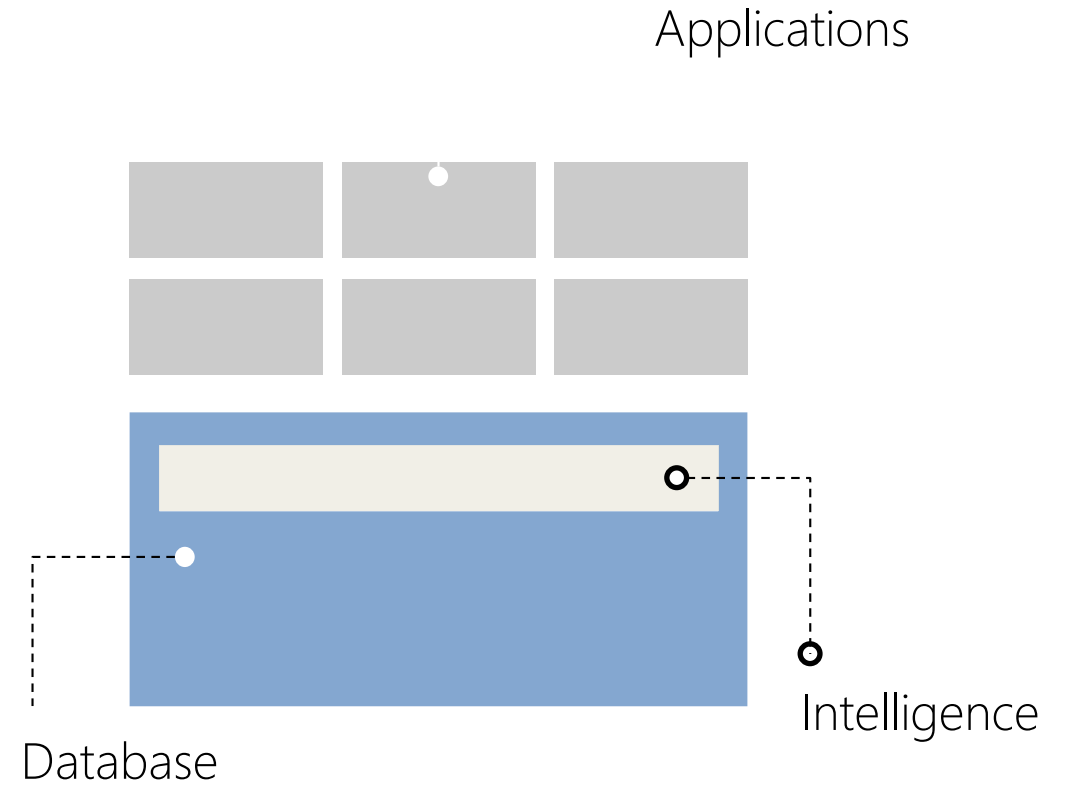
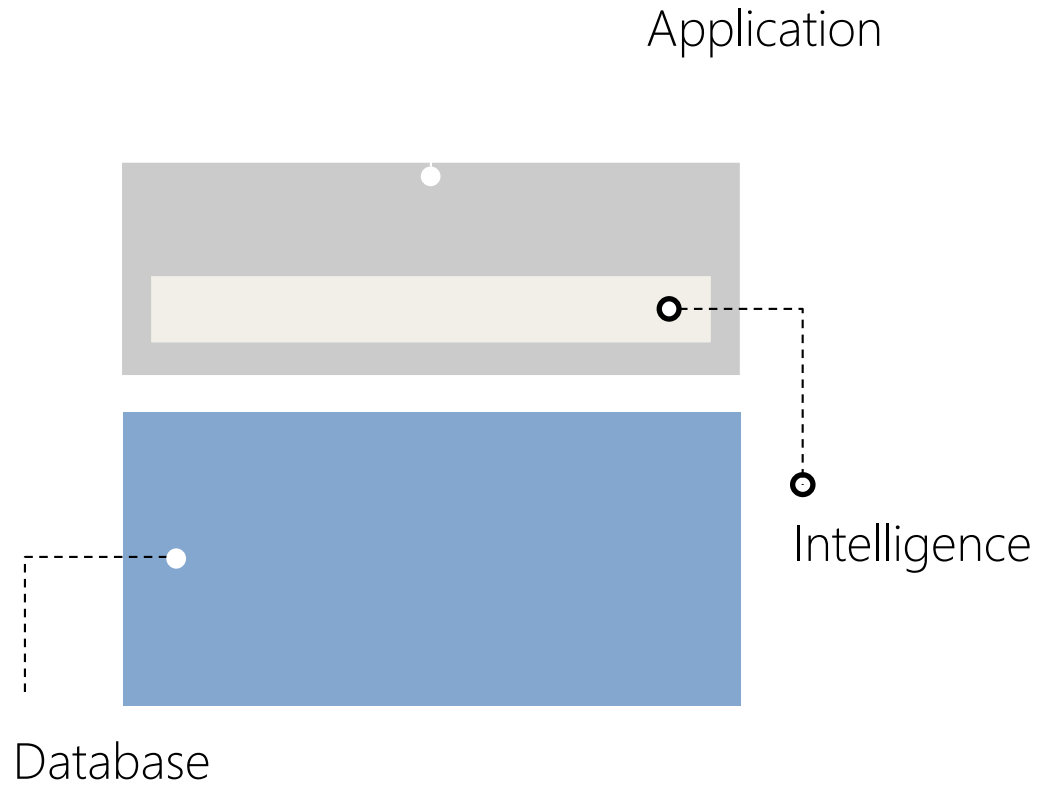


In-data base advanced analytics

Pushing intelligence to where data lives



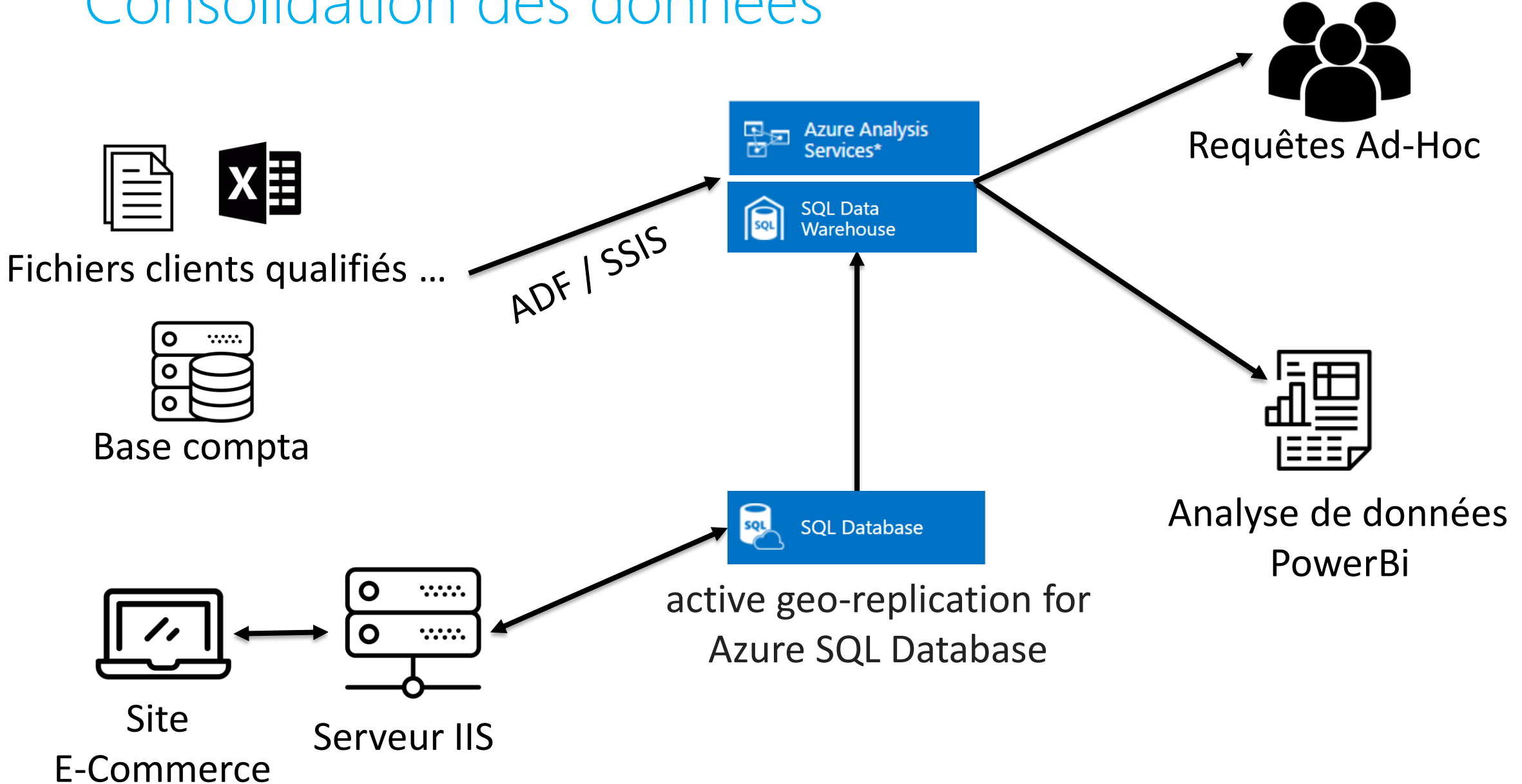
Des données en Mode PAAS

- Azure SQLDB
 - Performance évolutive à la demande sans interruption de service de votre application
 - Restauration à une date précise
 - Réplication géographique avec accès en lecture seule
 - La puissance de SQL Server
 - Facilité de migration depuis l'existant
- DocumentDB (NoSQL)
 - Faible latence
 - Model free
 - Support SQL / Javascript server side
- Azure Table
 - Peu cher
 - API

DEMO

Migrer vers Azure SQL
Database

Consolidation des données



Outil de chargement Azure Data Factory ?

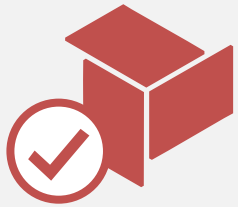
- Azure Data Factory
 - Cloud Only
 - Permet de gérer des flux de données
 - Depuis le cloud ou onprem grâce à une Gateway
 - Powershell, REST API, Fichier JSON
- SSIS
 - N'existe pas en PaaS
 - Permet de gérer des flux de données ainsi que des flux de contrôle
 - GUI riche

DEMO

Azure Data Factory

Azure Analysis Services

Azure Analysis Services is based on the proven analytics engine that has helped organizations turn complex data into a trusted, single source of truth for years



Proven technology

Powerful, proven tabular models built from SQL Server 2016 Analysis Services



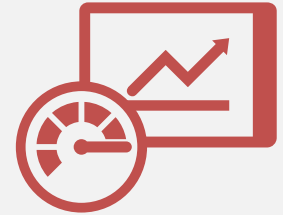
Cloud-powered

Easy to deploy, scale, and manage as a platform-as-a-service solution



Built for hybrid data

Access and model data on-premises, in the cloud, or both



Interactive visualization

Quick, highly interactive self-service data discovery with support of major data visualization tools

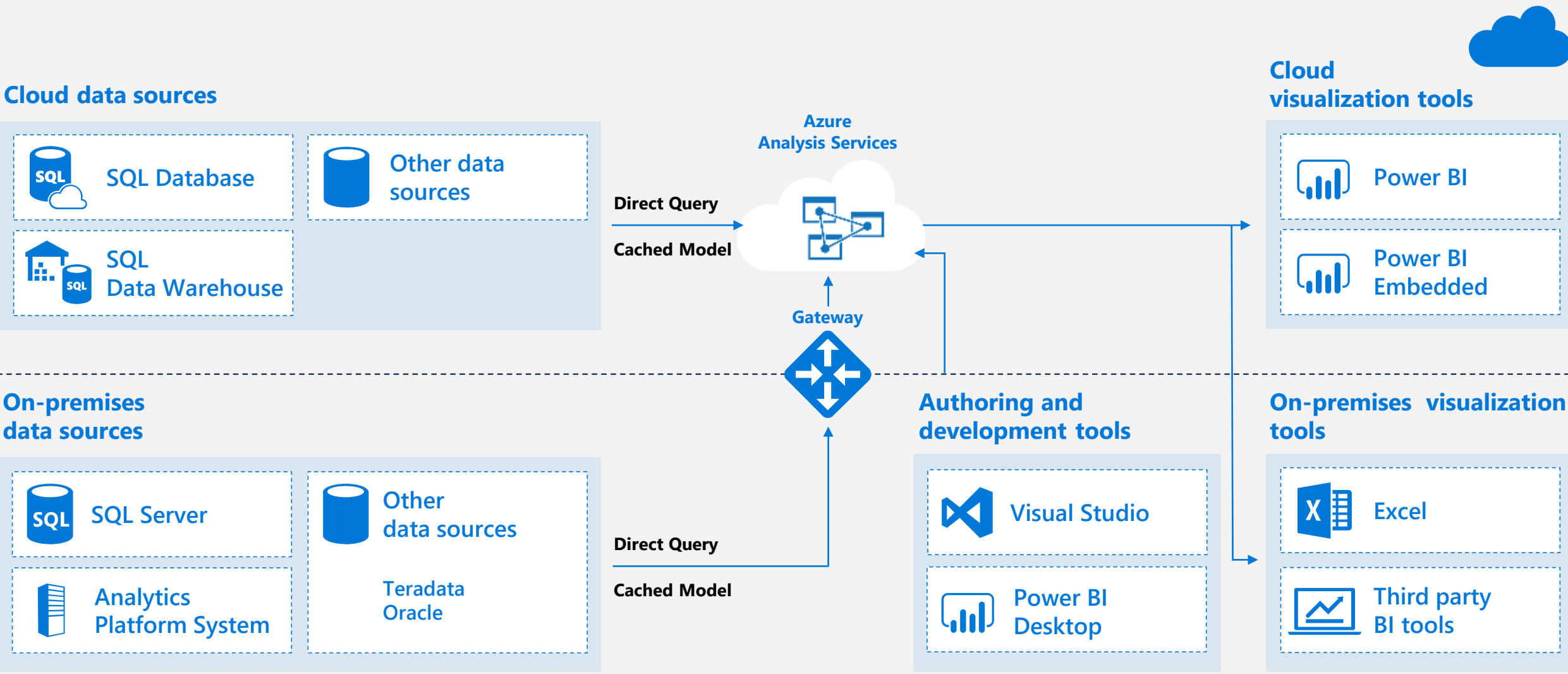
Note: not all capabilities available at public preview

SSAS/Azure Analysis Services Cubes

Reasons to report off cubes instead of the data warehouse:

- Semantic layer
- Handle many concurrent users
- Aggregating data for performance
- Multidimensional analysis
- No joins or relationships
- Hierarchies, KPI's
- Security
- Advanced time-calculations
- Slowly Changing Dimensions (SCD)
- Required for some reporting tools

Azure Analysis Services Architecture



Note: not all capabilities available at public preview



DEMO

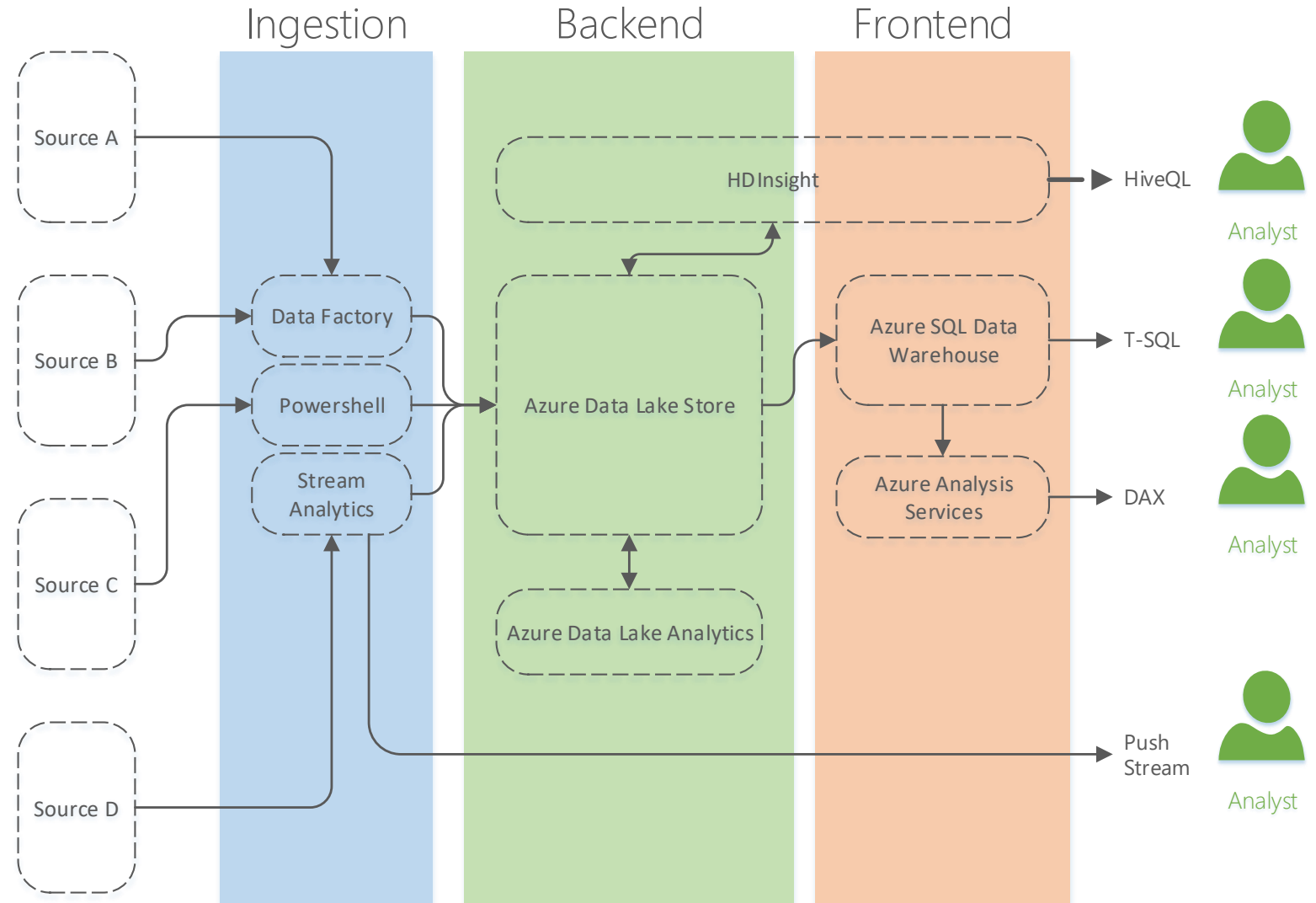
Azure Analysis Services

Autres choix d'architecture

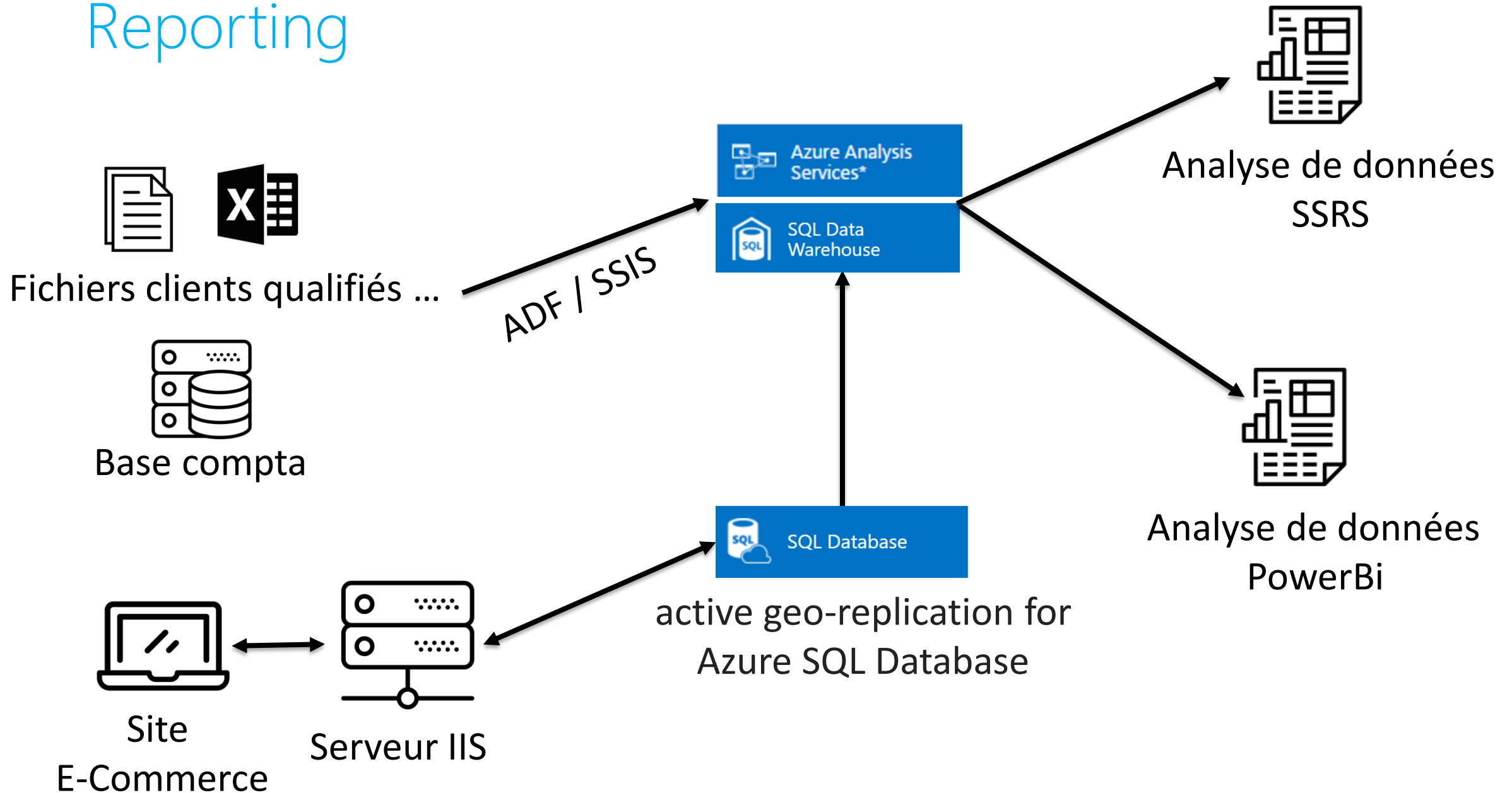
- HDInsight is a viable frontend analytics service
- Security is enabled via AAD
- Share a single copy of data across multiple clusters

Decision Tree

<https://biz-excellence.com/2016/08/30/big-data-dt/>

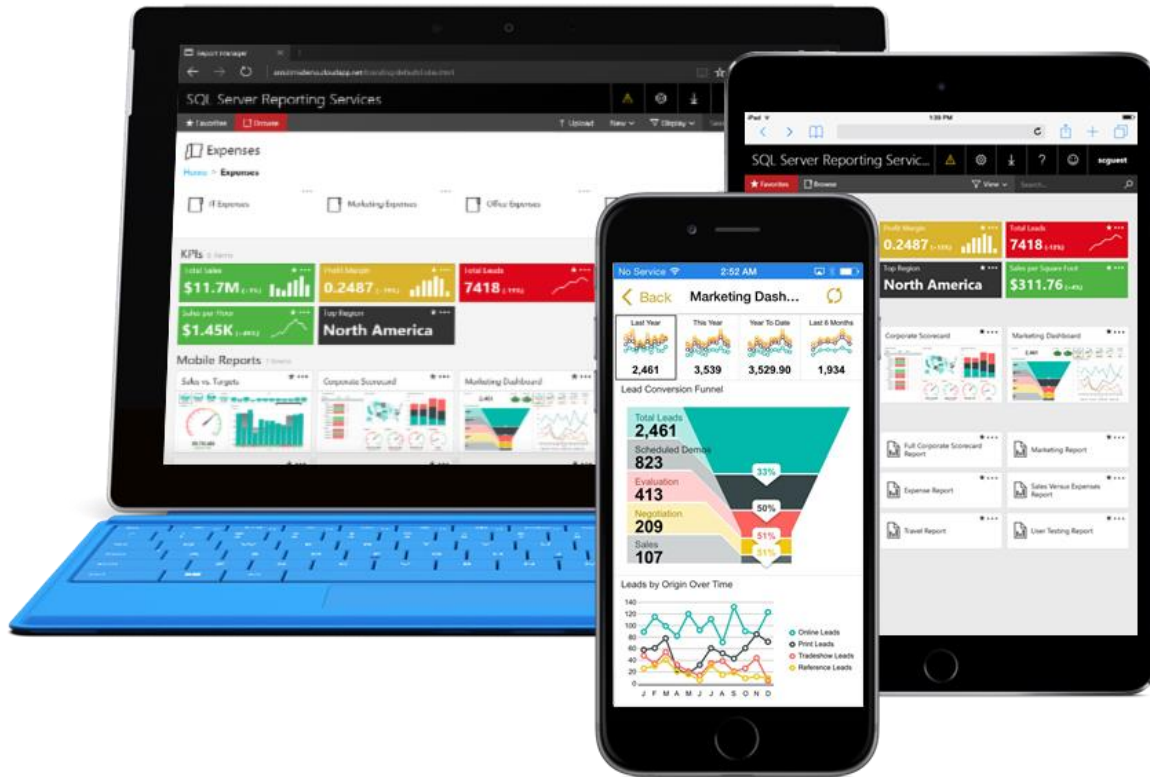


Reporting



SQL Server Reporting Services 2016

On-premises solution for deploying and managing reports



Paginated reports

Design beautiful documents using updated tools and new features



Mobile reports

Create responsive, interactive reports optimized for mobile devices



New web portal

Consume both types of reports in one web portal using modern browsers

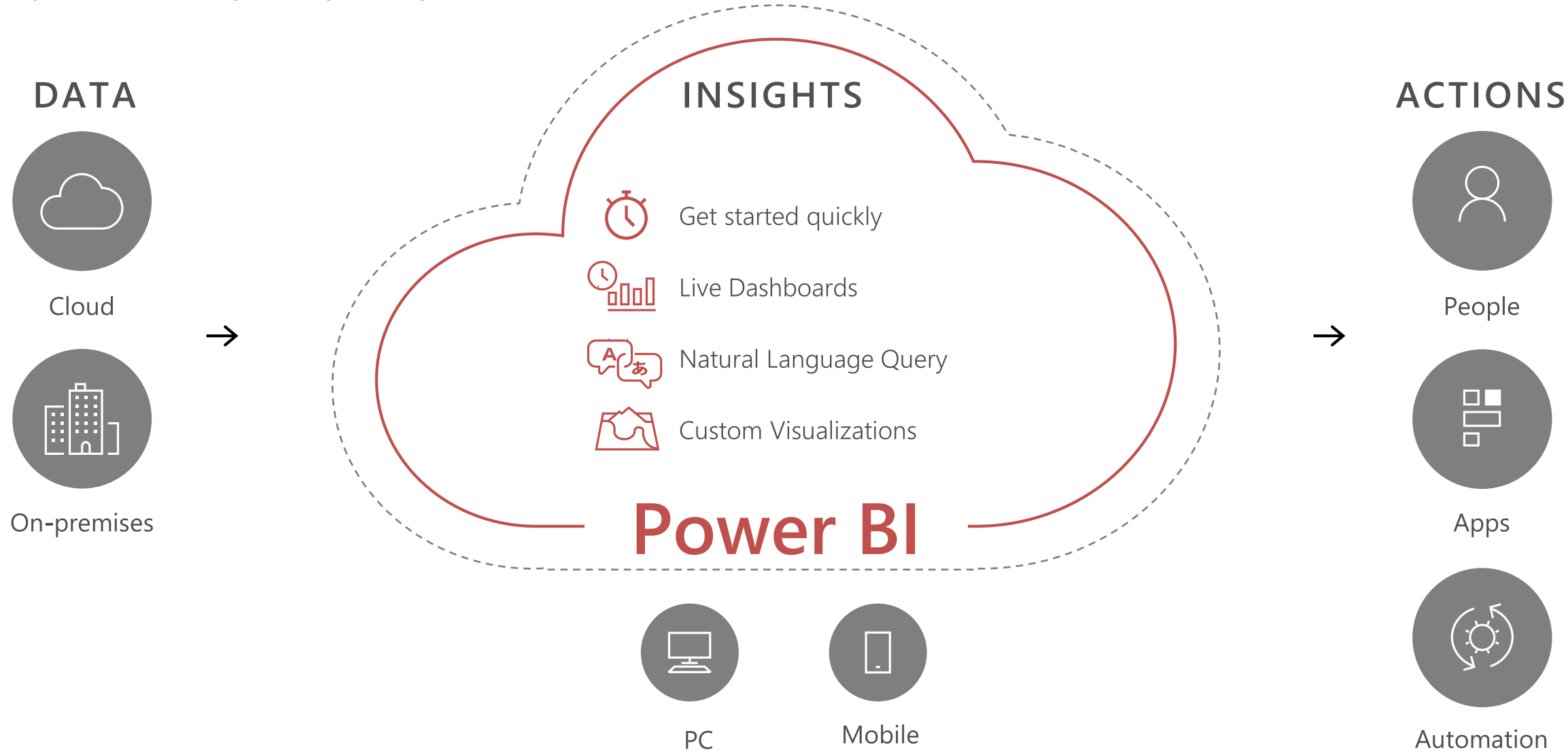


To come

Power bi rapport in Reporting Services

Power BI: experience your data

Any data, any way, anywhere



End-to-end mobile BI on any device



*Reports in minutes vs days
+ PB scale with SQL Server*

Lightning fast with **in-memory** built-in

Powerful modeling + direct query

Rich visualizations using Power BI or
revamped Reporting Services

Online and offline access



Windows



iOS



Android



HTML5

DEMO

Power BI + Azure Analysis Services