

Windows Azure

An Introduction

What is Windows Azure?



Open and
Flexible Cloud
Platform



Build, Deploy,
and Manage
Applications
across Global
Network



Build
Applications
using Any
Language, Tool,
or Framework



Integrate Public
Cloud Applications
with your Existing
IT Environment

Why Use the Cloud?



Speed

- Faster than Traditional Application Development



Scale

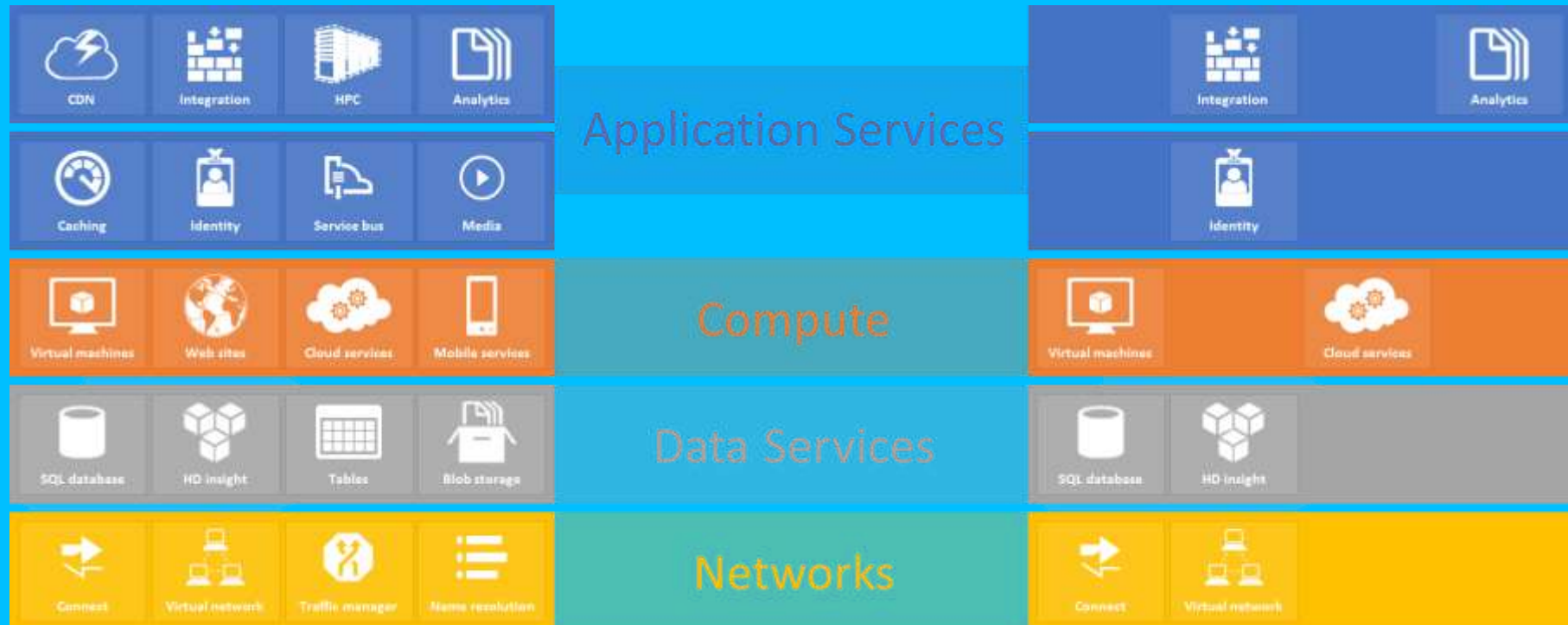
- Scale out Quickly
- Provide Global Scale



Economics

- Lower Cost

Windows Azure Services



Compute Services

- **Virtual Machines**
 - Create, deploy, and manage virtual machines running in the Windows Azure cloud
- **Web Sites**
 - Create new websites or migrate your existing business website into the cloud
- **Cloud Services**
 - Build and deploy highly available and almost infinitely scalable applications with low administration costs
- **Mobile Services**
 - Build and deploy apps and storing data for mobile devices

Network Services

- **Virtual Network**
 - Treat the Windows Azure public cloud as if it is an extension of your on-premises datacenter
- **Traffic Manager**
 - Route application traffic for the user who is using the application to Windows Azure datacenters

Data Services

- **Data Management**

- Store your business data in SQL databases using Windows Azure SQL Database, using NoSQL Tables via REST, or using BLOB storage

- **Business Analytics**

- Enables ease of discovery and data enrichment using Microsoft SQL Server Reporting and Analysis Services

- **HDInsight**

- Brings a 100 percent Apache Hadoop solution to the cloud

Data Services (Cont.)

- **Cache**
 - Provides a distributed caching solution that can help speed up your cloud-based applications and reduce database load
- **Backup**
 - Helps to protect your server data offsite by using automated and manual backups to Windows Azure
- **Recovery Manager**
 - Hyper-V Recovery Manager helps you protect business critical services by coordinating the replication and recovery of System Center 2012 private clouds

App Services

- **Media Services**

- Allows you to build workflows for the creation, management, and distribution of media using Azure public cloud

- **Messaging**

- Allows you to keep your apps connected across your private cloud environment and the Windows Azure public cloud

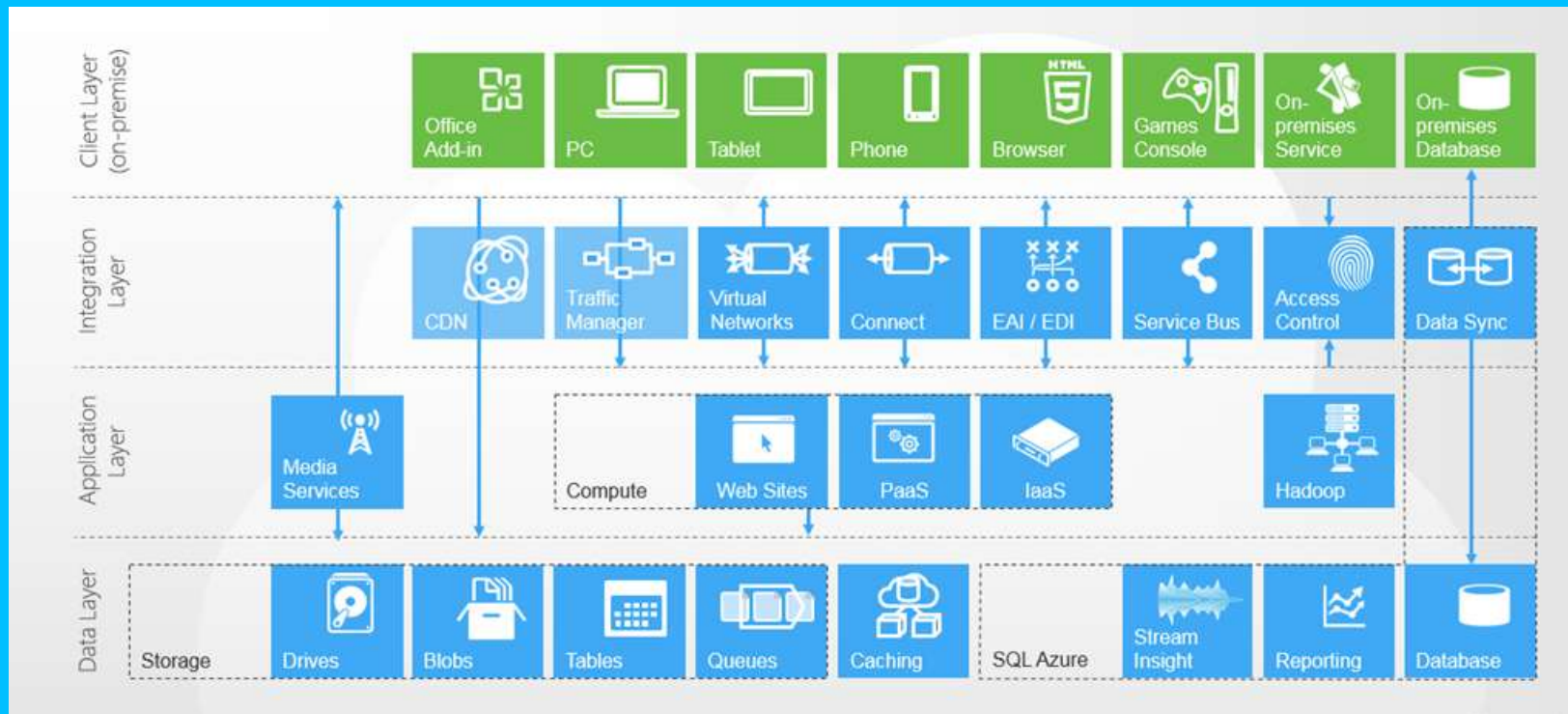
- **Notification Hubs**

- Provides a highly scalable, cross-platform push notification infrastructure for applications running on mobile devices

App Services (Cont.)

- **BizTalk Services**
 - Provides Business-to-Business (B2B) and Enterprise Application Integration (EAI) capabilities for delivering cloud and hybrid integration solutions
- **Active Directory**
 - Provides you with identity management and access control capabilities for your cloud applications
- **Multifactor Authentication**
 - Provides an extra layer of authentication, in addition to the user's account credentials, in order to better secure access for both on-premises and cloud applications

Azure Components



Windows Azure Pricing

The simple answer to how much Windows Azure costs to get started is easy. It is FREE! It is free to setup a [Windows Azure account](#) that gives you access to a trial account that you can use for testing.

Once you do setup this FREE account, you can convert it and all the machines on it to a PAY account. However, this is a MANUAL process.

[Know more about Windows Azure pricing](#)

Thank You!

References:

Windows Azure - <https://azure.microsoft.com/en-in/>

What is Windows Azure - https://www.youtube.com/watch?v=poDRw_Xi3Aw

Azure demo - <https://www.youtube.com/watch?v=7V8HikBP1vQ>

Microsoft by the Numbers - <http://news.microsoft.com/bythenumbers/>

Microsoft Azure Blog - <https://azure.microsoft.com/en-in/blog/>