

Securing Virtual Machines with Azure Key Vault

WHAT IS THE AZURE KEY VAULT?



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AZURE ARCHITECT

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Preview



What is a the Azure key vault?

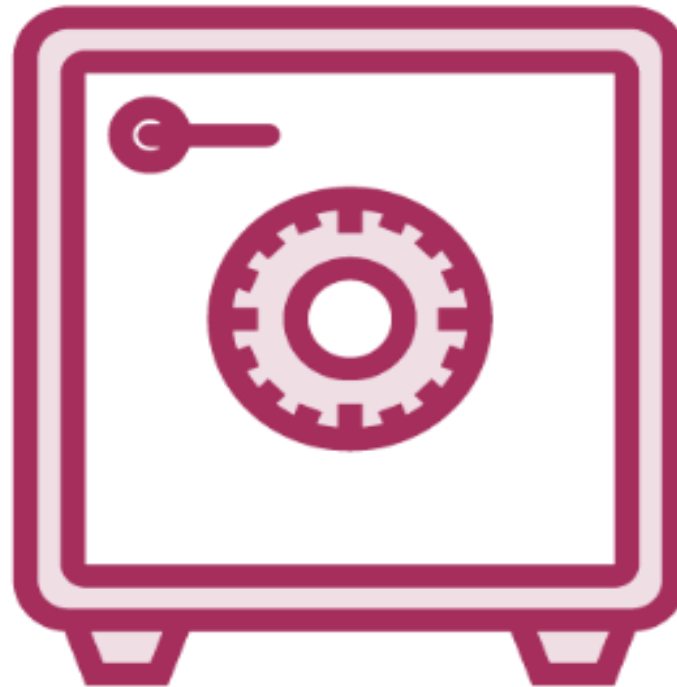
Why should you know how to use it?

How do you set up an Azure key vault?

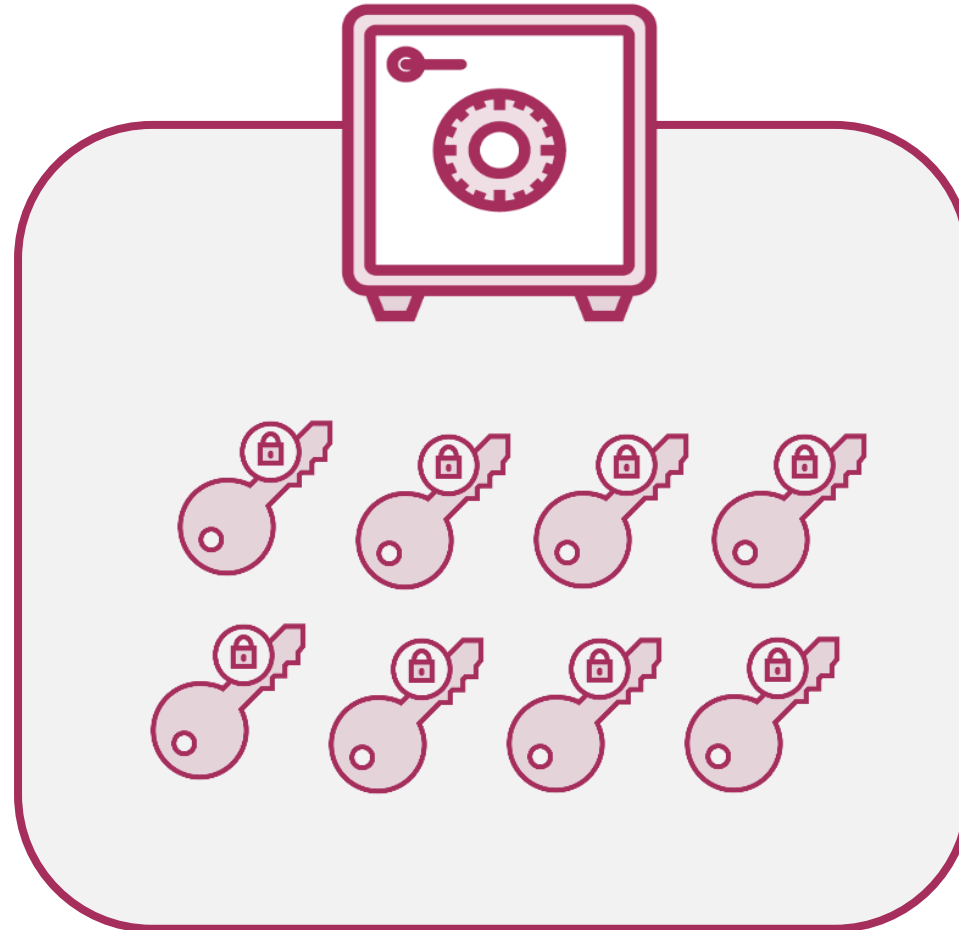
How do you secure your Azure VMs?



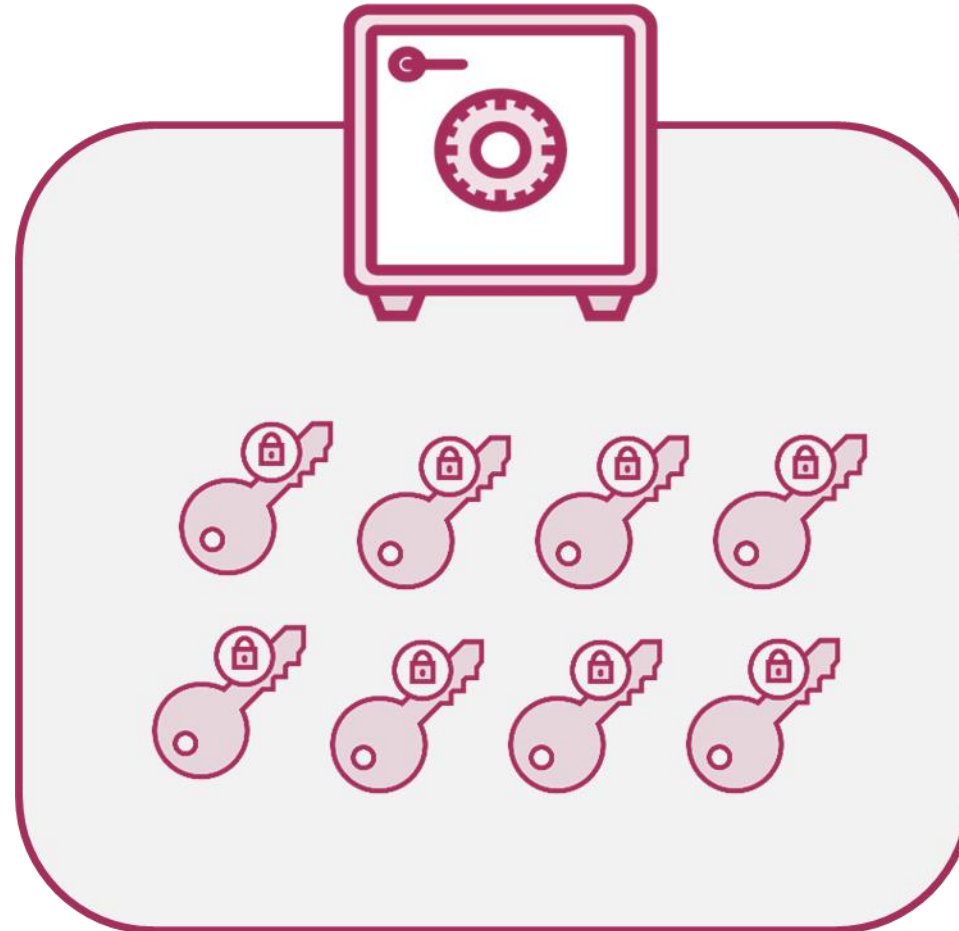
What is the Key Vault?



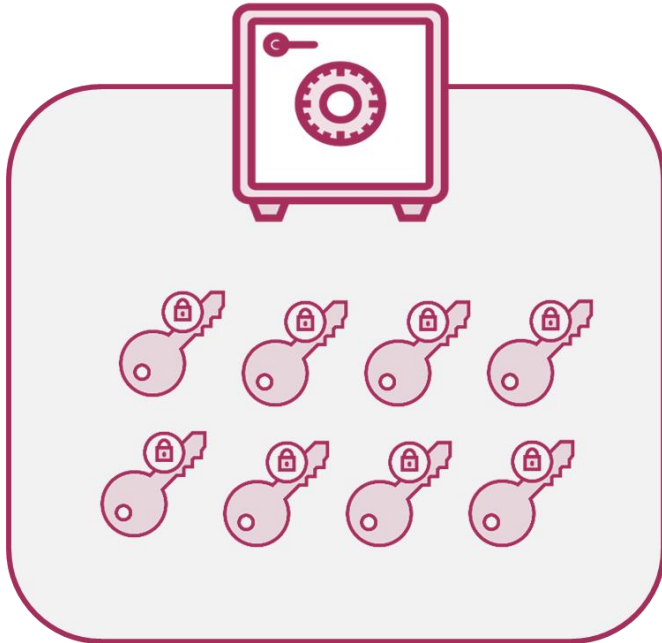
What is the Key Vault?



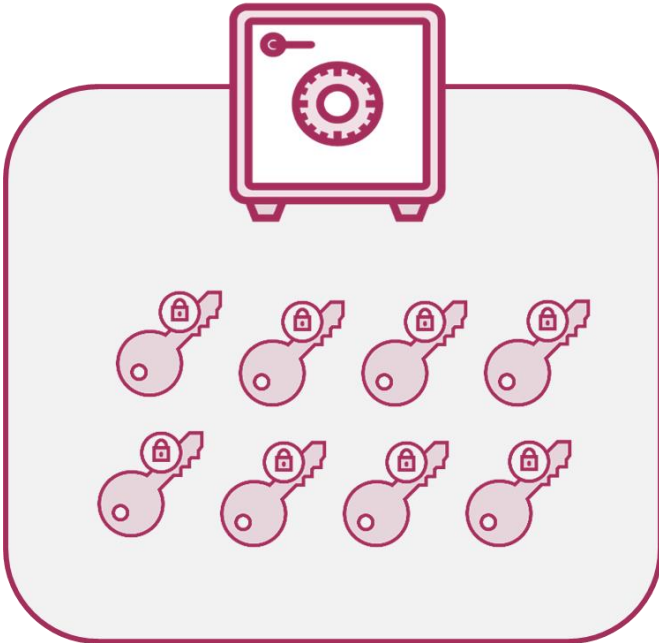
What is the Key Vault?



What is the Key Vault?



Key Vault Details



Hardware Security Module (Premium)

Keys to the Kingdom

Hardened Container

Keys and Secrets

Keys



Encryption

Key Encryption Keys (KEK)

.PFX Certificate Files

Secrets



Passwords

Secrets for Applications

PassPhrases

Encryption Key Secrets

Requirements to Use Key Vault

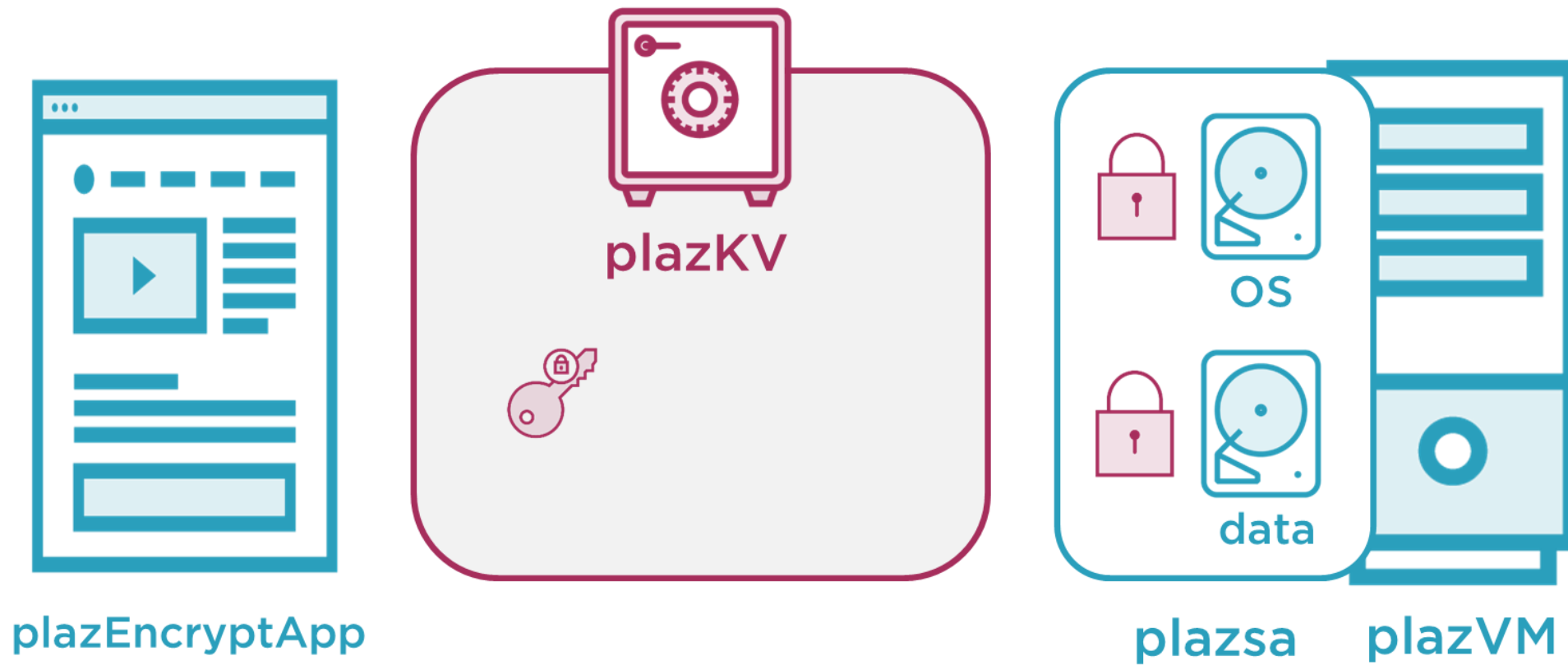


Azure Active Directory

PowerShell for Azure

Connectivity from VM to Key Vault, Azure Active Directory, and the Storage Account

Basic Model of a Key Vault



Azure Key Vault Benefits



**Accessible,
Available, and
Distributable**



**Segmented
Security Roles**



**Avoid Costly
Mistakes**



**Monitor and Log
Access and Use**

Separate Security

Admin



Security



User



plazEncryptApp



plazKV

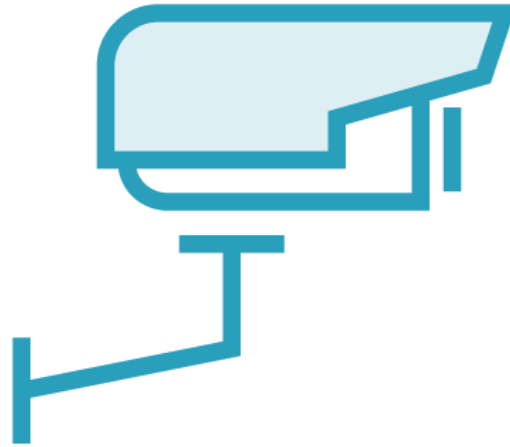


plazsa plazVM

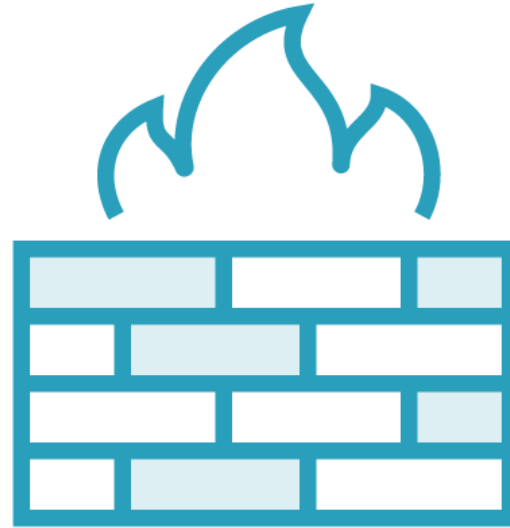
Why Use Azure Disk Encryption?



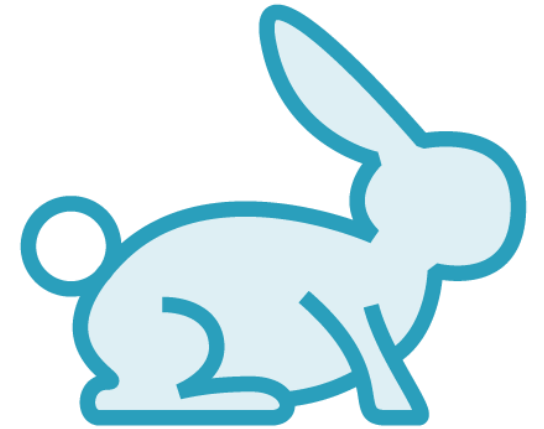
Regulatory
Compliance



Prove Control of
Keys



VM Cannot
Leave Azure

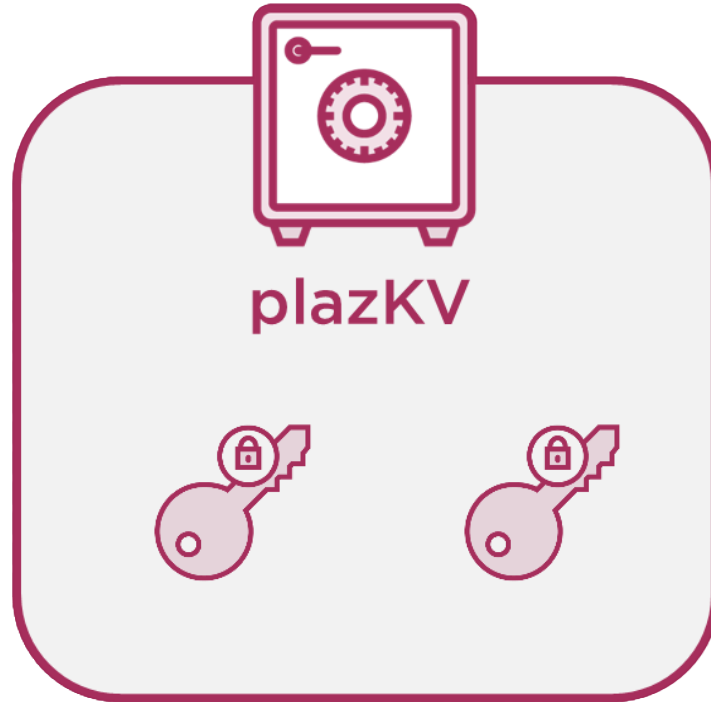


Quick
Deployment

The Task at Hand



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