

### 3.8. Implement Managed Identities for Azure resources

#### Why?

provides Azure services with an automatically managed identity in Azure AD

#### Types

##### System assigned

life cycle of a system-assigned identity is directly tied to the Azure service instance that it's enabled to

standalone Azure resource

identity can be assigned to one or more Azure service instances

##### User assigned

##### When?

For Workloads that run on multiple resources and which can share a single identity

Workloads where resources are recycled frequently, but permissions should stay consistent.

Workloads that need pre-authorization to a secure resource

#### Credential Rotation

default rotation every 46 days

#### Azure Instance Metadata Service (IMDS)

When you use Managed Identities in an Azure VM, you can use the IMDS for requesting OAuth Access Token from your application deployed within