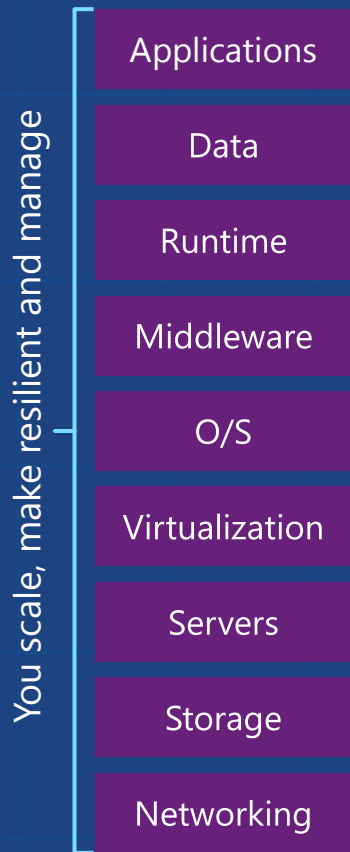


Azure Basics

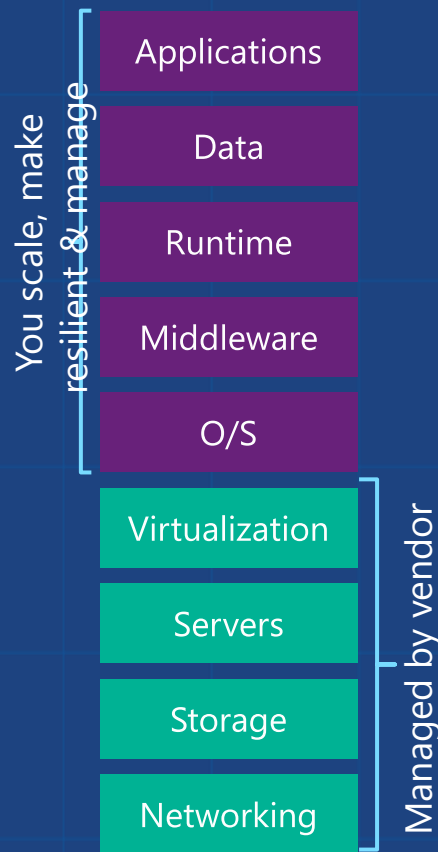
Hosting Models

Hosting models

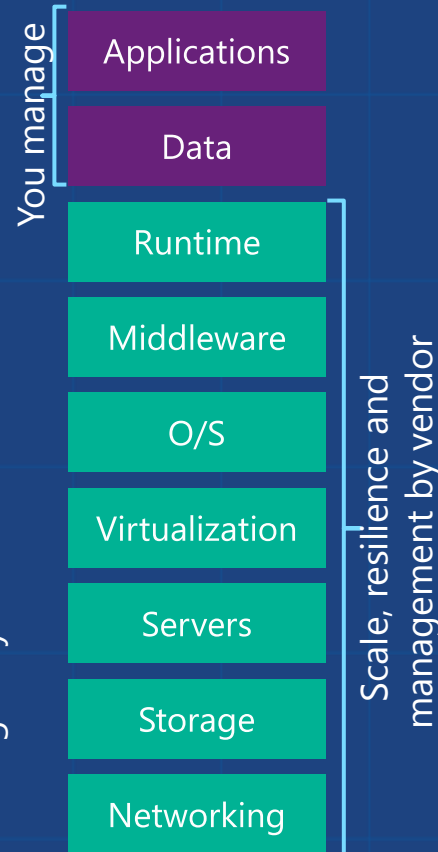
On Premises



Infrastructure (as a Service)

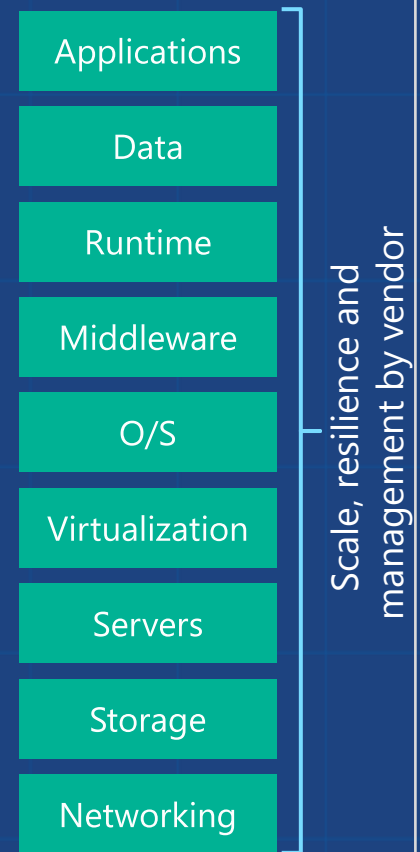


Platform (as a Service)



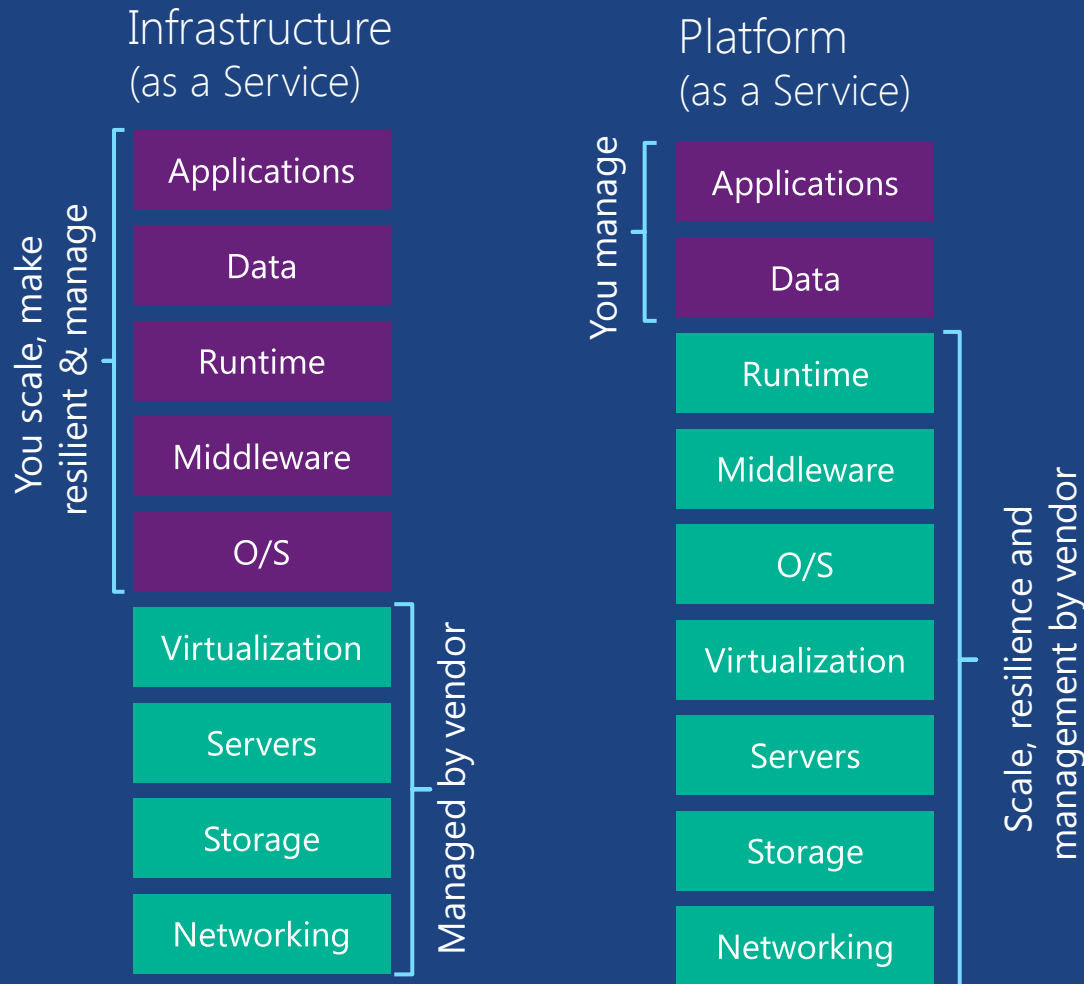
Business model

Software (as a Service)

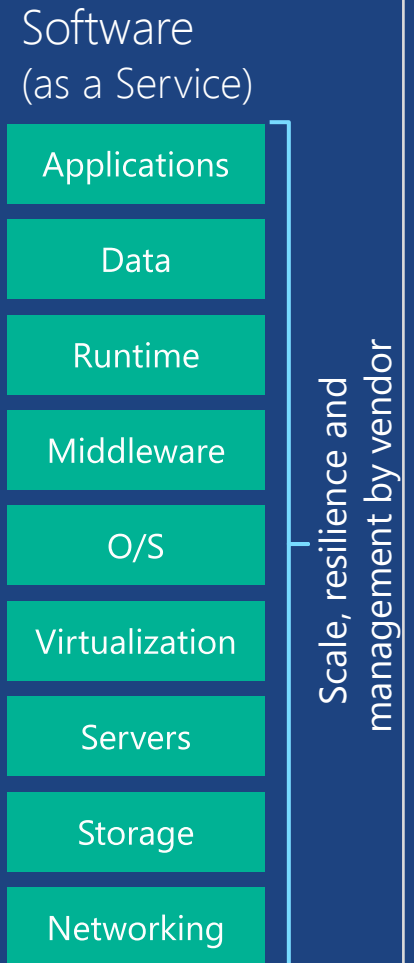


Azure

Hosting models



Business model



20 regions worldwide in 2015

Azure
footprint

t

● Data Centers

● Regional Partners

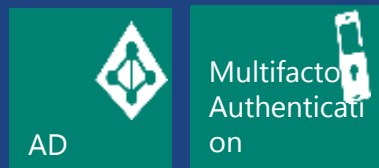


Microsoft Azure Services

Client layer (on-premises)



Access Control Layer



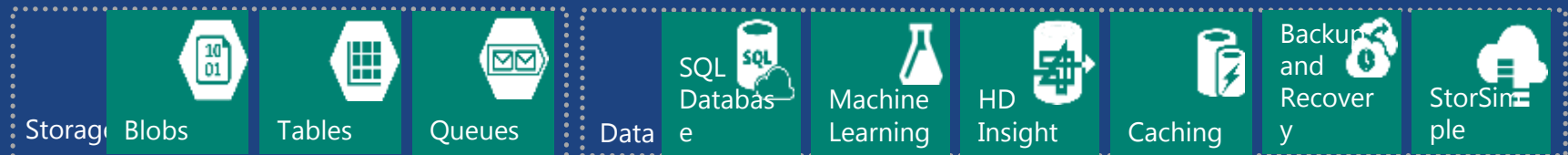
Integration layer



Application layer



Data Layer



Identity & Access Management

- Azure Active Directory
 - Synchronize on-premises directories and enable single sign-on
- Azure Active Directory B2C
 - Consumer identity and access management in the cloud
- Multi-Factor Authentication
 - Safeguard access to your data and apps with an extra level of authentication

Compute

- Virtual Machine
 - Provision Windows and Linux Virtual Machines and applications in minutes
- Cloud Services
 - Create highly available, infinitely scalable cloud applications and APIs
- Batch
 - Run large-scale parallel and batch compute jobs
- RemoteApp
 - Deploy Windows client apps in the cloud, run on any device

Web & Mobile

- App Service
 - Create web and mobile apps for any platform and any device
- Web Apps
 - Quickly create and deploy mission critical Web apps that scale with your business
- Mobile Apps
 - Build and host the backend for any mobile app
- Logic Apps
 - Automate the access and use of data across clouds without writing code
- API Apps
 - Easily build and consume Cloud APIs
- API Management
 - Publish APIs to developers, partners and employees securely and at scale
- Notification Hubs
 - Scalable, cross-platform push notification infrastructure
- Mobile Engagement
 - Maximize app usage, retention and monetization

Data & Storage

- SQL Database
 - Managed Relational SQL Database-as-a-service
- DocumentDB
 - Managed NoSQL document database-as-a-service
- Redis Cache
 - High throughput, low latency data access to build fast and scalable applications
- Storage: Blobs, Tables, Queues, Files and Disks
 - Durable, highly available and massively scalable cloud storage
- StorSimple
 - Hybrid cloud storage for enterprises, reduces costs and improves data security
- Azure Search
 - Fully-managed search-as-a-service
- SQL Data Warehouse
 - Elastic data warehouse-as-a-service with enterprise-class features

Networking

- Virtual Network
 - Provision private networks, optionally connect to on-premises datacenters
- ExpressRoute
 - Dedicated private network fiber connections to Azure
- Traffic Manager
 - Route incoming traffic for high performance and availability
- Load Balancer
 - Deliver high availability and network performance to your applications
- DNS
 - Host your DNS domain in Azure
- VPN Gateway
 - Establish secure, cross-premises connectivity
- Application Gateway
 - Highly scalable websites with HTTP load balancing and delivery control

Hybrid Integration

- BizTalk Services
 - Seamlessly integrate the enterprise and the cloud
- Service Bus
 - Connect across private and public cloud environments
- Backup
 - Simple and reliable server backup to the cloud
- Site Recovery
 - Orchestrate protection and recovery of private clouds

Analytics

- Data Lake
 - Batch, real-time, and interactive analytics made easy
- HDInsight
 - Provision managed Hadoop clusters
- Machine Learning
 - Powerful cloud-based predictive analytics
- Stream Analytics
 - Real-time stream processing
- Data Factory
 - Orchestrate and manage data transformation and movement
- Event Hubs
 - Ingest, persist, and process millions of events per second
- SQL Data Warehouse
 - Elastic data warehouse-as-a-service with enterprise-class features
- Data Catalog
 - Data source discovery to get more value from existing enterprise data assets

Media & CDN

- Media Services
 - Encode, store, and stream video and audio at scale
- Encoding
 - Studio Grade encoding at Cloud Scale
- Azure Media Player
 - A single player for all your playback needs
- Media Intelligence
 - Enhance discoverability and accessibility of media
- Content Protection
 - Securely deliver content using AES or PlayReady
- Live and On-Demand Streaming
 - Deliver your content to virtually all devices with the scale to meet your business needs
- CDN
 - Deliver content to end-users through a robust network of global data centers

Internet of Things

- IoT Suite
 - Capture and analyze untapped data to improve business results
- IoT Hub
 - Connect, monitor, and control millions of IoT assets
- Event Hubs
 - Receive telemetry from millions of devices
- Stream Analytics
 - Real-time data stream processing from millions of IoT devices
- Machine Learning
 - Powerful cloud based predictive analytics tool to enable predictive maintenance
- Notification Hubs
 - A scalable, push notification engine for quickly sending millions of messages

Developer Services

- Visual Studio Online
 - Services for teams to share code, track work, and ship software – for any language
- Visual Studio Application Insights
 - Diagnose problems and track usage to improve web and mobile apps

Management

- Microsoft Azure preview portal
 - Explore the new Microsoft Azure preview portal
- Scheduler
 - Run your jobs on simple or complex recurring schedules
- Automation
 - Simplify cloud management with process automation
- Operational Insights
 - Collect, search and visualize machine data from on-premises and cloud
- Key Vault
 - Safeguard and maintain control of keys and other secrets