.microsoft.com/en-us/azure/key-vault/general/basic-concepts>

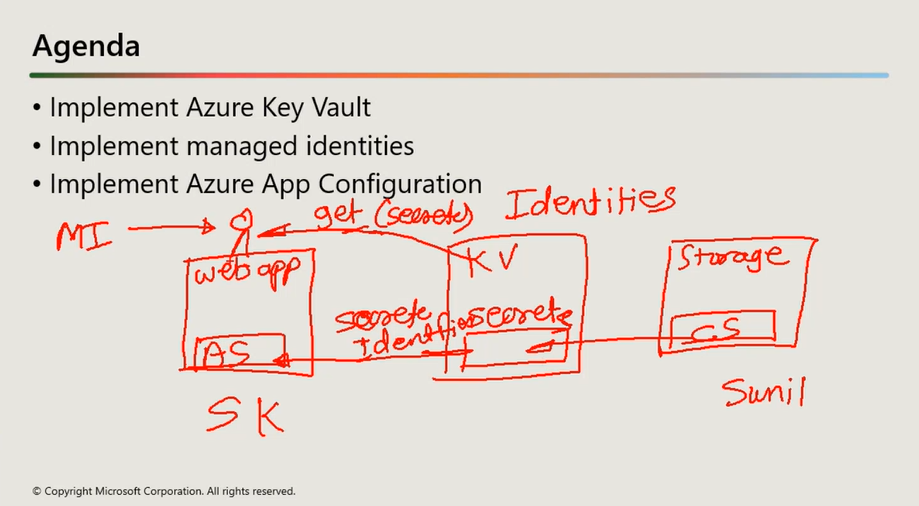
<https://testprep.cloudthat.com/mod/page/view.php?id=13773>

A screenshot of a computer

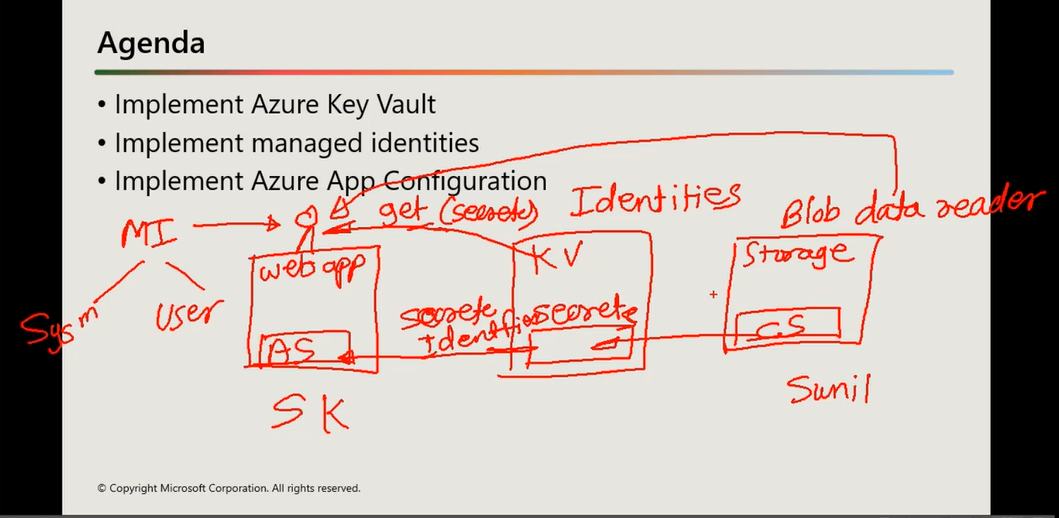
Description automatically generated

A screen shot of a computer

Description automatically generated



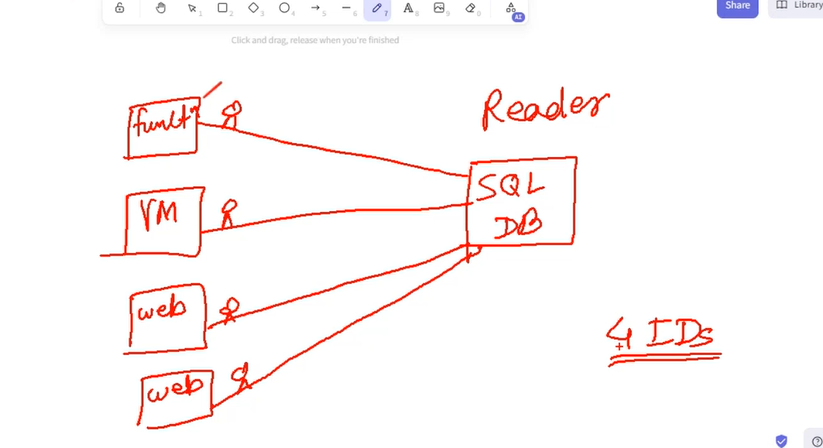
Azure Key Vault is a cloud service for securely storing and accessing secrets. A secret is anything that you want to tightly control access to, such as API keys, passwords, certificates, or cryptographic keys. Key Vault service supports two types of containers: vaults and managed hardware security module(HSM) pools. Vaults support storing software and HSM-backed keys, secrets, and certificates. Managed HSM pools only support HSM-backed keys.



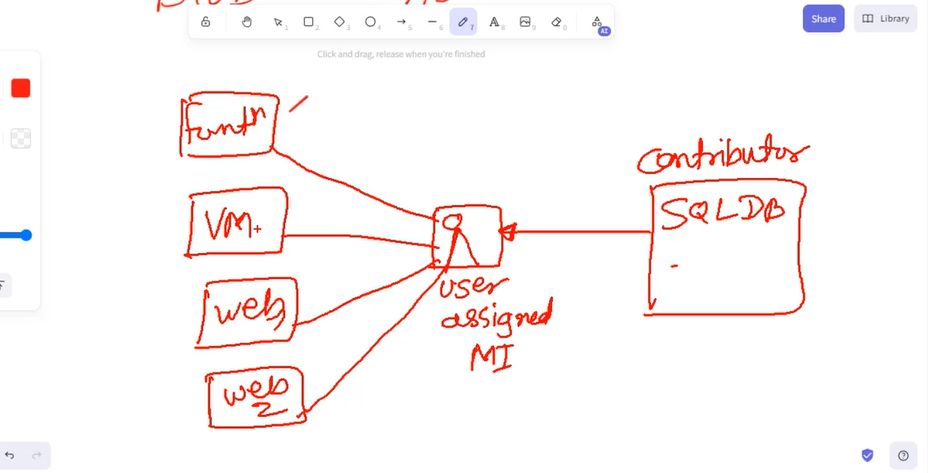
* [Managed identities for Azure resources](https://learn.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview): When you deploy an app on a virtual machine in Azure, you can assign an identity to your virtual machine that has access to Key Vault. You can also assign identities to [other Azure resources](https://learn.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview). The benefit of this approach is that the app or service isn't managing the rotation of the first secret. Azure automatically rotates the identity. We recommend this approach as a best practice.

A computer screen with red writing

Description automatically generated



Using system defined managed identity, we provides separate identity to every resource to access Sql DB resources.



A key vault informational text

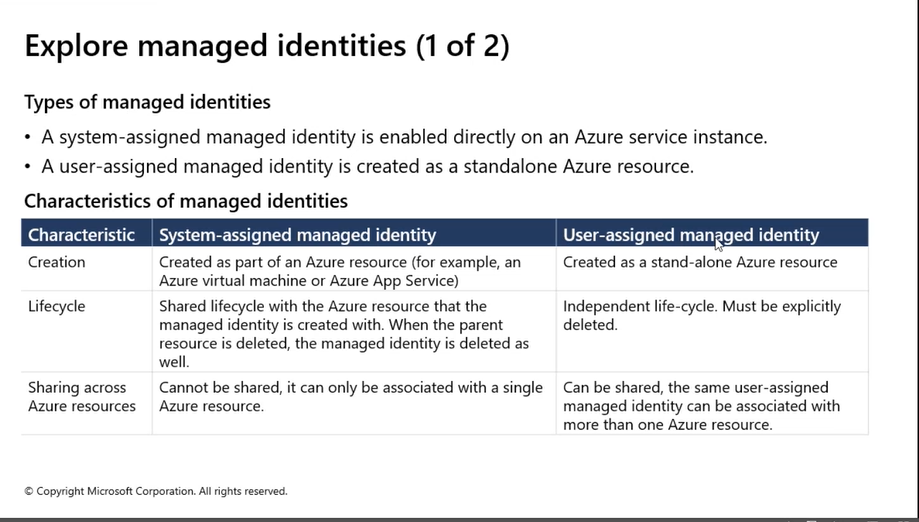
Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

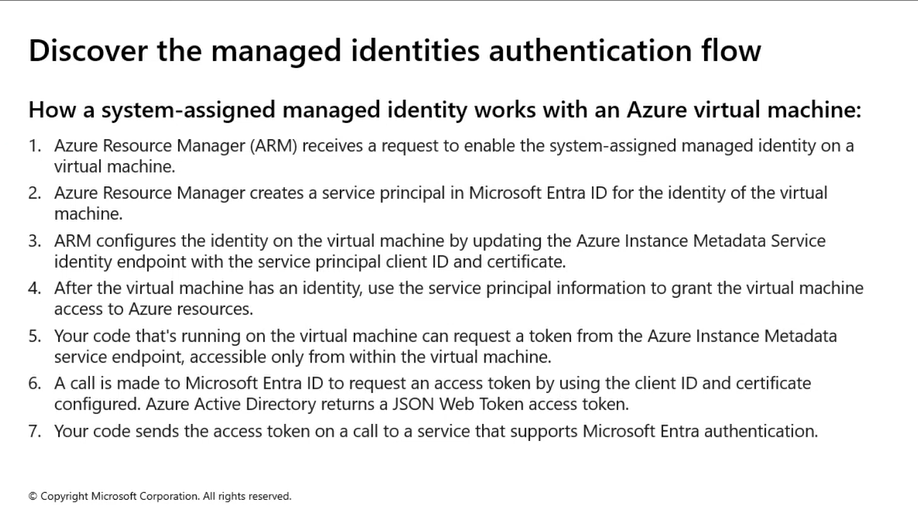
A screenshot of a computer

Description automatically generated



A screenshot of a computer

Description automatically generated



A screenshot of a computer

Description automatically generated

A screenshot of a computer

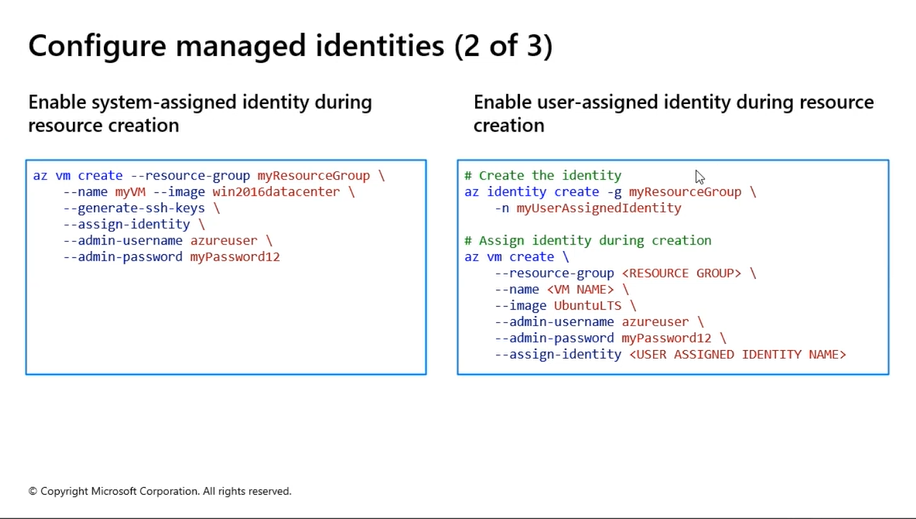
Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated



What is the difference between Azure key vault and configuration manager?

Azure Key Vault is a powerful solution for storing, accessing, and managing secrets. Azure App Configuration keys can reference values stored in Key Vault. Key Vault Reference contains URI pointing to the Key Vault secret; it does not contain the actual secret value.