

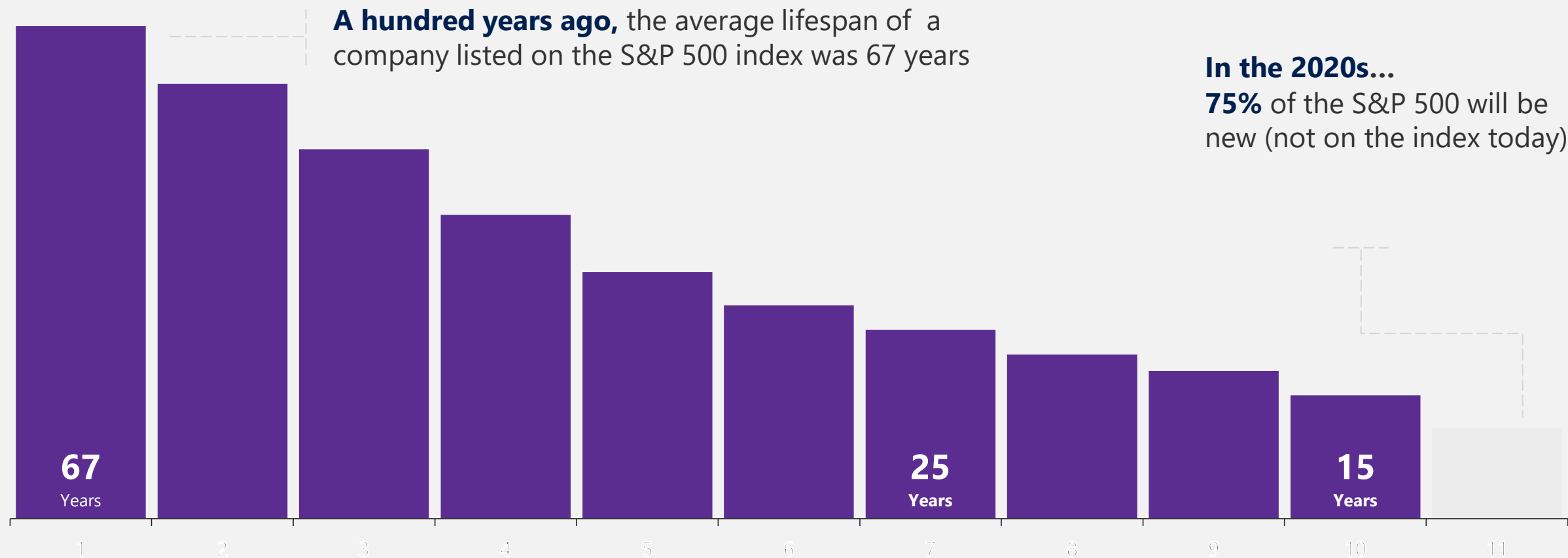
« Optimize & Transform »

Microsoft Data Platform

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Le temps pour s'adapter aux disruptions a diminué



Source: BBC

Que font les entreprises qui se transforment



Improving visibility and making accurate predictions with fraud detection or remote monitoring



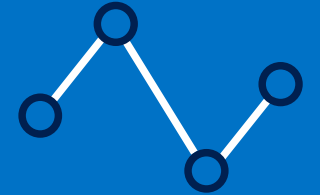
Getting the right products to the right places with inventory management



Offering customers exactly what they want, when they want it, with personalization

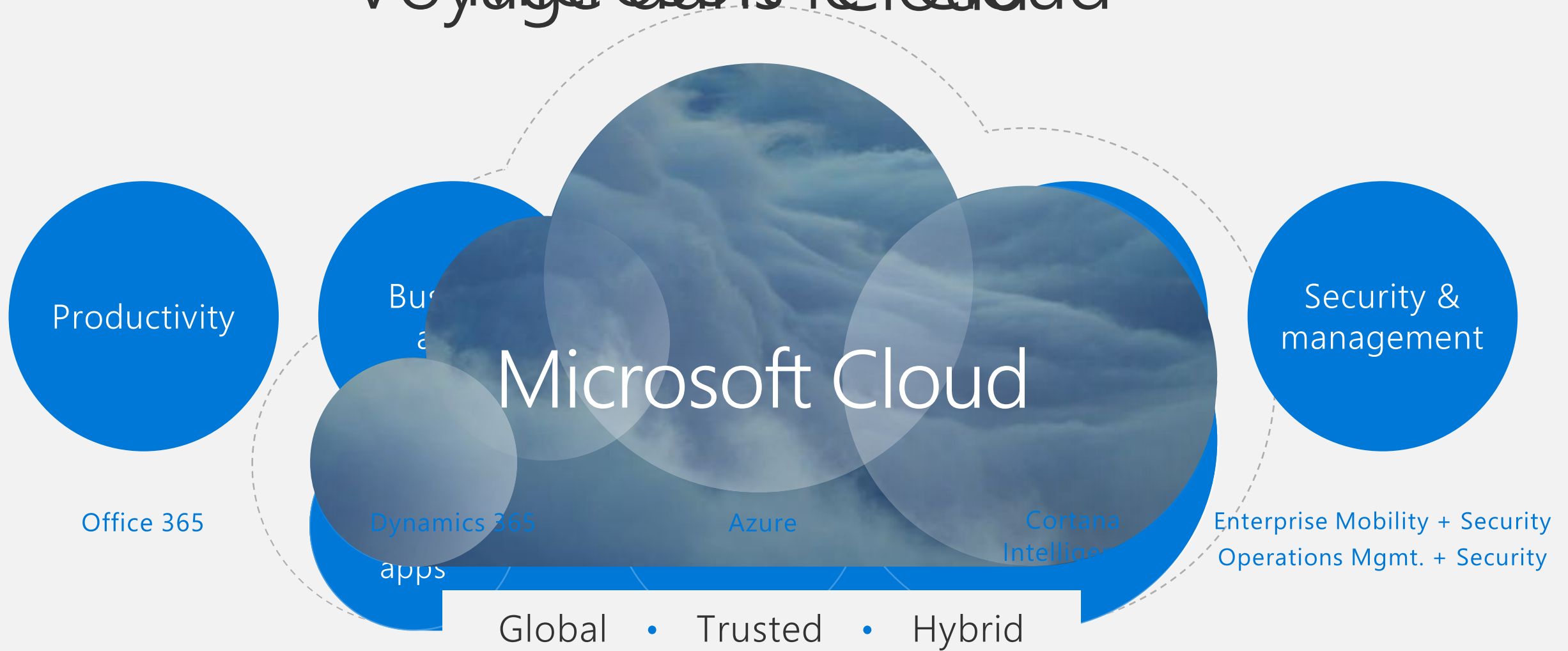


Fixing problems proactively before they start with predictive maintenance

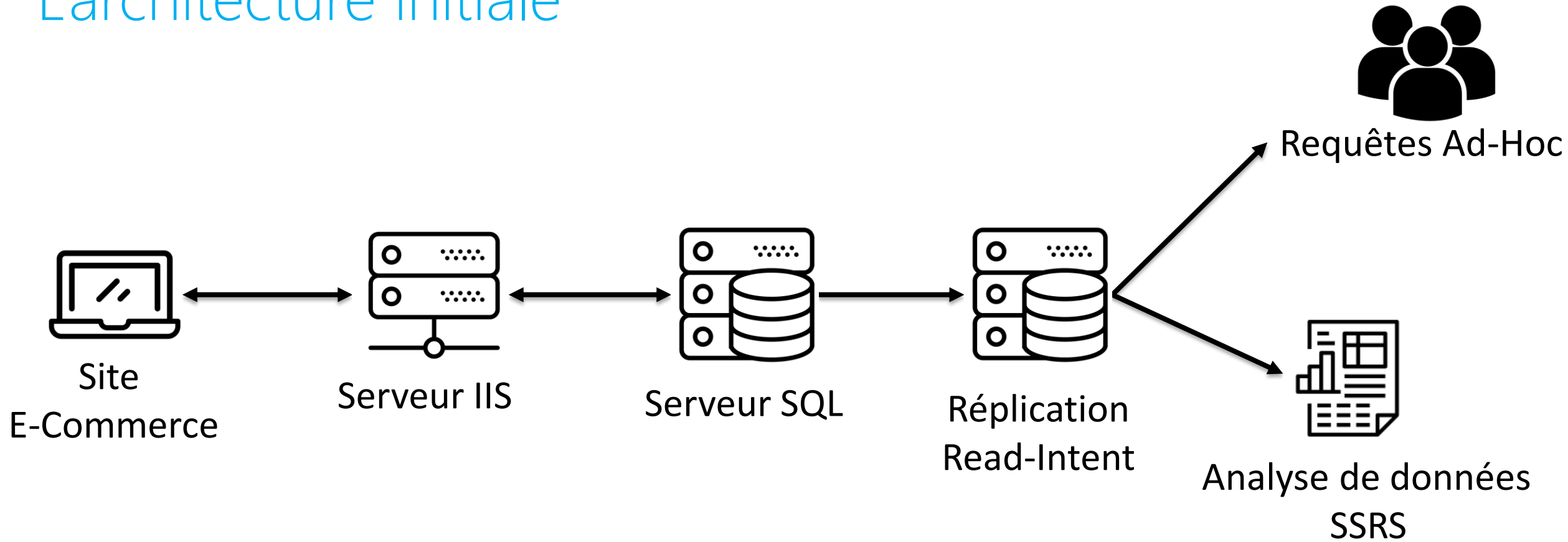


Exploring new business opportunities with data-driven services

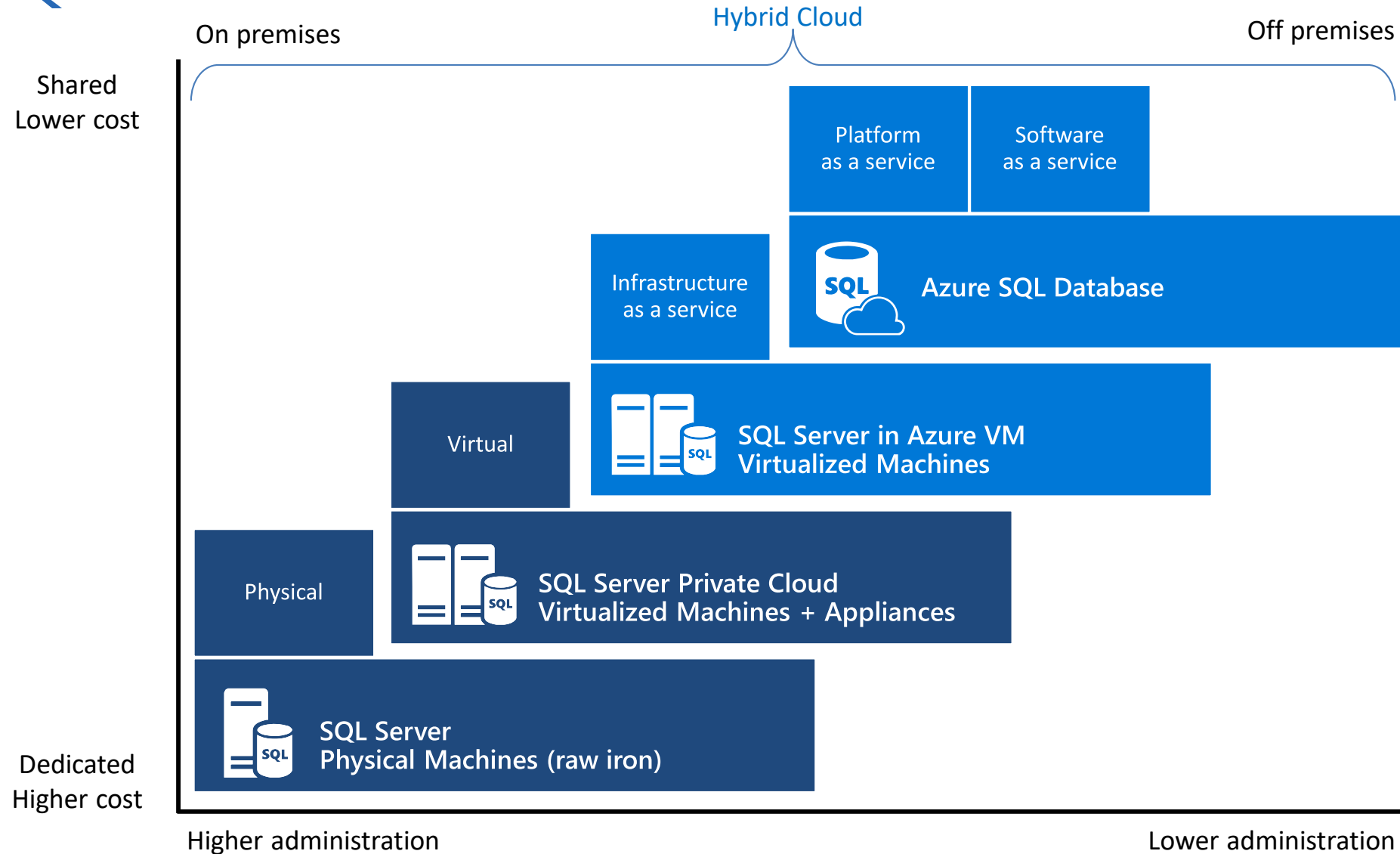
Voyager Microsoft Cloud



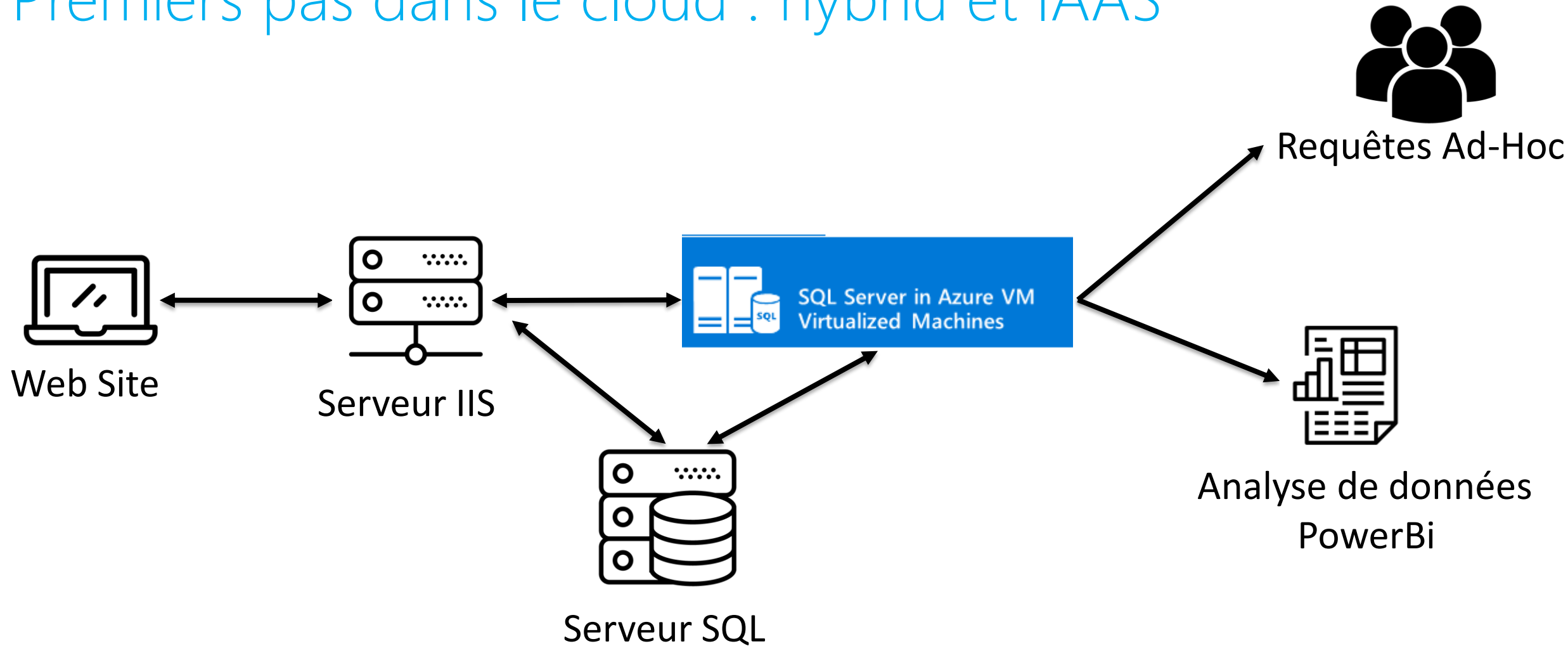
L'architecture initiale



SQL continuum



Premiers pas dans le cloud : hybrid et IAAS



Disponibilité et DR

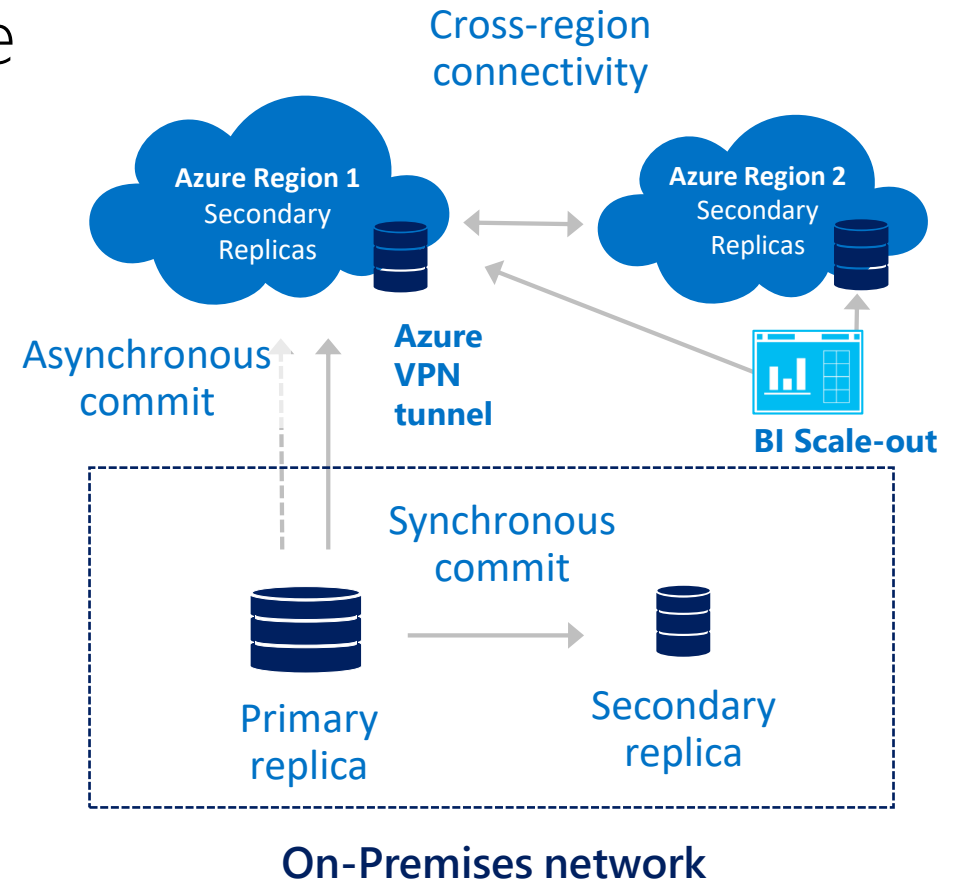
SQL Server 2016 with secondaries in Azure

Few clicks to setup on-premises and hybrid cloud HA & DR

Offload read-only workloads to the closest readable secondary for global BI scale-out

Fast failover on-premises or to cloud

Access private, direct connectivity with ExpressRoute



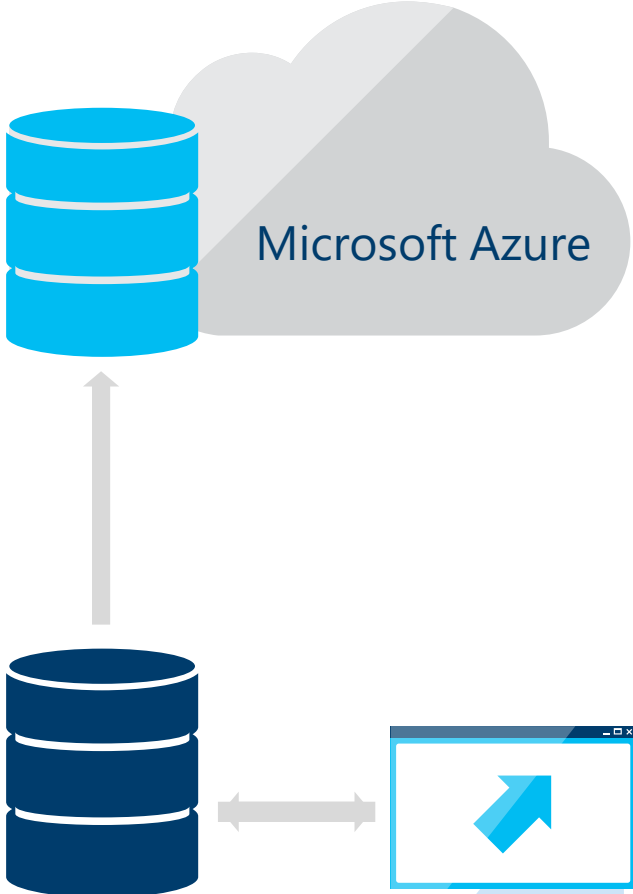
Archivage de données

SQL Server 2016 Stretch DB to Azure

- Cost-effective historical data
- Entire table is online and remains queryable from on-premises apps
- Transparent to applications
- Supports Always Encrypted & Row Level Security
- Simple and easy to set up

Jim Gray	ox7ff654ae6d	3/18/2005
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Order history	Stretch to cloud	
<u>Name</u>	<input type="checkbox"/>	Customer data
Jane Doe	<input type="checkbox"/>	Product data
Jim Gray	<input type="checkbox"/>	
John Smith	<input checked="" type="checkbox"/>	Order History
Bill Brown		
Sue Daniels	ypo85ba616rj	5/12/2005
Sarah Jones	bns51ra806fd	5/22/2005
Jake Marks	mci12hh906fj	6/07/2005
Eric Mears	utb76b916gi	6/18/2014
Rachel Hogan	px61hi9306fj	7/1/2014
Sam Johnson	ol43bi506gd	7/12/2014
David Simon	tx83hal916fi	7/29/2014
Michelle Burns	nb95re926gi	8/10/2014
Reed Dean	yc61ira536fo	8/23/2014



Stockage dans le cloud

Backup data for added efficiencies

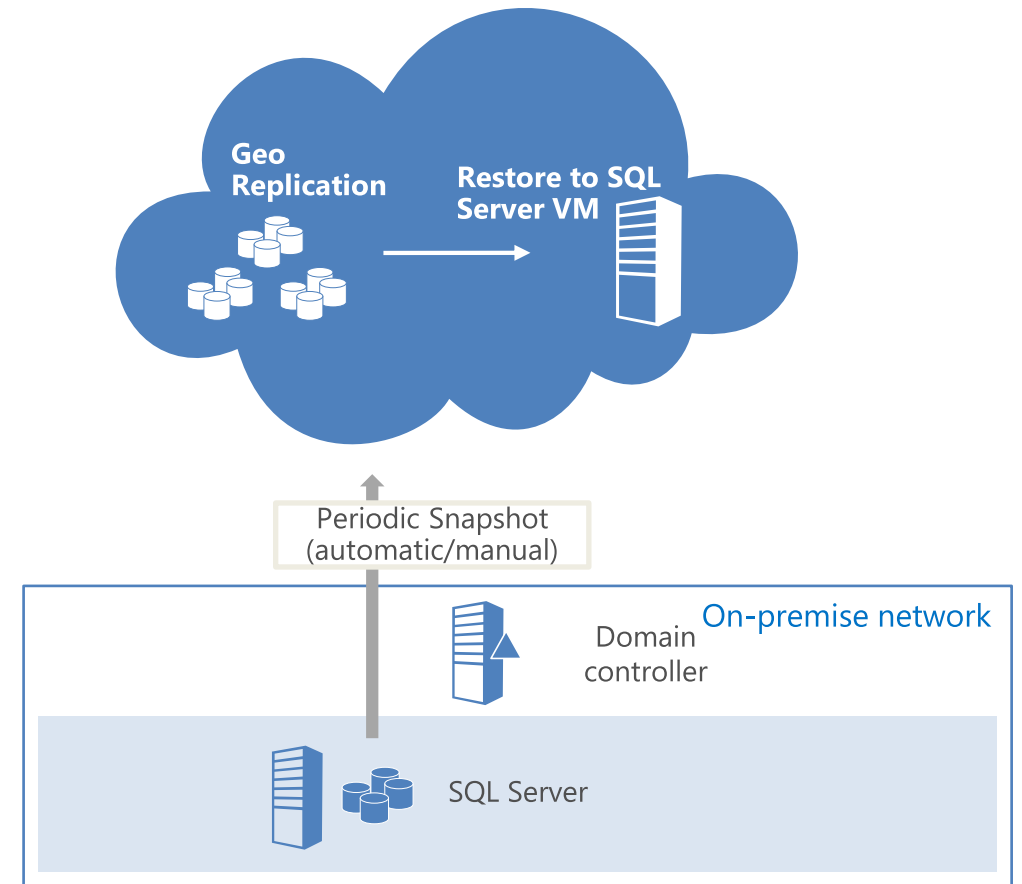
Pay only for storage utilized

Geo-replication built-in for added assurance

Fast disaster recovery (low RTO)

Easy to deploy and manage

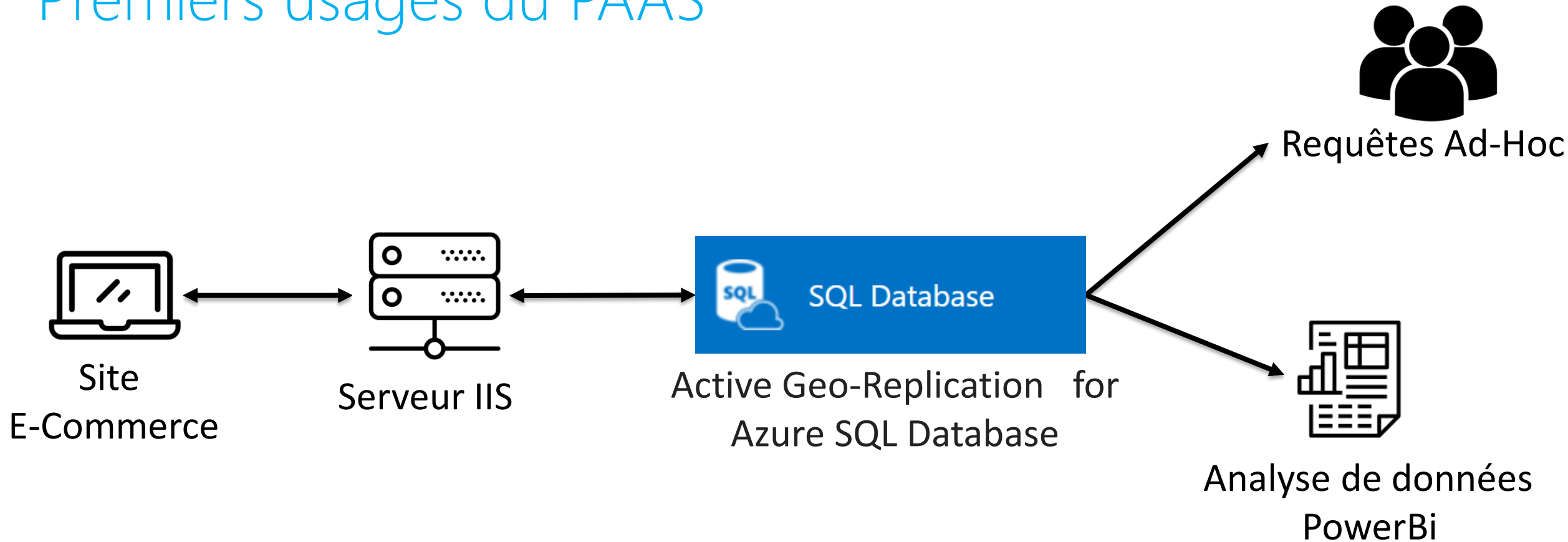
Provides data localization



DEMO

sauvegarde d'une base de
données dans un stockage
Azure

Premiers usages du PAAS



Why PaaS for data stores?

If you host your database, you are responsible for...

App Optimization



Scaling



High Availability



Disaster Recovery



Backup



Database Patches



OS Patches



Why PaaS for data stores?

If you use a managed Data Service,
you are responsible for...

Focus on your app and your business. Achieve a 406% ROI.
Let Azure Data Services help you build, scale, and innovate.

App Optimization



~~Scaling~~



~~High Availability~~



~~Disaster Recovery~~



~~Backup~~



~~Database Patches~~



~~OS Patches~~



Migrer les app DBs vers Azure

SQL Database for hands-free admin

Assess application portfolio for departmental and legacy apps

Migrate databases to Azure SQL Database

Elastic database pools enable management of thousands of DBs as one

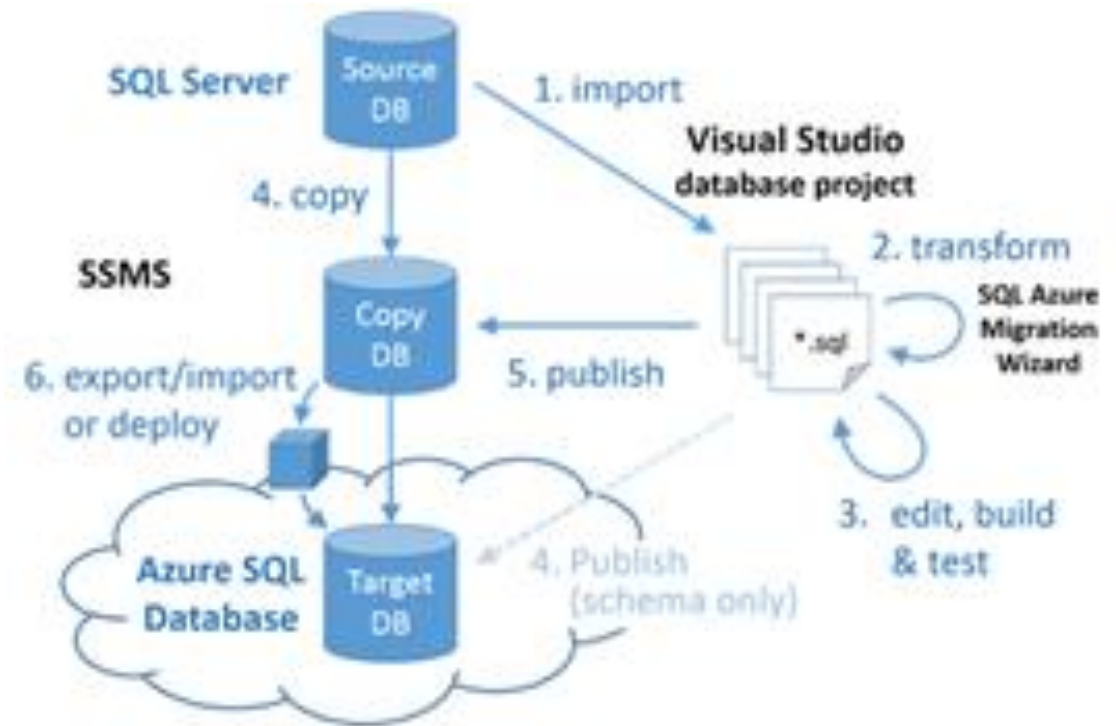
Simple migration with migration tools

Data Migration Assistant <https://www.microsoft.com/en-us/download/details.aspx?id=53595>

(N'est pas SSMA)

Azure SQL Database DTU Calculator

<http://dtucalculator.azurewebsites.net/>



Microsoft IT

A canonical IT infrastructure example

40,000 databases, across
15,000 SQL Server instances

GOAL: move DBs to managed
services in Azure to reduce
costs and IT demands



1

DB Assessment



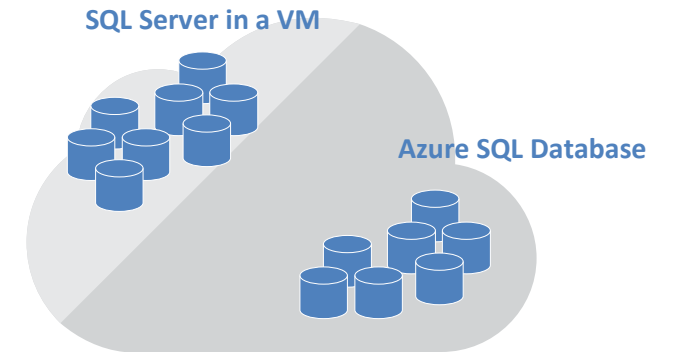
Perform script-based assessment
across environment

53% SQL Database
potentially ready
to be migrated

*That's 21,200 databases!
If 20% of this group
are migrated = **4,200 dbs***

2

Migration

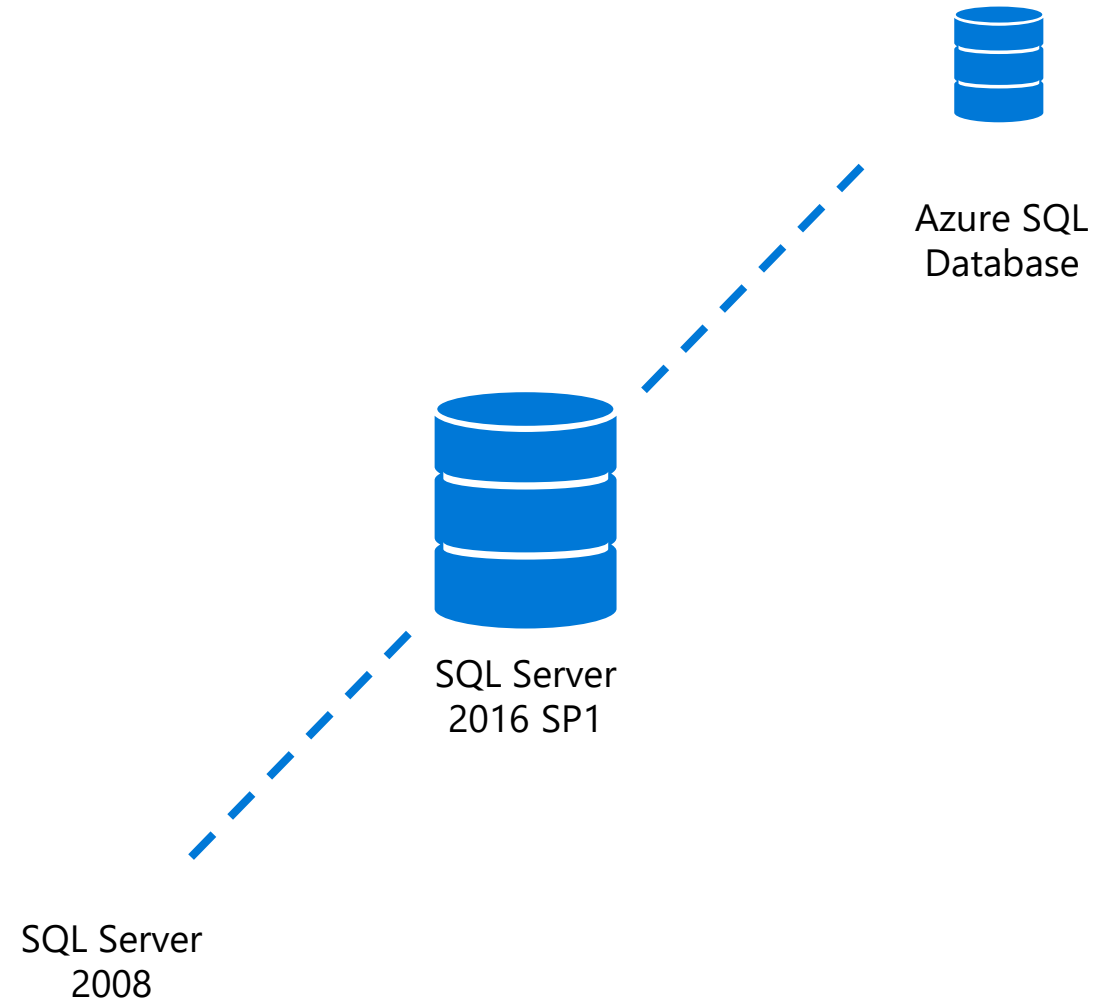


Reduce CAPEX and OPEX, more
migrations to Azure SQL
Database over time.

Your partner to modernize in the cloud

Leverage common code base across products including SQL Server and Azure SQL Database

Be cloud-ready with SQL Server License Mobility, a Software Assurance (SA) benefit and Azure



Azure SQL Database

Intelligent database service with infinite scale

Delivers 406% ROI and 71% fewer cases of downtime*

Manage thousands
of DBs as one



**47% staff hours
reclaimed for other tasks**

“Moving to Elastic Pools will save us a ½ million dollars this year alone.”

Faster time
to market



**75% faster app deployment
cycles**

“We can get things out faster with Azure SQL Database”

Lower TCO



**53% less expensive
than on-prem/hosted**

“To be able to do what we’re doing in Azure, we’d need an investment of millions.”

Greater security



**Built-in security with AI-based
Threat Detection**

“We encrypt when data comes in and decrypt at the point of consumption.”