

# Azure Web Apps Overview

The logo graphic consists of four blue rounded squares arranged in a 2x2 grid. Each square contains a white stylized cloud shape. The clouds in the top-left and bottom-right squares are positioned in the bottom-left corner, while the clouds in the top-right and bottom-left squares are positioned in the top-right corner.

# Azure App Service

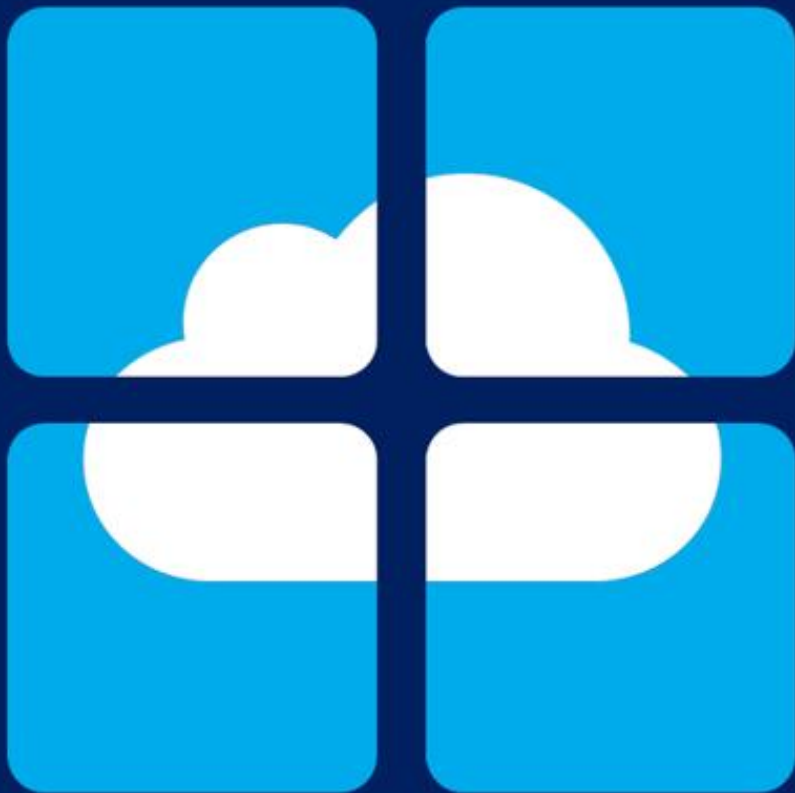
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Azure App Service provides an integrated cloud app platform for delivering modern enterprise apps across cloud and mobile devices. Azure App Service is an integrated offering that delivers features and capabilities from a number of existing Azure services – Websites, Mobile Services, API Mgmt. and BizTalk Services

Enterprise  
Grade Apps

Fully  
Managed  
Platform

High  
Productivity  
Development



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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

# Why Azure Web Apps?

## ■ Fully managed platform

- Focus on application code and not the infrastructure

## ■ Familiar and Fast

- Use existing tools like Visual Studio, FTP, and most popular languages and frameworks

## ■ Enterprise Grade

- Simple Azure AD Integration, ISO, SOC2, and PCI compliant

## ■ Global Scale

- Deploy close to your users anywhere in the world. Use capabilities like Traffic Manage to build truly global applications

## ■ Web Jobs

- Run pure compute jobs on a schedule or as a trigger



# Web App for Containers

- Easily deploy and run containerised applications that scale with your business
- Use a fully-managed platform to perform infrastructure maintenance
- Take advantage of built-in auto scaling and load balancing
- Streamline CI/CD with Docker Hub, Azure Container Registry and GitHub

# Supported Web Frameworks



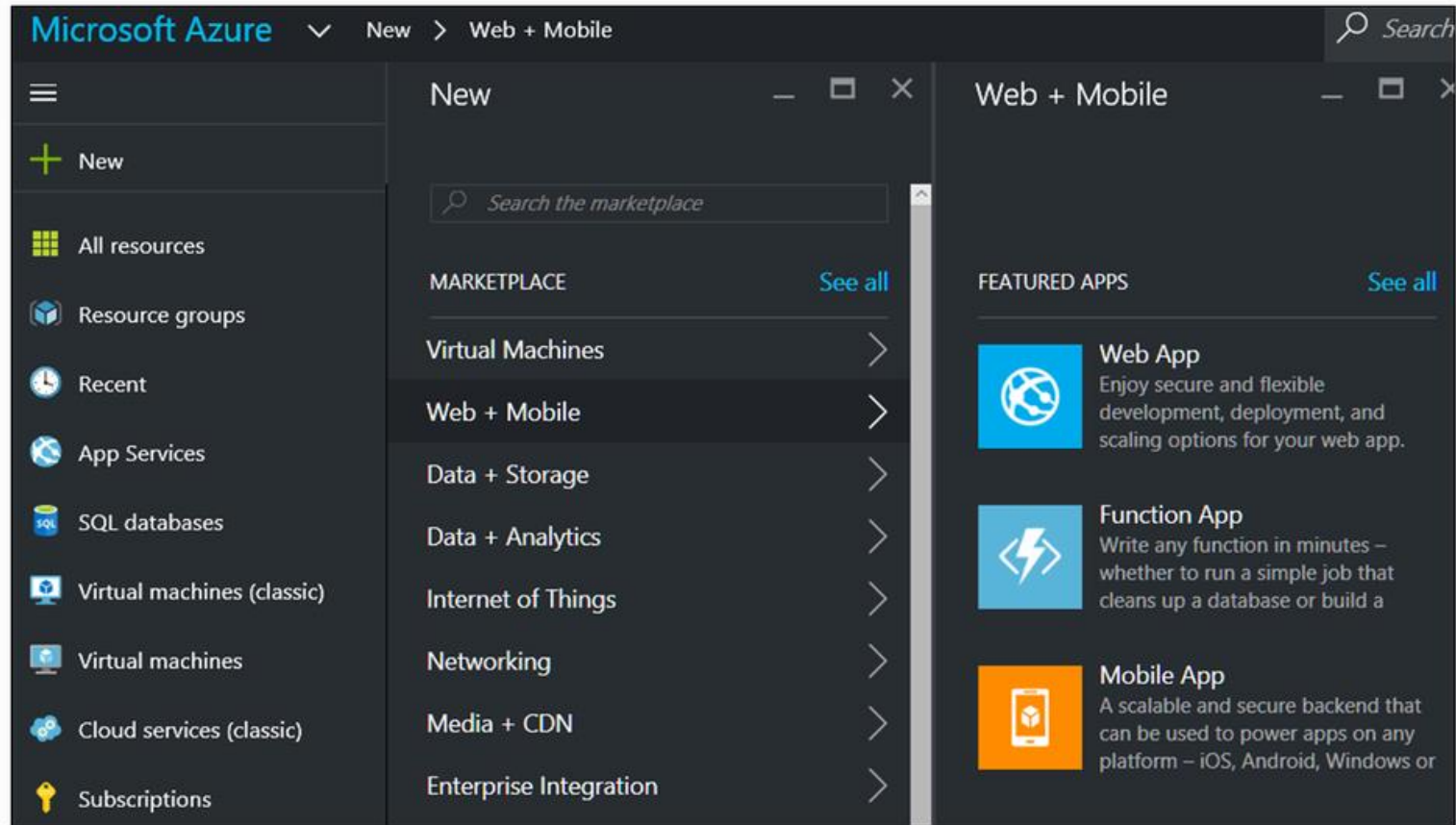
Classic ASP as well  
or any custom FastCGI Handler

# Creating a Web Site

Using the Azure Management Portal – <https://portal.azure.com>

Create an empty website or a solution made up of multiple resources.

Uses Resource Groups to group resources that share the same lifecycle for management.





# Publishing Web Sites

## ■ FTP

- FTP Client (ie: FileZilla)
- Visual Studio

## ■ Web Deploy

- Visual Studio

## ■ Git/GitHub

- Automated via Service Hooks





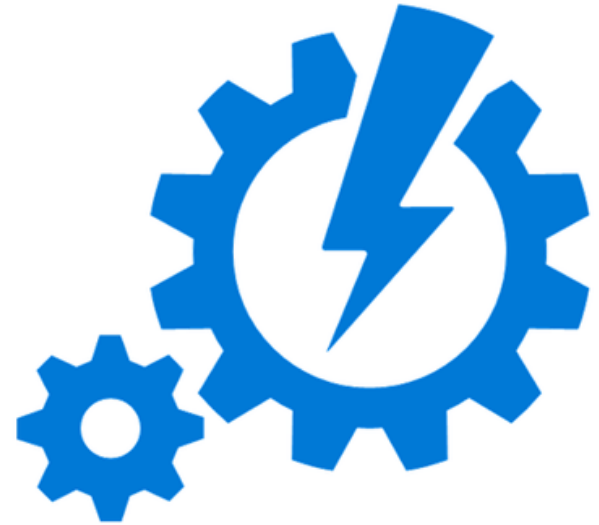
# Automating Web Site Deployments

## ■ Publishing with Command Line Tools

- MSBuild
- FTP Scripts
- PowerShell
- Cross-Platform Command Line Interface (CLI)
- Web Deploy Command Line

## ■ Publishing from Source Control

- Generally to a staged deployment slot...































# App Service Plans

- App service plans represent a set of features and capacity that you can share across your websites
- You can have multiple plans to support deployments of separate tiers of feature and capabilities.
- An app in App Service can be associated with only one App Service plan at any given time





# App Service Plan Service Tiers

F1 Free	B1 Basic	S1 Standard	P1 Premium (Preview)	P2 Premium (Preview) ★	P3 Premium (Preview)
-	1	1	1	2	4
Sh	C	Core	Core	Core	Core
	1.75	1.75	1.75	3.5	7
	C	GB RAM	GB RAM	GB RAM	GB RAM
 1 GB Storage	 1 GB Storage	 50 GB Storage	 BizTalk Services	 BizTalk Services	 BizTalk Services
	 C	 5 SNI, 1 IP Custom domain	 250 GB Storage	 250 GB Storage	 250 GB Storage
	 U	 Up to 10 instances Auto scale	 Up to 20 instances * Subject to availability	 Up to 20 instances * Subject to availability	 Up to 20 instances * Subject to availability
		 Daily Backup	 20 slots Web app staging	 20 slots Web app staging	 20 slots Web app staging
		 5 slots Web app staging	 50 times daily Backup	 50 times daily Backup	 50 times daily Backup
		 Traffic Manager Geo availability	 Traffic Manager Geo availability	 Traffic Manager Geo availability	 Traffic Manager Geo availability
US	U	USD/MONTH	44.64 USD/MONTH (ESTIMATED)	89.28 USD/MONTH (ESTIMATED)	178.56 USD/MONTH (ESTIMATED)

# Deployment Slots

- A separate web site linked to your primary web site.
- Each deployment slot has it's own URL and runtime environment.

 Add Slot  Swap		
NAME	STATUS	APP SERVICE PLAN
opswwebapptest-staging	Running	ServicePlan412ac513-9cd7
opswwebapptest-development	Running	ServicePlan412ac513-9cd7

## Add a slot

Deployment slots let you deploy different versions of your web app to different URLs. You can test a certain version and then swap content and configuration between slots.

\* Name ⓘ

Configuration Source

Don't clone configuration from an existin... ▼

# Publishing from Source Control

## Supported Options



GitHub



Visual Studio Online



Dropbox



Local Git repository



Bitbucket



External repository



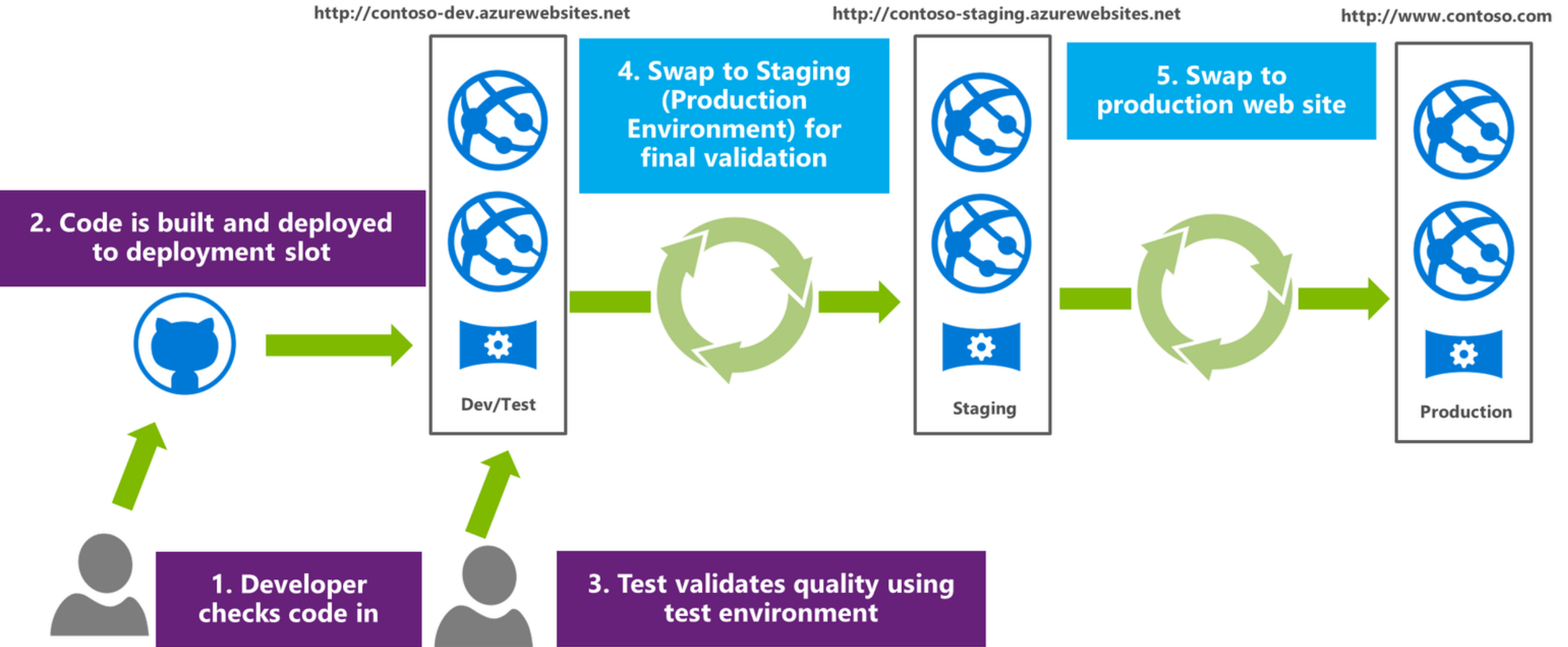
CodePlex

Git or Mercurial repositories  
are supported.

# Deployment Slot with Github



# Staged Publishing



# Rollback (Oops)

<http://contoso-staging.azurewebsites.net>

<http://www.contoso.com>

