

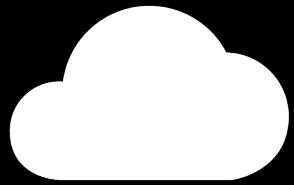
Choosing the Right Mendix Deployment Model for Your Business

Clyde Waal / Cloud Architect / Mendix

Mendix Apps Can be Deployed “Anywhere”



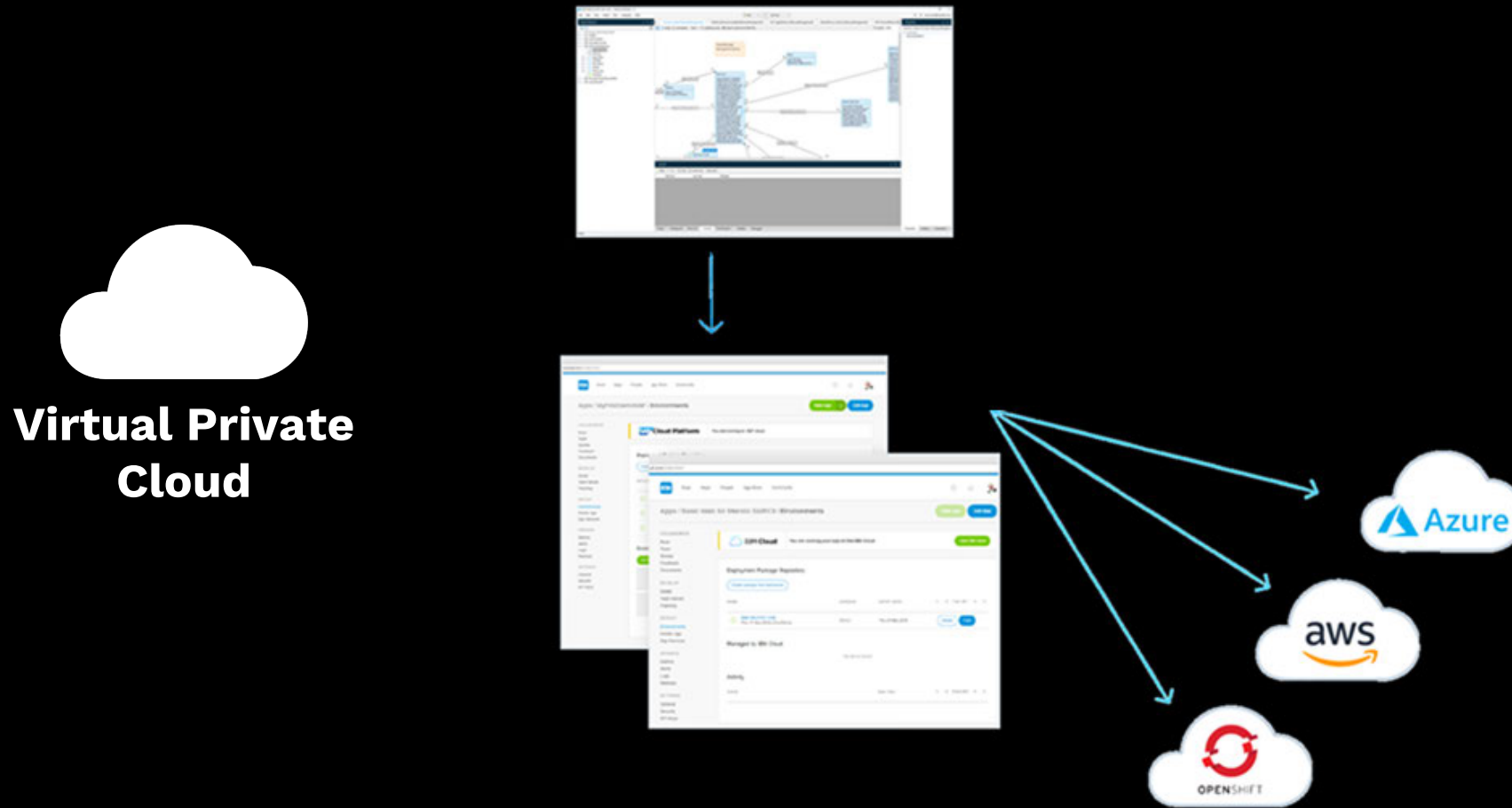
aPaaS Deployment Options



aPaaS
(Public Cloud)



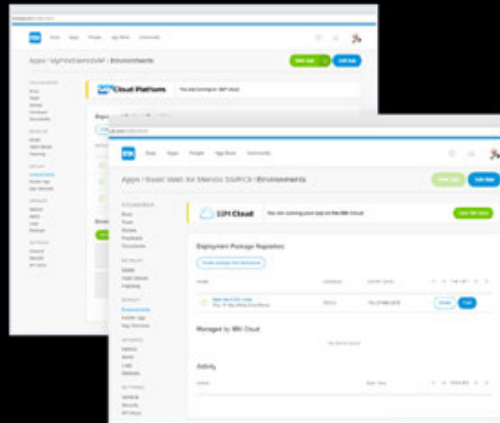
Virtual Private Cloud Deployment Options



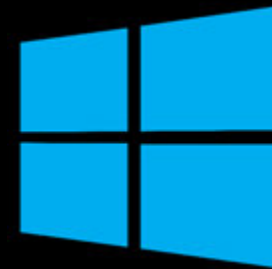
Traditional On-Premise Deployment Options



**Traditional
On-Premise
Servers**

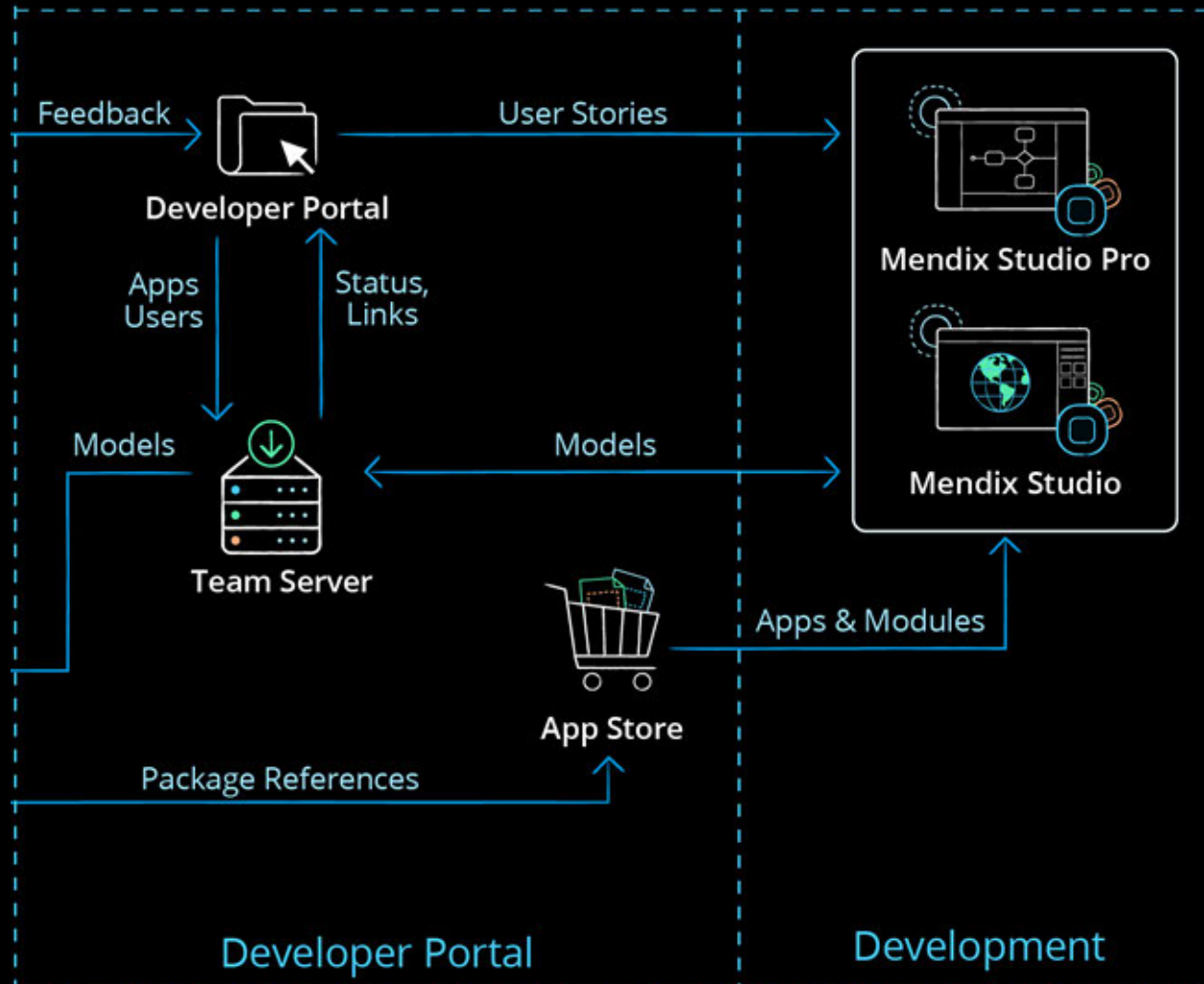


Linux
Server

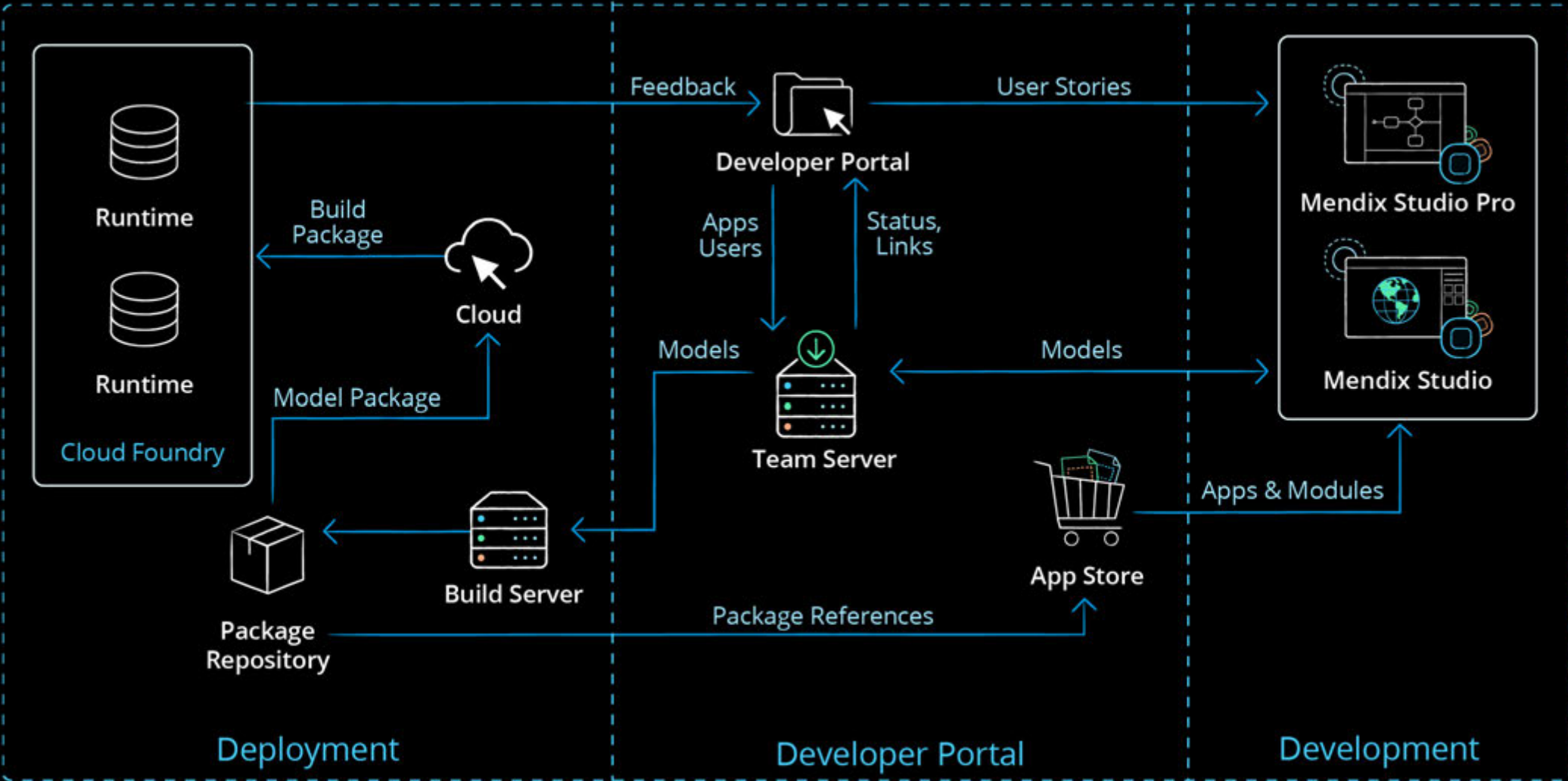


Windows
Server

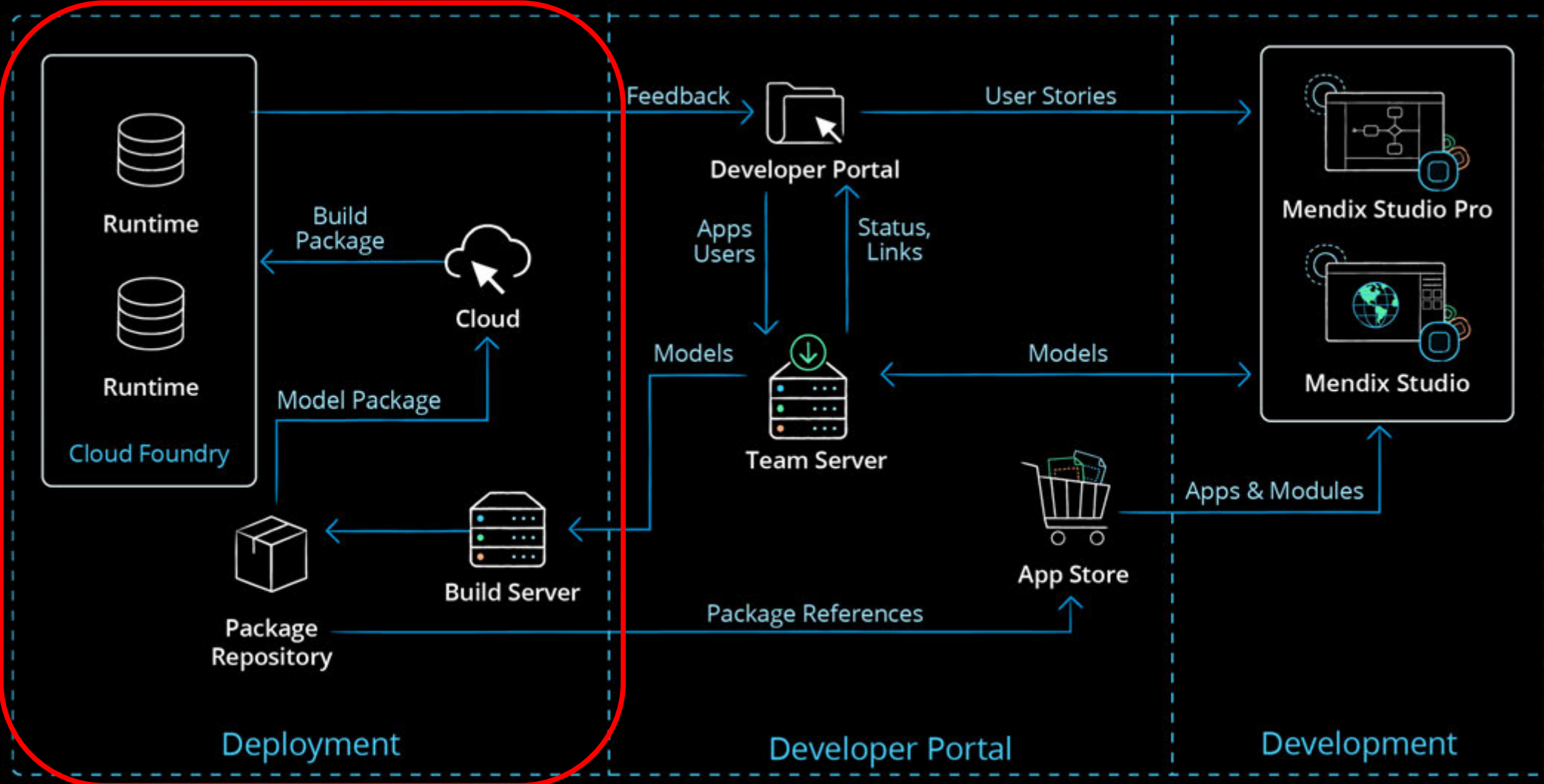
Services needed to run Mendix



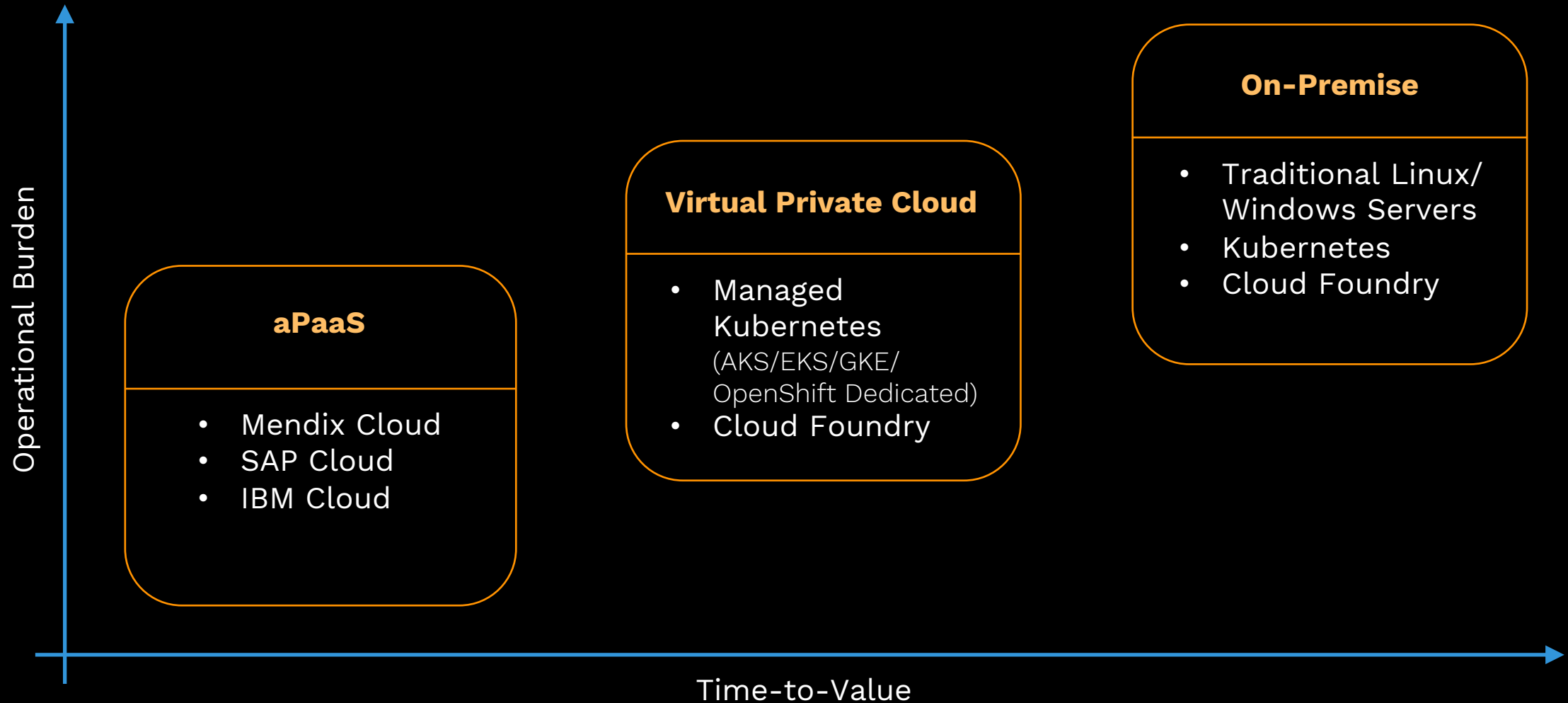
Services needed to run Mendix



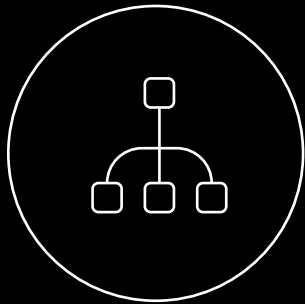
Services needed to run Mendix



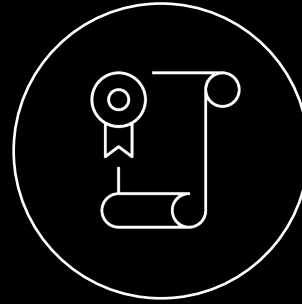
Moving Away from Mendix Cloud Increases Operational Burden...



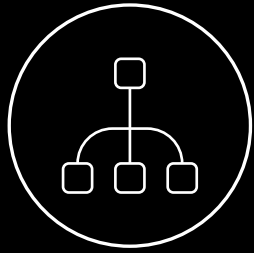
...but Provides Capabilities that May be Crucial to Larger Enterprises



Legacy
(non HTTP-Based)
Service Integration

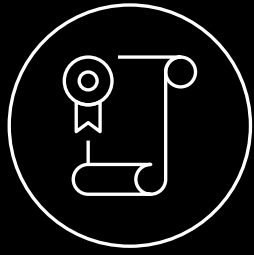


Leverage Existing
Compliancy
Arrangements



Legacy (non HTTP-based) Service Integration

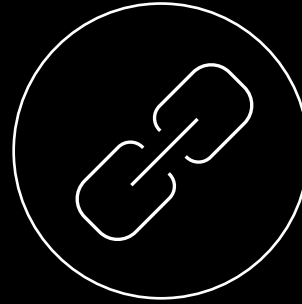
	aPaaS (Mendix Cloud, SAP, IBM Cloud)	VPC	On-Premise
Public HTTP-based			
Public Non-HTTP based			
Private HTTP-based	<ul style="list-style-type: none"> • SAP Cloud Connector • Reverse Proxy • API Gateway 		
Private Non-HTTP based			



Leverage Existing Compliancy Arrangements

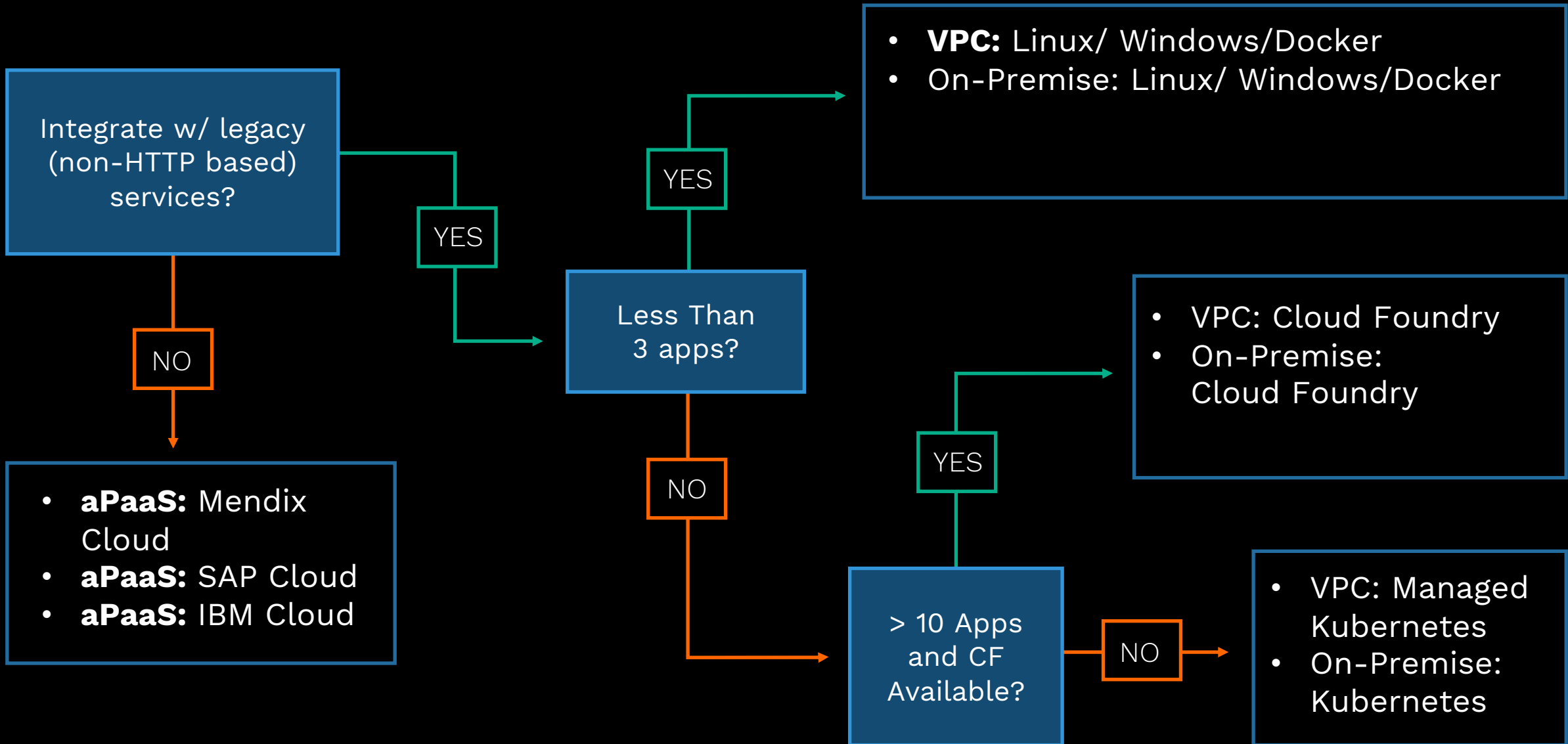


Skip internal approval procedures for Cloud usage



Leverage existing technical measures for secure Cloud usage

...and shorten time-to-value!



This decision tree excludes
Compliance considerations

Mendix Enterprise Deployment Trends

Mendix Cloud	SAP & IBM Cloud	Virtual Private Cloud	Traditional On-Premise
<ul style="list-style-type: none">• Fast majority of Mendix (enterprise) customers deploy in Mendix Cloud.• Legacy integration typically using HTTP reverse proxies and API gateways.• CI/CD integration using Mendix Build & Deploy APIs, typically using Jenkins.	<ul style="list-style-type: none">• Significant portion of Mendix customers on the SAP cloud are existing SAP customers.• Often have the desire to use SAP Cloud Connector to access SAP services.	<ul style="list-style-type: none">• Majority of VPC customers run on Azure Kubernetes Service. DIY Kubernetes (on AWS) and AWS EKS are runner-ups. Often managed by third-party service provider.• Azure DevOps most adopted CI/CD solution. Followed by Jenkins and Gitlab CI.• Collaboration between teams responsible for Mendix and Operations crucial for success.	<ul style="list-style-type: none">• Majority of on-premise customers run traditional servers, followed by Cloud Foundry.• Recently rise in early adopters of Docker Swarm & Kubernetes (namely Red Hat OpenShift) on-premise. Often managed by third-party service provider.

Key Take-Aways

- ▶ aPaaS deployment models (Mendix Cloud, SAP Cloud, IBM Cloud) provide great out-of-the-box value sufficient for the vast majority of apps.
- ▶ Moving away from aPaaS comes with operational burden. Specific capabilities may make a move to VPC or on-premise desirable for (larger) enterprises.
- ▶ **Upcoming Mendix Native Kubernetes integration will soften the operational burden and time-to-value disadvantages of VPC and on-premise deployment options.**

Mendix Expert Services is available to assist you on this topic with:

- Tailored advice on choosing deployment options in your specific situation.
- Organizational support in helping your Ops & Mendix teams understand each other.
- Technical support in setting up Mendix using the various deployment options and achieving secure integration with legacy on-premises services.