

# Azure for web developers

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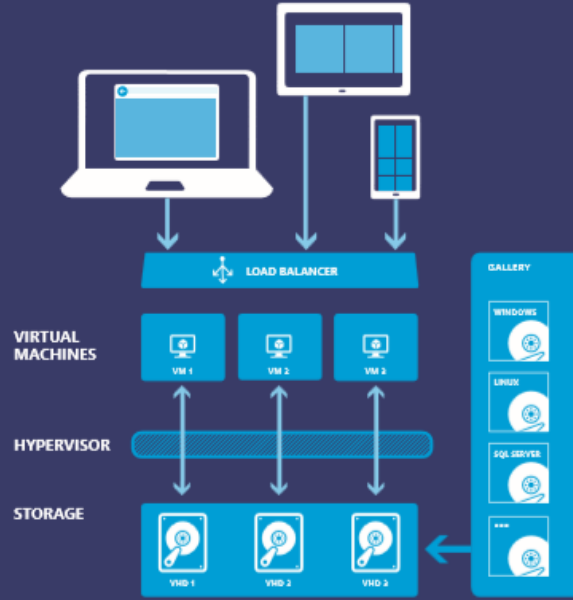
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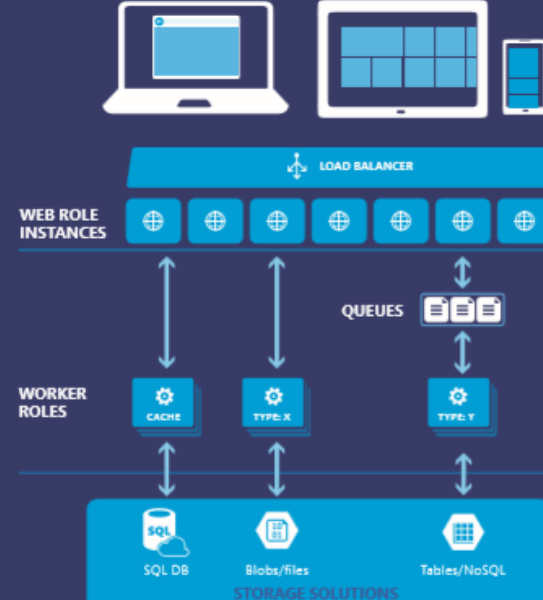
# 1. Virtual Machines

The basic cloud building block that gives you full access to a virtual machine with persistent storage that you completely own and control. You deploy, manage and architect resilience yourself across collections of VMs. These are most similar to VMs on-premise and are the easiest way to move existing workloads to the cloud.



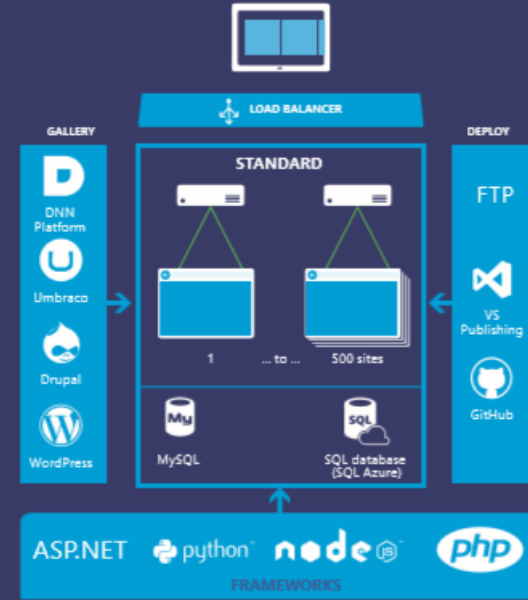
# 2. Cloud Services

Managed general purpose VMs that you have access to and can do quite low level configuration and deployment of additional software in the VM. VMs are stateless and you need to architect for and store state for your applications outside the VM. The Web Role is simply a worker role with IIS already installed/configured.



# 3. Web Sites

For applications that are completely web apps, the underlying VMs are abstracted from you and managed for you. You focus only on your web code and simple or integrated deployment of that code from source control. Choose from the gallery, develop with your framework, and deploy with your source control. Use the data platform of your choice.



# 4. Mobile Services

Devices need to call a web API to store data and execute business logic and mobile services provides this capability without you needing to worry about the underlying web api infrastructure or even worry about much of the API code to store and retrieve data from your mobile application.



DATA SERVICES							NETWORK SERVICES		
<p><b>Storage</b></p> <p>Provides many options to securely manage data. Accessible via REST APIs. Blob storage provides up to 100 terabytes per account.</p>	<p><b>SQL Database</b></p> <p>Simple, reliable server backup to the cloud. Configure, monitor and recover backups to local or Windows Azure storage.</p>	<p><b>Import Export</b></p> <p>Transfer large amounts of file data smoothly into blob storage. Use the management portal or send hard disks to a Windows Azure datacenter.</p>	<p><b>HDInsight</b></p> <p>Based on Apache Hadoop, enables easy provisioning and integration of big data with tools including Microsoft Office and System Center.</p>	<p><b>SQL Data Sync</b></p> <p>Enables regular and on-demand synchronization between instances of SQL Database and instances of either SQL Server and/or SQL Database.</p>	<p><b>Recovery Services</b></p> <p>Easily back up Windows Server using the Hyper-V Recovery Manager. Schedule routing backups and recover files or folders.</p>	<p><b>Backup Agent</b></p> <p>Create a backup schedule for your data using Powershell cmdlets.</p>	<p><b>Cache</b></p> <p>Helps applications scale and be more responsive under load by keeping data closer to application logic.</p>	<p><b>Virtual Network</b></p> <p>Provision and manage VPNs in Windows Azure and securely link to your on-premises IT infrastructure.</p>	<p><b>Traffic Manager</b></p> <p>Load-balances incoming traffic across multiple services running in the same or different datacenters.</p>
APP SERVICES									
<p><b>Notification Hubs</b></p> <p>Deliver millions of cross-platform push notifications within minutes from any application back-end, on-premises or in the cloud.</p>	<p><b>Service Bus</b></p> <p>Messaging channel for connecting your cloud applications to your on-premises applications, services, and systems.</p>	<p><b>Visual Studio Online</b></p> <p>Host code, plan and track projects, and collaborate with team members to deliver better software.</p>	<p><b>Media Services</b></p> <p>Build workloads to create, manage, and distribute on-demand media and live streaming events.</p>	<p><b>BizTalk Services</b></p> <p>Build EDI services and Enterprise Application Integration (EAI) solutions in the cloud.</p>	<p><b>Active Directory</b></p> <p>Identity and access management cloud solution: directory services, identity governance, security, and application access management.</p>	<p><b>Store</b></p> <p>Lets you easily find, access, and manage services and data sets, directly from the management portal.</p>	<p><b>Scheduler</b></p> <p>Lets you create jobs that call services in and outside of Windows Azure and lets you specify when and how often those jobs run.</p>	<p><b>CDN</b></p> <p>Delivers high-bandwidth content by caching blobs and static content of compute instances at physical nodes globally.</p>	<p><b>Multi Factor Authentication</b></p> <p>Works with Active Directory to safeguard access to data and applications yet deliver a simple sign-in process.</p>



# One integrated offering



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## WEB APPS

Web apps that scale with your business



## MOBILE APPS

Build Mobile apps for any device



## LOGIC APPS

Automate business process across SaaS and on-premises



## API APPS

Easily build and consume APIs in the cloud

# Built-in API Connectors



## Connectors

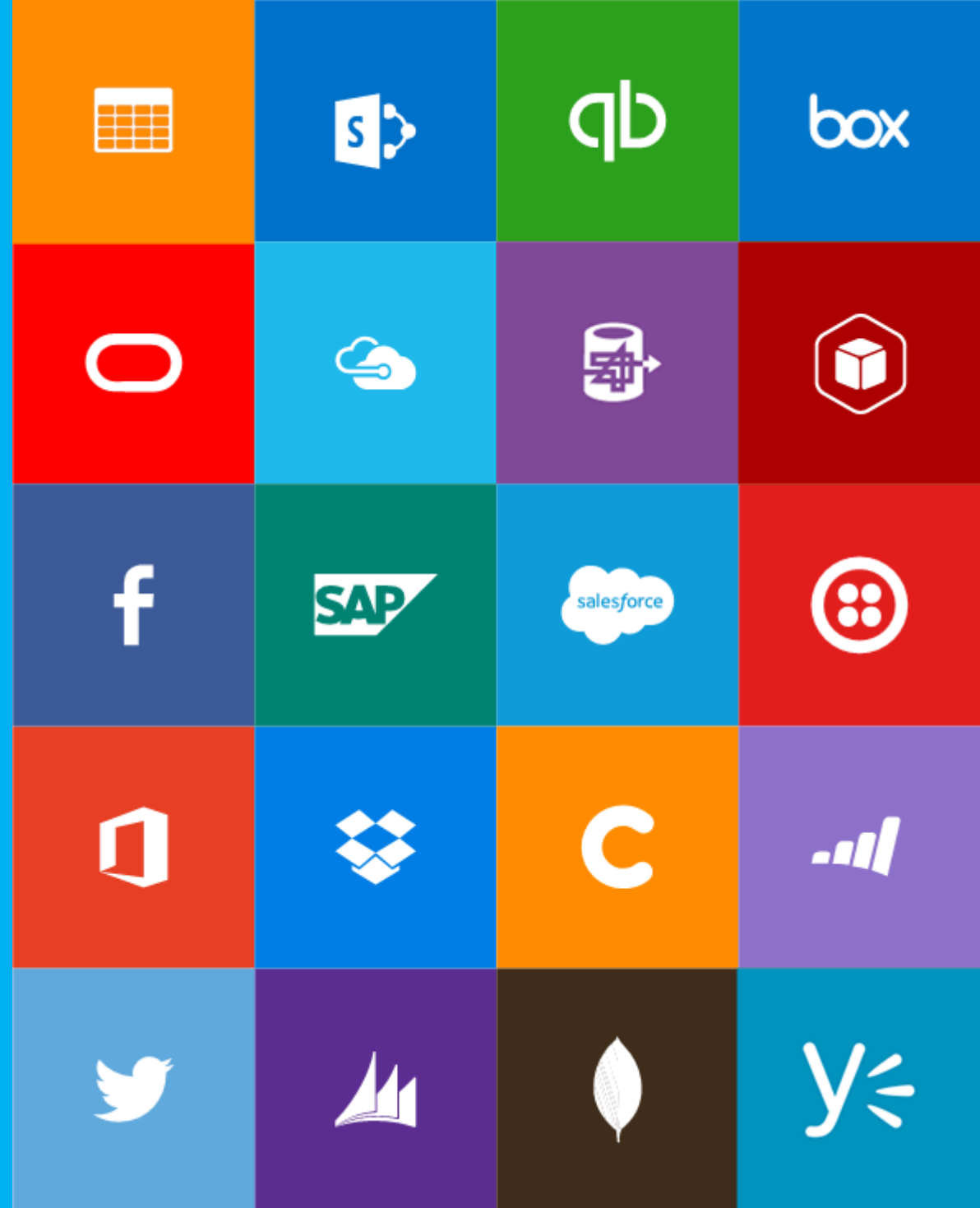
- Box
- Chatter
- Delay
- Dropbox
- Azure HD Insight
- Marketo
- Azure Media Services
- OneDrive
- SharePoint
- SQL Server
- Office 365
- Oracle
- QuickBooks
- SalesForce
- Sugar CRM
- SAP
- Azure Service Bus
- Azure Storage
- Timer / Recurrence
- Twilio
- Twitter
- IBM DB2
- Informix
- Websphere MQ
- Azure Web Jobs
- Yammer
- Dynamics CRM
- Dynamics AX
- Hybrid Connectivity

## Protocols

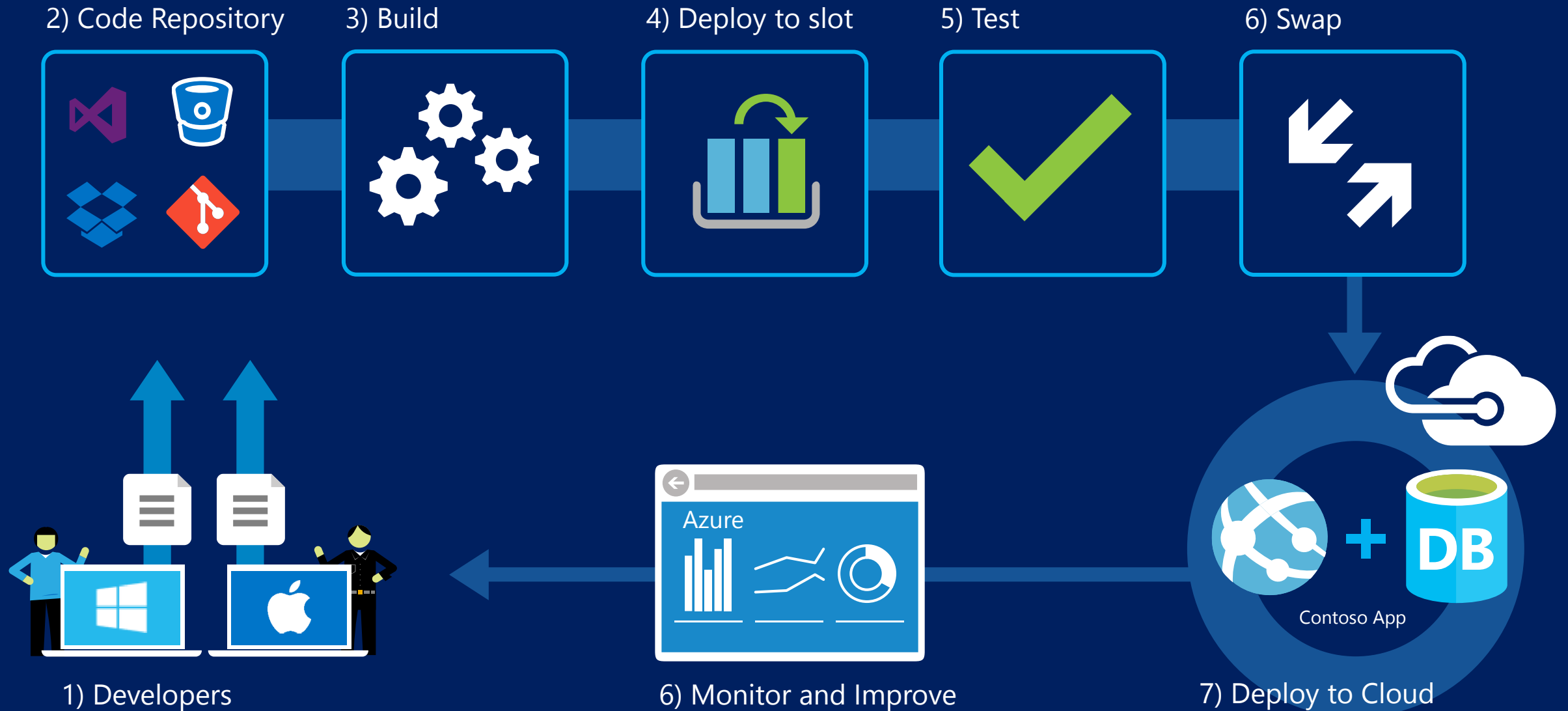
- HTTP, HTTPS
- File
- Flat File
- FTP, SFTP
- POP3/IMAP
- SMTP
- SOAP + WCF

## BizTalk Services

- Batching / Debatching
- Validate
- Extract (XPath)
- Transform (+Mapper)
- Convert (XML-JSON)
- Convert (XML-FF)
- X12
- EDIFACT
- AS2
- TPMOM
- Rules Engine

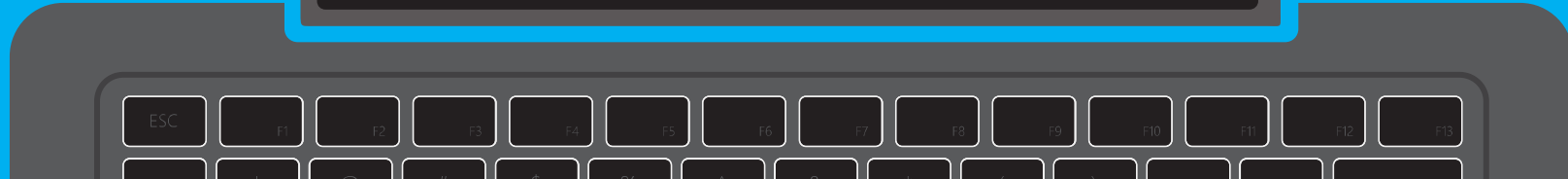


# DevOps Agility



# Demo

Web apps in action



Preizkusite Azure na  
<http://azure.microsoft.com>