

# Virtualisation dans le Cloud

- Portail pour déployer des VM ( AWS - EC2)
  - Puissance / RAM
  - Stockage
  - Réseau
  - Sécurité

# Les niveaux de services

## Cloud Services – Shared Responsibility

On Premises

Infrastructure  
(as a Service)

Platform  
(as a Service)

Software  
(as a Service)

Applications	Applications	Applications	Applications	Managed by: Customer Vendor
Data	Data	Data	Data	
Runtime	Runtime	Runtime	Runtime	
Middleware	Middleware	Middleware	Middleware	
O/S	O/S	O/S	O/S	
Virtualization	Virtualization	Virtualization	Virtualization	
Servers	Servers	Servers	Servers	
Storage	Storage	Storage	Storage	
Networking	Networking	Networking	Networking	

# Offre Azure

## Azure Services

### Platform Services

#### Security and Management

- Portal
- Active Directory
- Multi-Factor Authentication
- Automation
- Key Vault
- Store/ Marketplace
- VM Image Gallery and VM Depot

#### Compute

- Cloud Services
- Service Fabric
- Batch
- Remote App

#### Web and mobile

- Web Apps
- API Apps
- API Management
- Mobile Apps
- Logic Apps
- Notification Hubs

#### Developer services

- Visual Studio
- Azure SDK
- Team Project
- Application Insights

#### Hybrid Operations

- Azure AD Connect Health
- AD Privileged Identity Management
- Backup
- Operational Insights
- Import/Export
- Site Recovery
- StorSimple

#### Integration

- Storage Queues
- BizTalk Services
- Hybrid Connections
- Service Bus

#### Analytics and IoT

- HDInsight
- Machine Learning
- Data Factory
- Event Hubs
- Stream Analytics
- Mobile Engagement

#### Data

- SQL Database
- SQL Data Warehouse
- Redis Cache
- Search
- DocumentDB
- Tables

#### Media and CDN

- Media Services
- Content Delivery Network (CDN)

### Infrastructure Services

#### Compute

- Virtual Machine
- Containers

#### Storage

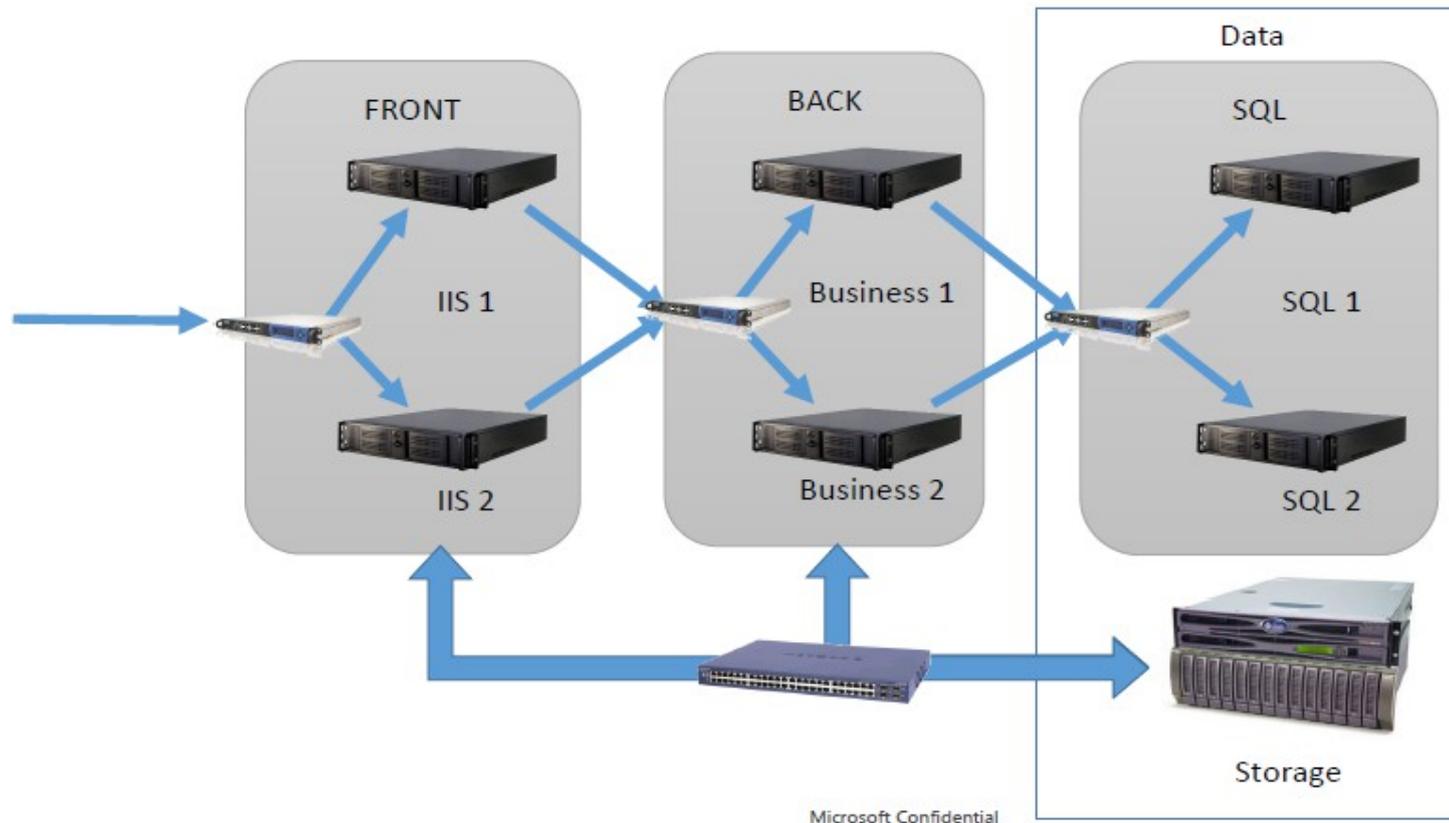
- BLOB Storage
- Azure Files
- Premium Storage

#### Networking

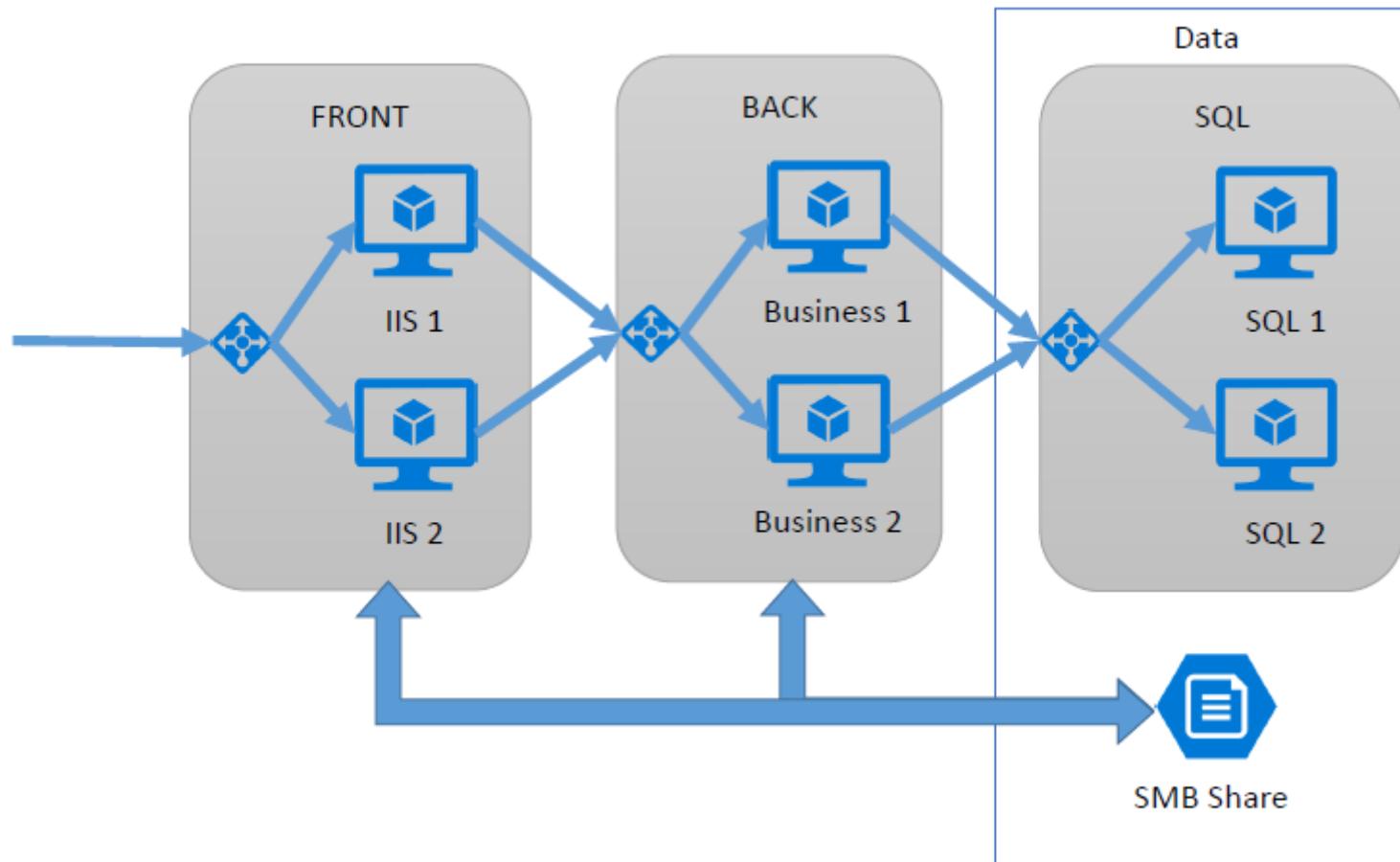
- Virtual Network
- Load Balancer
- DNS
- Express Route
- Traffic Manager
- VPN Gateway
- Application Gateway

# Démarche de virtualisation

On premise infrastructure



# Démarche de virtualisation



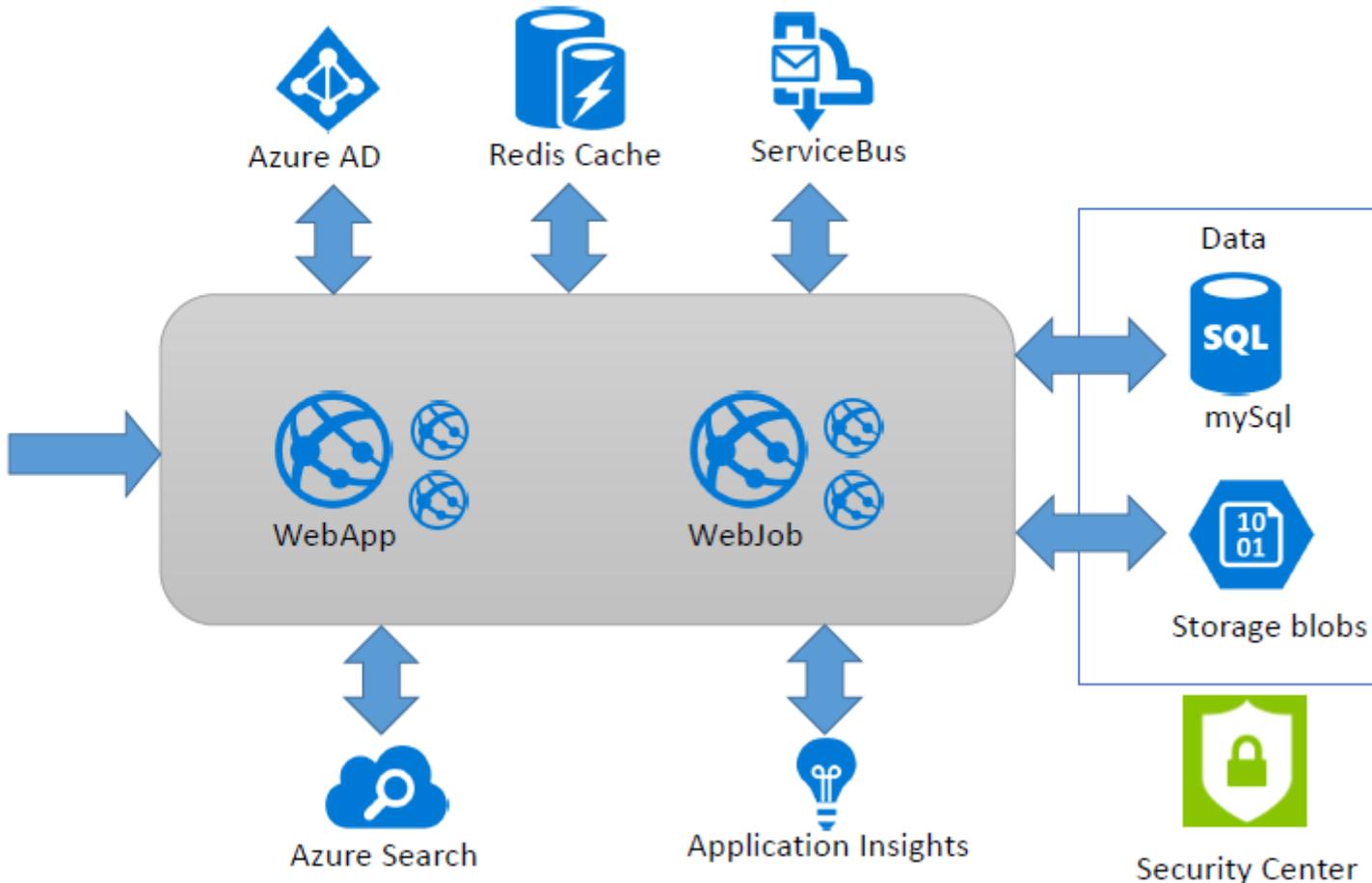
# Démarche de virtualisation

Step 2 : Migrate to PAAS



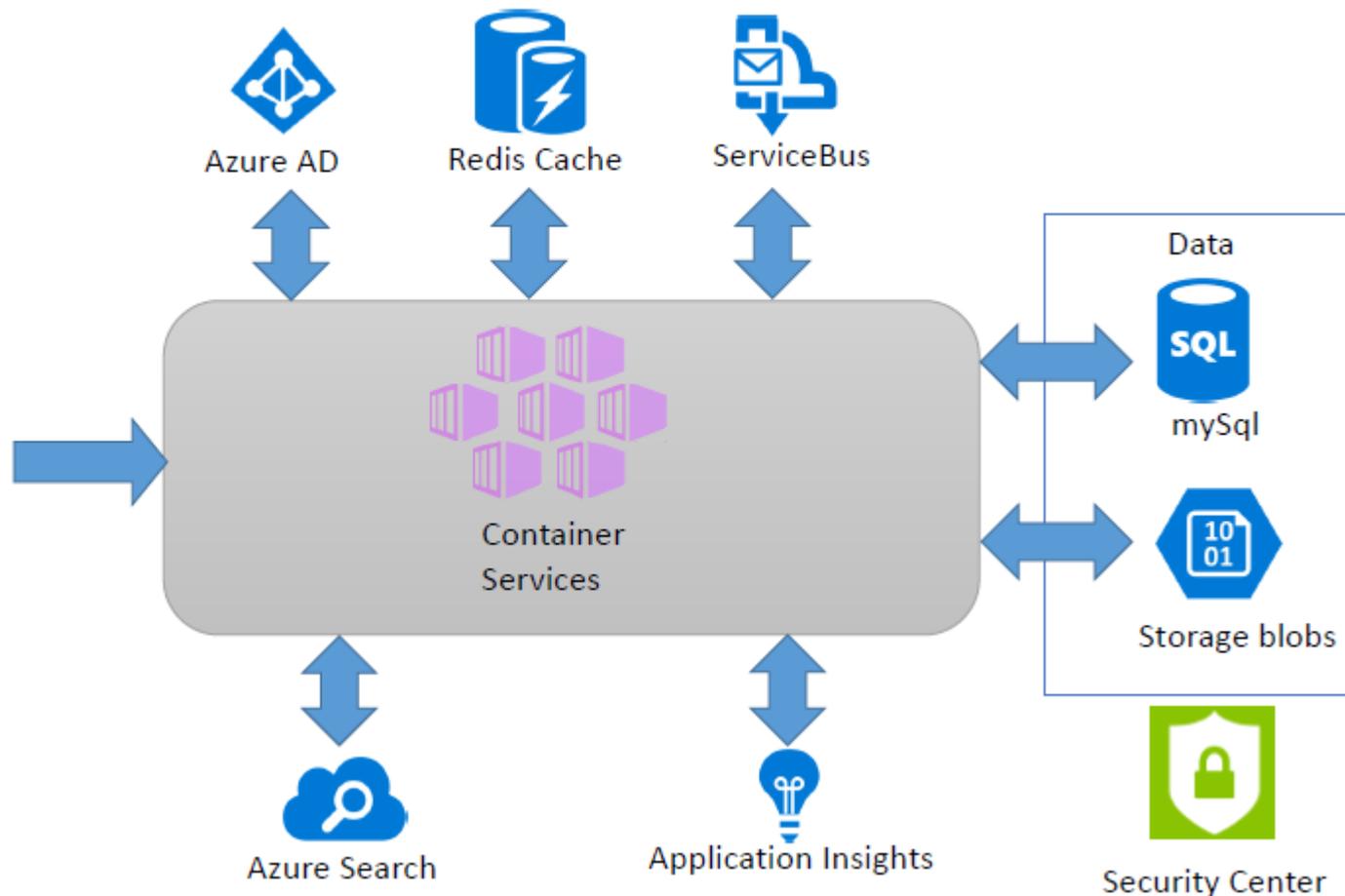
# Démarche de virtualisation

## Step 3 Add features



# Démarche de virtualisation

## Step 4 Touch the future with Docker



# démonstration

- Déploiement Azure