



PROFISEE MDM – REFERENCE AND DEPLOYMENT ARCHITECTURES



PROFISEE MDM – REFERENCE ARCHITECTURE

Profisee MDM is a packaged software application built for the purpose of creating a trusted data foundation across multiple source data silos. It is configurable to cover multiple data domains without any code or infrastructure changes. **It is 100% repeatable IP code for use on Azure.**

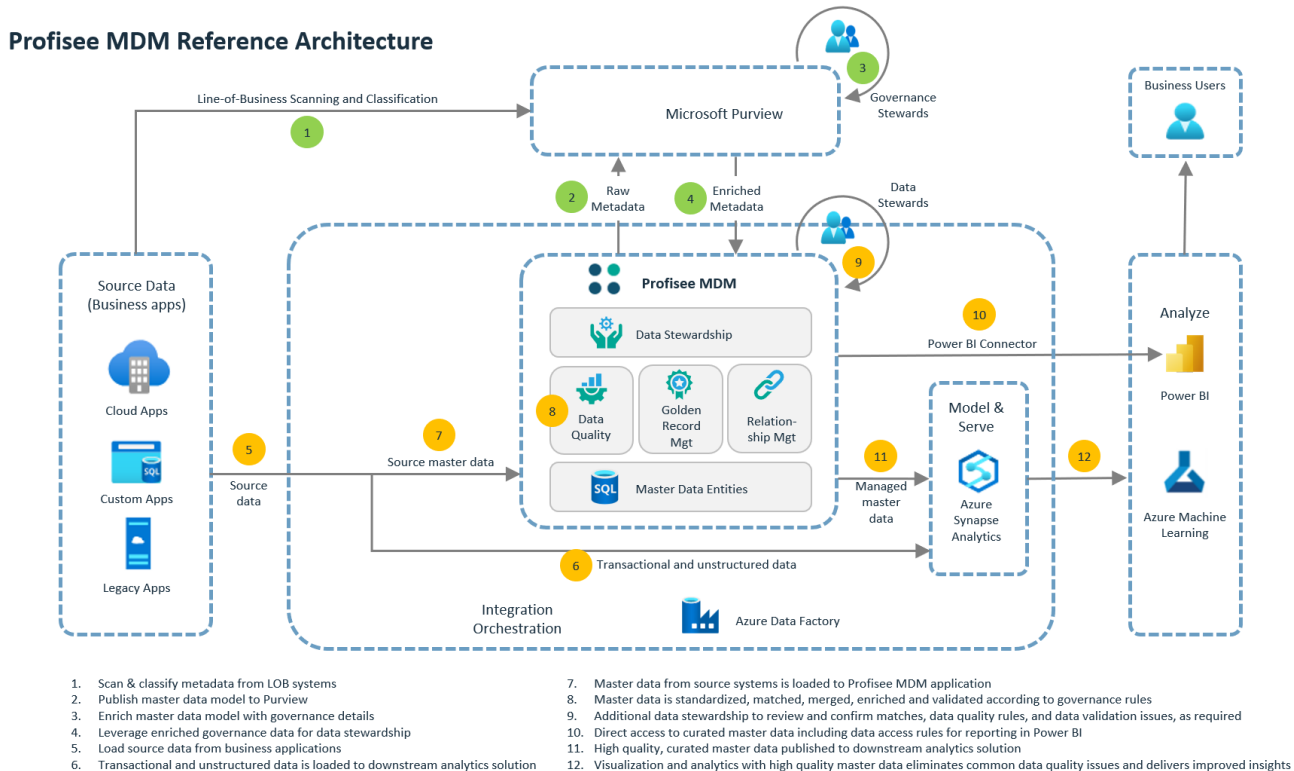
Published Reference Architectures

Profisee and Microsoft have jointly authored two Reference Architectures showing how the Profisee MDM platform integrates with important aspects of the Azure ecosystem to perform critical data management functions:

- [Data governance with Profisee and Azure Purview](#)
- [Master data management with Profisee and Azure Data Factory](#)

Reference Architecture for Azure showing IP

The following reference architecture shows Profisee MDM in context to Azure and Azure Data Services and highlights the IP contributed by Profisee MDM.



Azure Integration

From these reference architectures it should be clear that Profisee MDM is designed to operate in an Azure environment and specifically to leverage both Microsoft Purview and Azure Data Factory. In addition, Profisee has a [native connector with Power BI](#) and also populates data in Azure Synapse for consumption in advanced analytics as well as Azure Machine Learning and any other consuming application.

Additional Notes on Architecture

In addition to broad integration with Azure Data Services, some other characteristics of Profisee should be noted:

- Profisee is 100% build on the Microsoft tech stack
- Profisee MDM is available in both PaaS (containerized Kubernetes package) installable in customer tenant and SaaS (hosted by Profisee on Azure as a fully turnkey service) offerings
- Profisee MDM is regularly used as a replacement – and upgrade to – Microsoft Master Data Services (MDS)

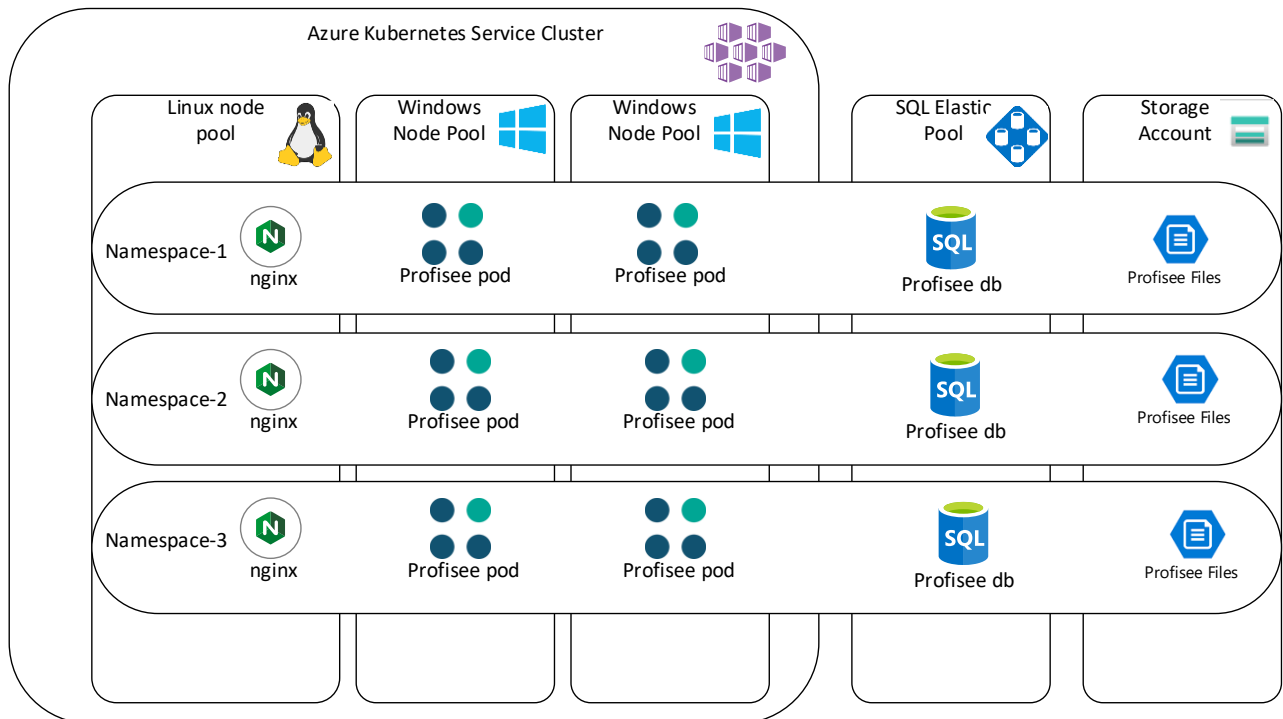


PROFISEE MDM – DEPLOYMENT ARCHITECTURE

Profisee MDM is a commercial off the shelf software application designed for [easy cloud deployment in Azure](#). It is available to purchase and deploy through Azure Marketplace as a SaaS (Software-as-a-Service hosted on Azure and managed by Profisee) or PaaS (Platform-as-a-Service deployed in customers tenant) model. Profisee MDM SaaS runs on 100% native Azure infrastructure (AKS, SQL Elastic Pool, etc.) for efficient deployment, maintenance, and high availability. The software itself is deployed as Windows Container pods in Kubernetes.

Profisee MDM SaaS Deployment

When deployed as a full SaaS turnkey service, Profisee is hosted on Azure and managed by Profisee into a multi-tenant infrastructure, using Kubernetes namespaces and separate databases in the SQL Elastic Pool for tenant isolation. All customers are running the same Windows Container images which run the Profisee software.



Profisee MDM SaaS – High Availability

Profisee MDM SaaS uses a combination of availability zones, cross-region replication, and cross-region failover to provide high availability for clients.

