

# Windows & SQL Server Migration to Azure



# Overview



# 什麼是 Windows & SQL Server Migration to Azure ?

- 提供探索及評估 Windows VM、公開應用程式相依性、提供虛擬機器大小調整建議，以及大規模移轉您的工作負載。
- 同時使用 Azure 資料庫移轉服務是一個完全受控的服務，其設計目的是能夠從多個資料庫來源無縫移轉到 Azure 資料平台，將停機時間降到最低。

# Windows & SQL Server Migration to Azure 的好處

- 提供 Azure 的簡化移轉、現代化和優化服務。基礎結構、資料和應用程式包含所有預先移轉步驟，例如探索、評量和正確調整內部部署資源的大小。
- 提供客戶全方位、高可用性的解決方案。此服務會使用 Data Migration Assistant 來產生評量報告，以提供建議，以引導您在移轉之前完成必要的變更。

# 解決什麼挑戰

- 提供一個既有彈性又可供使用的可靠工作負載。
- 思考應用程式從設計和實作到部署與作業之整個生命週期的安全性。
- 設計雲端解決方案時，提供成本最佳化的估算。
- 應用程式部署自動化，以降低人為錯誤的機會。
- 如何設計和改進 Azure 工作負載效能效率狀態。

# Azure Migrate



跨 Azure 和流行的 ISV 評估和遷移工具的可擴展方法。

統一遷移平台



跨遷移所有階段的集成體驗，以及服務器和數據庫遷移的端到端進度跟踪。

工具範圍



評估和遷移大型 VMware、Hyper-V 和物理服務器以及多個數據庫目標，包括 Azure SQL 數據庫和託管實例。

評估和遷移



將 Web 應用程序和離線數據從本地遷移到 Azure 的多種選擇。

# 關鍵遷移方案



## Windows and Linux

VMware, Hyper-V,  
Physical, Other Clouds



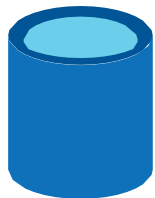
## Virtual Desktop



## SQL and other databases



## Web apps



## Data

# 整合工具

## 整合發現、評估和遷移功能

Tool	Assess/Migrate	Details
Azure Migrate: Server Assessment	Assess servers	Discover and assess on-prem VMware VMs, Hyper-V VMs, and physical servers
Azure Migrate: Server Migration	Migrate servers	Migrate VMware VMs, Hyper-V VMs, physical servers, as well as other virtualized machines, and public cloud VMs, to Azure.
Database Migration Assistant (DMA)		
Database Migration Service (DMS)		









# ISV Integration

Powered by Microsoft and extensible with ISV partner tools

Select assessment tool | Select migration tool | Review + add tool(s)

AllScripts123 will be used to store discovery, assessment and migration metadata reported by the on-premises environment. If you want to use a different migrate project to add tool to go to "Servers", select the migrate project and click on "+Assessment tool" or "+Migration tool" to add assessment or migration tools respectively. [Learn more](#)

Start by choosing a server discovery and assessment tool. We recommend that you discover and assess your datacenter to determine migration readiness.

Tool	Pricing	Supported Workloads	Features	Learn more
 <b>Cloudamize: Cloud Assessment</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Workloads on other public clouds	Agentless or agent-based discovery Cost planning and optimal right sizing Application dependency analysis Cloud migration planning	<a href="#">Learn more</a>
 <b>Corent Tech: SurPaaS MaaS</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Workloads on other public clouds	Agentless or agent-based discovery Cost planning and optimal right sizing Application dependency analysis Cloud migration planning	<a href="#">Learn more</a>
 <b>Device42: Device42</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Workloads on other public clouds	Agentless discovery Cost planning and optimal right sizing Application dependency analysis Application workload grouping	<a href="#">Learn more</a>
 <b>Turbonomic: Turbonomic</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Workloads on other public clouds	Agentless discovery Cost planning and optimal right sizing Application dependency analysis Cloud migration planning	<a href="#">Learn more</a>
 <b>UnifyCloud: CloudRecon</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Workloads on other public clouds	Agentless or agent-based discovery Cost planning and optimal right sizing Application dependency analysis Cloud migration planning	<a href="#">Learn more</a>
 <b>Movere: Movere</b>	<a href="#">View</a>	VMware, Hyper-V and Xen virtual machines Physical machines Workstations (including VDI)	Agentless or agent-based discovery Cost planning and optimal right sizing Application dependency analysis	<a href="#">Learn more</a>




## Assessment Tools

## Migration Tools

Select assessment tool | Select migration tool | Review + add tool(s)

AllScripts123 will be used to store discovery, assessment and migration metadata reported by the on-premises environment. If you want to use a different migrate project to add tool(s), go to "Servers", select the migrate project and click on "+Assessment tool" or "+Migration tool" to add assessment or migration tools respectively. [Learn more](#)

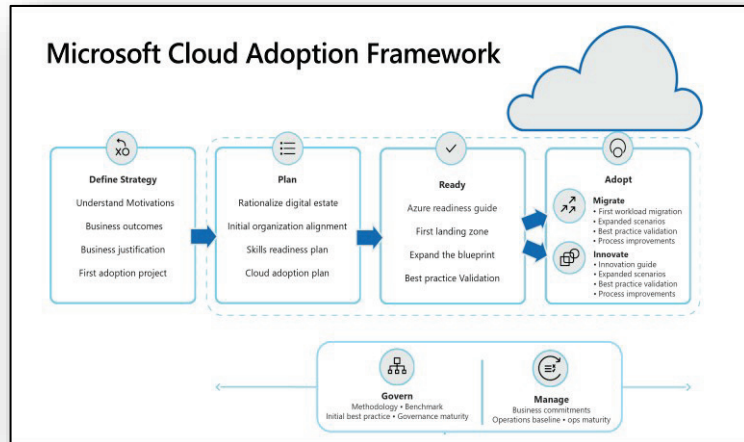
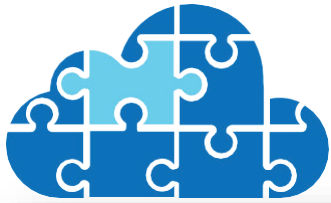
Choose a tool to migrate your on-premises servers to Azure.

Tool	Pricing	Supported Workloads	Features	Learn more
 <b>Carbonite: Carbonite Migrate</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Migration from other public clouds	Supports Windows and Linux Agent-based migration Cutover in seconds Minimal application downtime	<a href="#">Learn more</a>
 <b>Corent Tech: SurPaaS MaaS</b>	<a href="#">View</a>	VMware and Hyper-V virtual machines Physical machines Migration from other public clouds	Supports Windows, Linux, Unix Agent-based migration Cutover in seconds Minimal application downtime	<a href="#">Learn more</a>
 <b>RackWare: Cloud Migration</b>	<a href="#">View</a>	VMware, Hyper-V, Xen and KVM virtual machines Physical machines Migration from other public clouds	Supports Windows and Linux Agentless migration Cutover in seconds Minimal application downtime	<a href="#">Learn more</a>

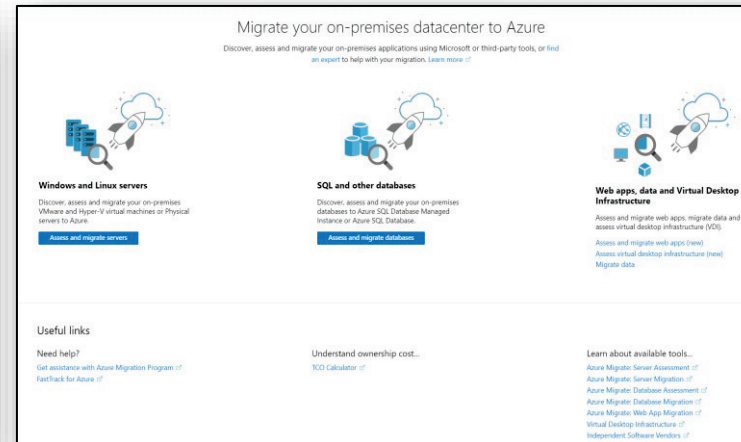
Note: Visit the ISV tool's website to learn more about tool capabilities.  
Don't see a tool that you are looking for? We are continuously adding support for more ISV tools. [Learn more](#)

Skip adding a migration tool for now

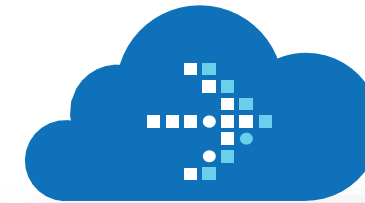
# Azure Migration—process, product, and program



Microsoft Cloud Adoption Framework



Azure Migrate



**Join the Azure Migration Program**

Begin your migration journey by submitting an application to join the program. We'll get back to you with the right combination of resources for your needs.

Customers | Partners | Microsoft account teams

Organizations of all sizes can apply to get help on their migration projects.

First name  Last name

Phone  Email

Country/Region  Company name

India

How many on-premises virtual machines or servers are you planning to migrate?

How many on-premises database instances are you planning to migrate?

Note: A database instance is one database engine which may contain multiple databases.

Do you already have an Azure subscription?  Yes  No

**What is the Azure Migration Program?**

- Curated, step-by-step guidance** from Microsoft experts and specialized migration partners based on the proven Microsoft Cloud Adoption Framework for Azure.
- Technical skill building** with foundational and role-specific courses to develop new Azure skills and long-term organizational readiness.
- Free Azure migration tools**, including Azure Migrate to assess and migrate workloads, and free Azure Cost Management to optimize costs.
- Offers to reduce migration costs**, including Azure Hybrid Benefit and free Extended Security Updates for Windows Server and SQL Server 2008.

Azure Migration Program

