

Moving Applications to the Cloud

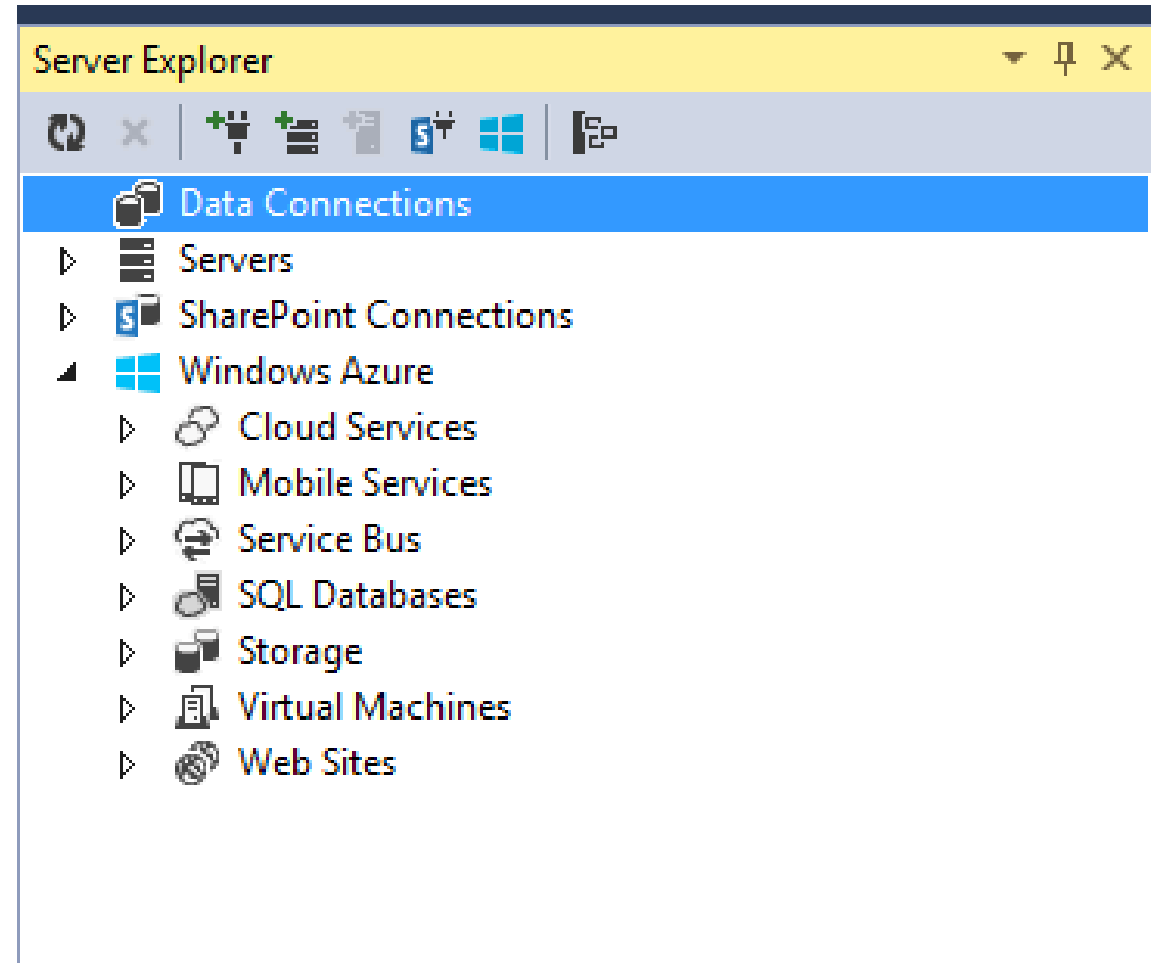
Overview

- Azure Website Concepts
- Manual Scaling
- Auto Scaling

Azure Website Concepts

Visual Studio Explorer

- Manage Azure from Visual Studio
 - Create web sites
 - Stop virtual machines
 - Filter subscriptions



Web Sites



Scalable

High-density and secure web hosting

Open publishing methods and protocols

Integrated and open solution



Automated

Lowers customer onboarding costs and streamlines upselling

Upsell from shared to reserved



Flexible

Support for PHP, Node.js, and ASP.NET

Metering and throttling of resources

Fully integrated into Web App Gallery

Azure Websites

- Platform that enables you to deploy and scale modern websites and web apps in seconds
 - .NET, Java, PHP, Node.js, Python, and more
- Built-in AutoScale and Load Balancing
- High Availability with Auto-Patching
- Continuous Deployment with Git, TFS, GitHub
- Supports SQL databases, MySQL, DocumentDB, Search, MongoDB
- Supports WordPress, Umbraco, Joomla, Drupal

Develop apps with...

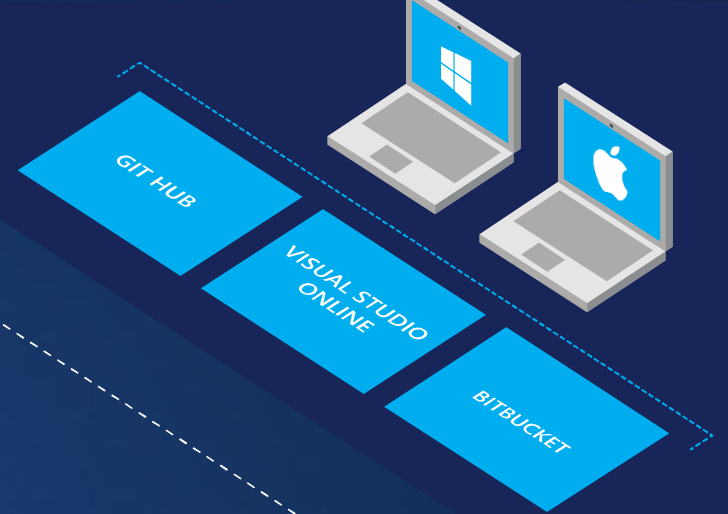
.NET

Node.js

PHP

Python

Java



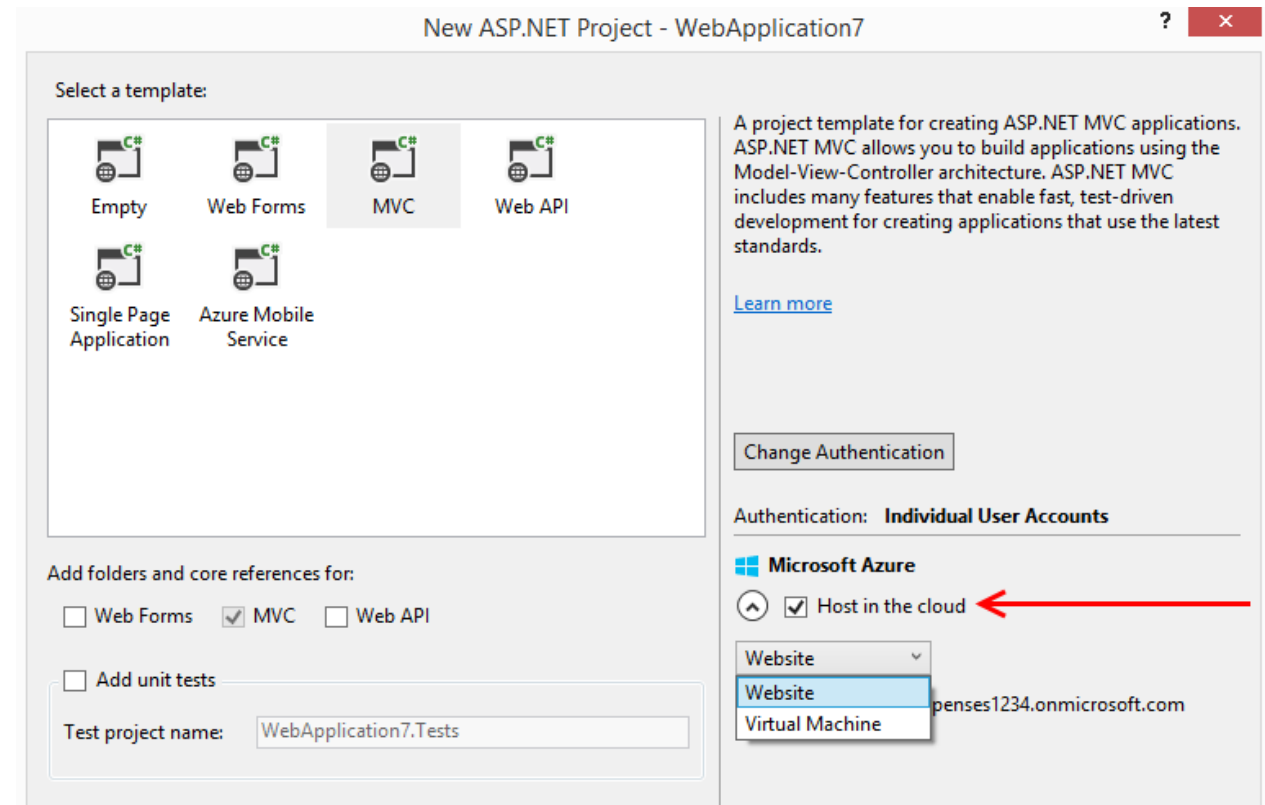
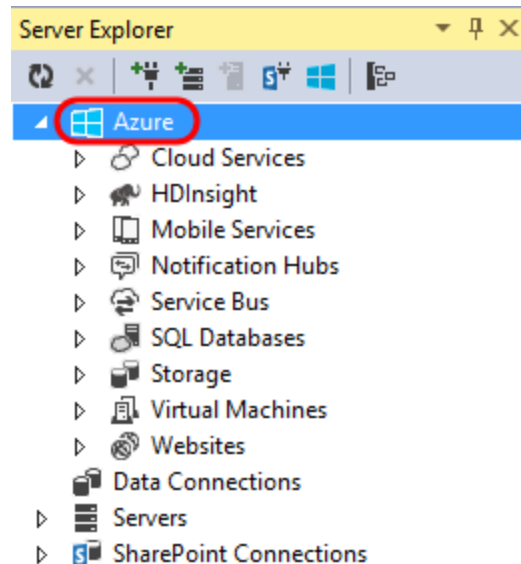
DEVELOPERS



END USERS

Visual Studio + Azure Websites

- Create Azure Resources during File / New
- Create Azure Website during deploy
- Manage with Server Explorer



Deployments

Deployments

DISCONNECT

THU 06/12

✓

removed trailing comma
gifmeme
Active
1:33 PM

⊖

removed defaulted values from Cache
gifmeme
Inactive
1:31 PM

⊖

changed duration to timeout
gifmeme
Inactive
1:23 PM

⊖

added persistent connection
gifmeme
Inactive
12:59 PM

⊖

updated cache, added database
gifmeme
Inactive
12:54 PM

⊖

Ran Composer; Added Debug Kit. Updated Caching to Redis. Re...
gifmeme
Inactive
12:27 PM

Deployment Details

REDEPLOY

DELETE

STATUS

Success

TRIGGERED BY

gifmeme

RAN FOR

4 seconds

REASON

removed defaulted values from Cache

DEPLOY TO

cakefestcache

STA...	TIME	ACTIVITY	LOG
✓	Thu 06/12	Updating branch 'master'.	
✓	Thu 06/12	Updating submodules.	
✓	Thu 06/12	Preparing deployment for commit id '5336b658c1'.	
✓	Thu 06/12	Generating deployment script.	View Log
✓	Thu 06/12	Running deployment command...	View Log
✓	Thu 06/12	Deployment successful.	

Manual Scaling

Manual Scaling

Instance Count 1  6 Instances

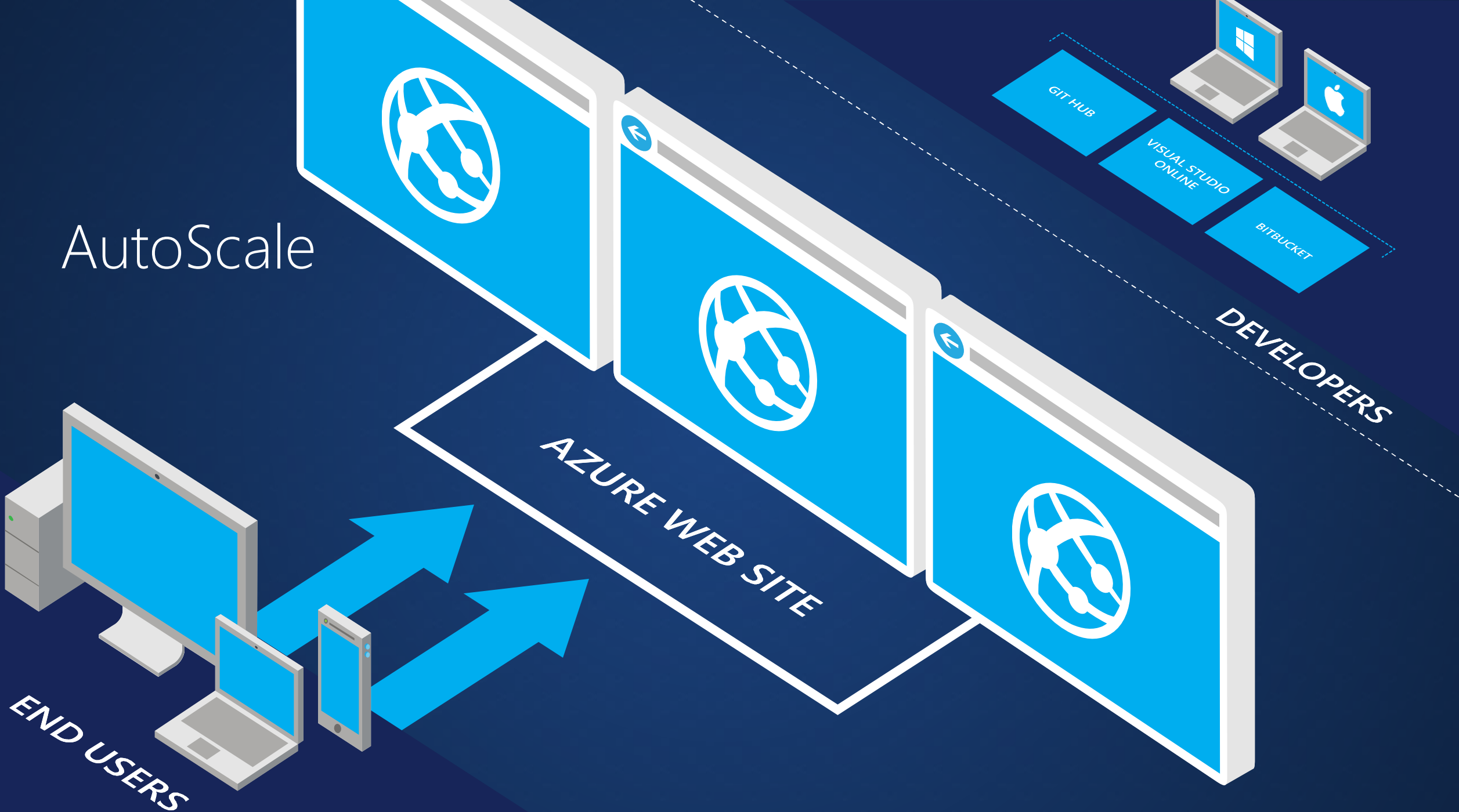


Auto Scaling

AutoScale



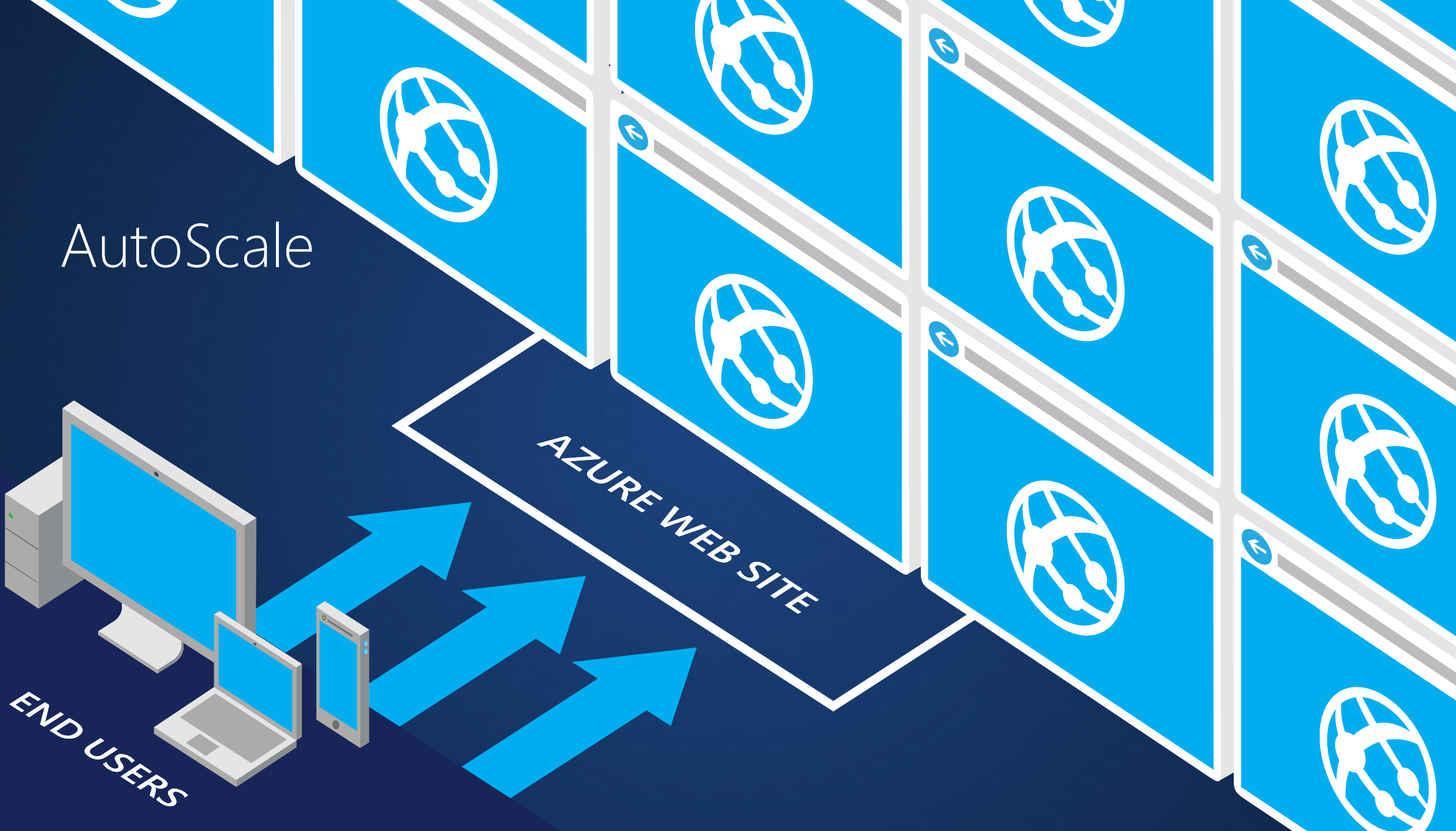
AutoScale



AutoScale

AZURE WEB SITE

END USERS



Auto-Scaling (Metric)



CPU Percentage | Memory Percentage | Disk Queue Length | HTTP Queue Length | Data In | Data Out

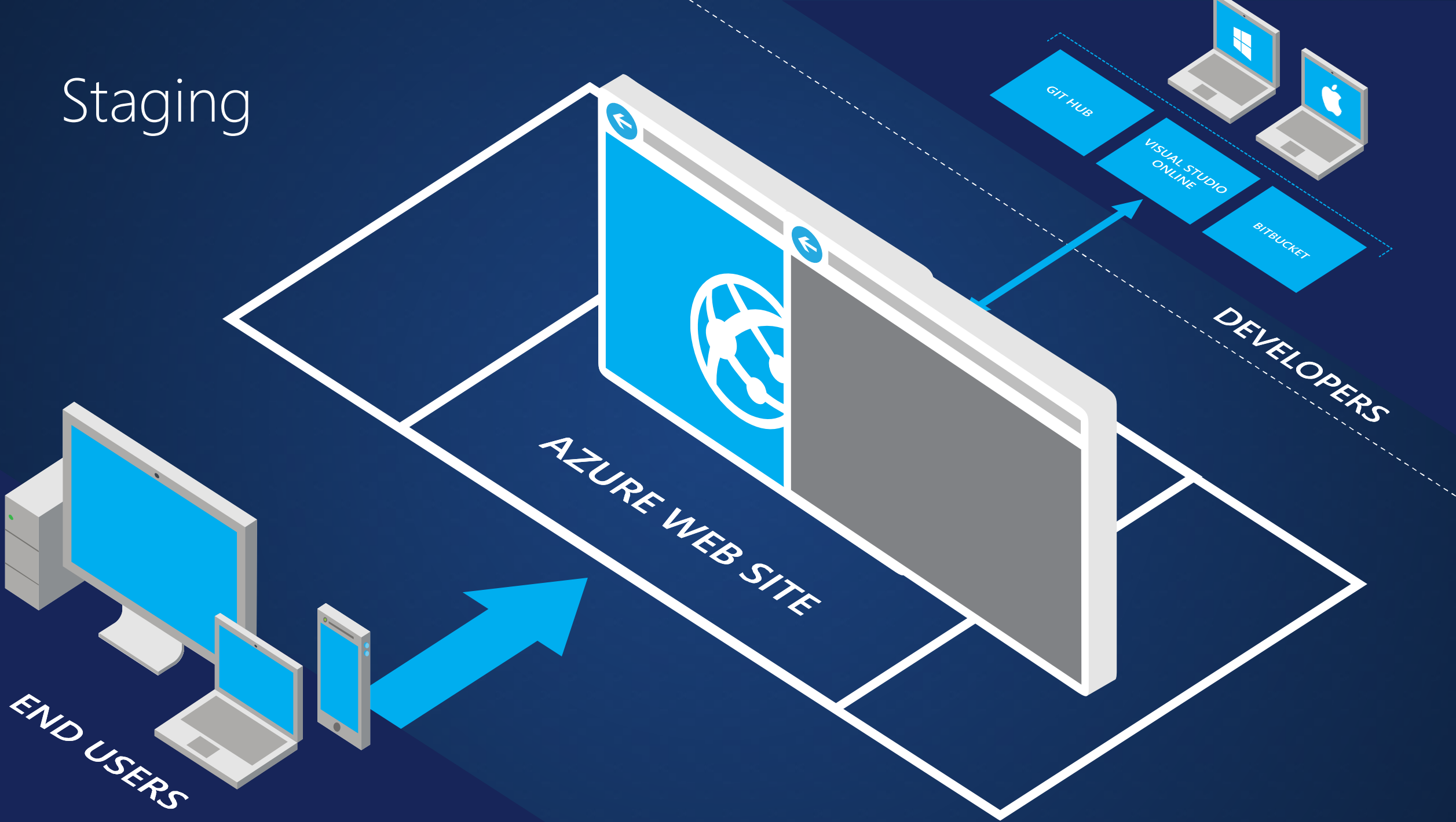
Auto-Scale Considerations

- Only Scales the Web Tier
- Scale Up/Down is not instantaneous

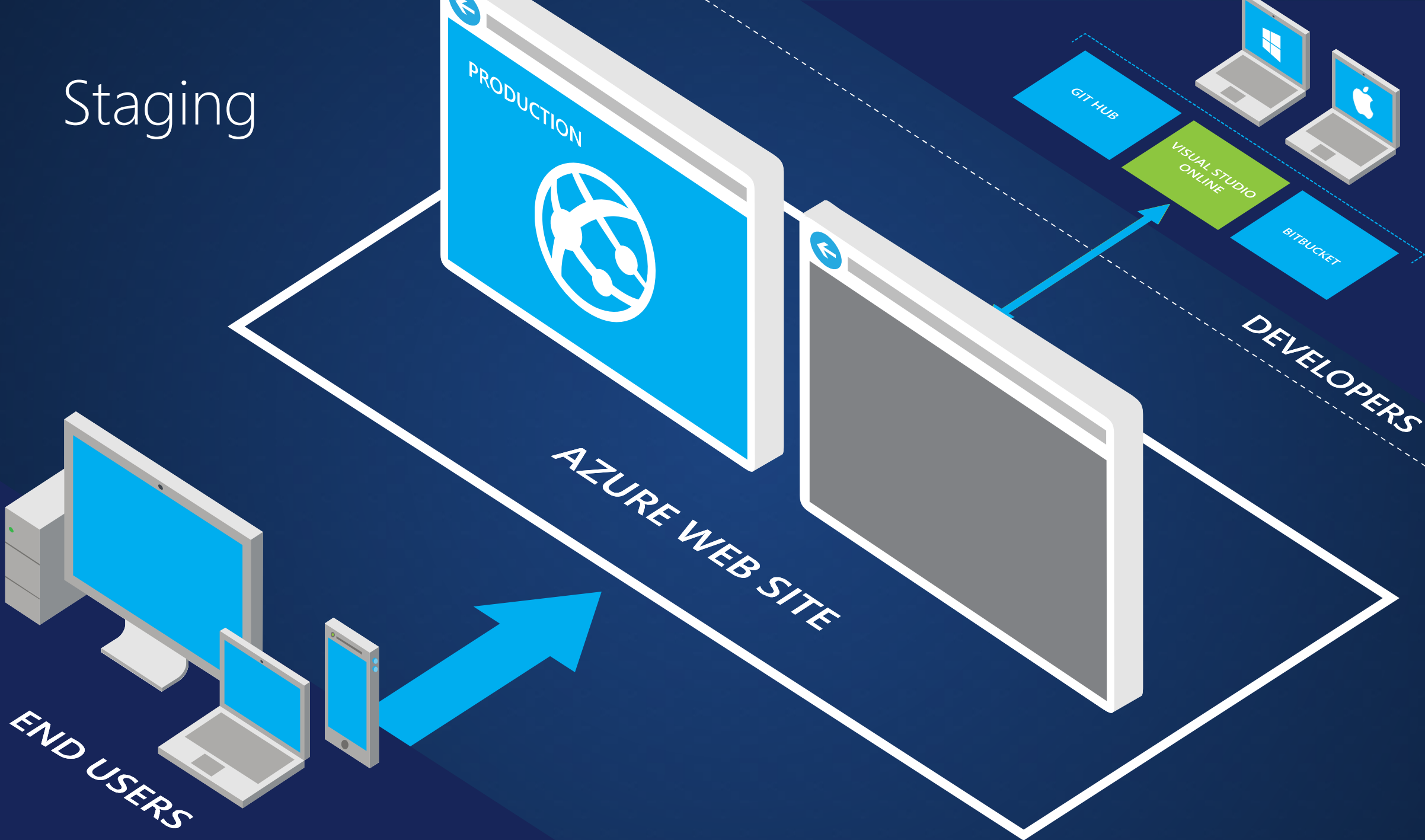
Staging



Staging



Staging



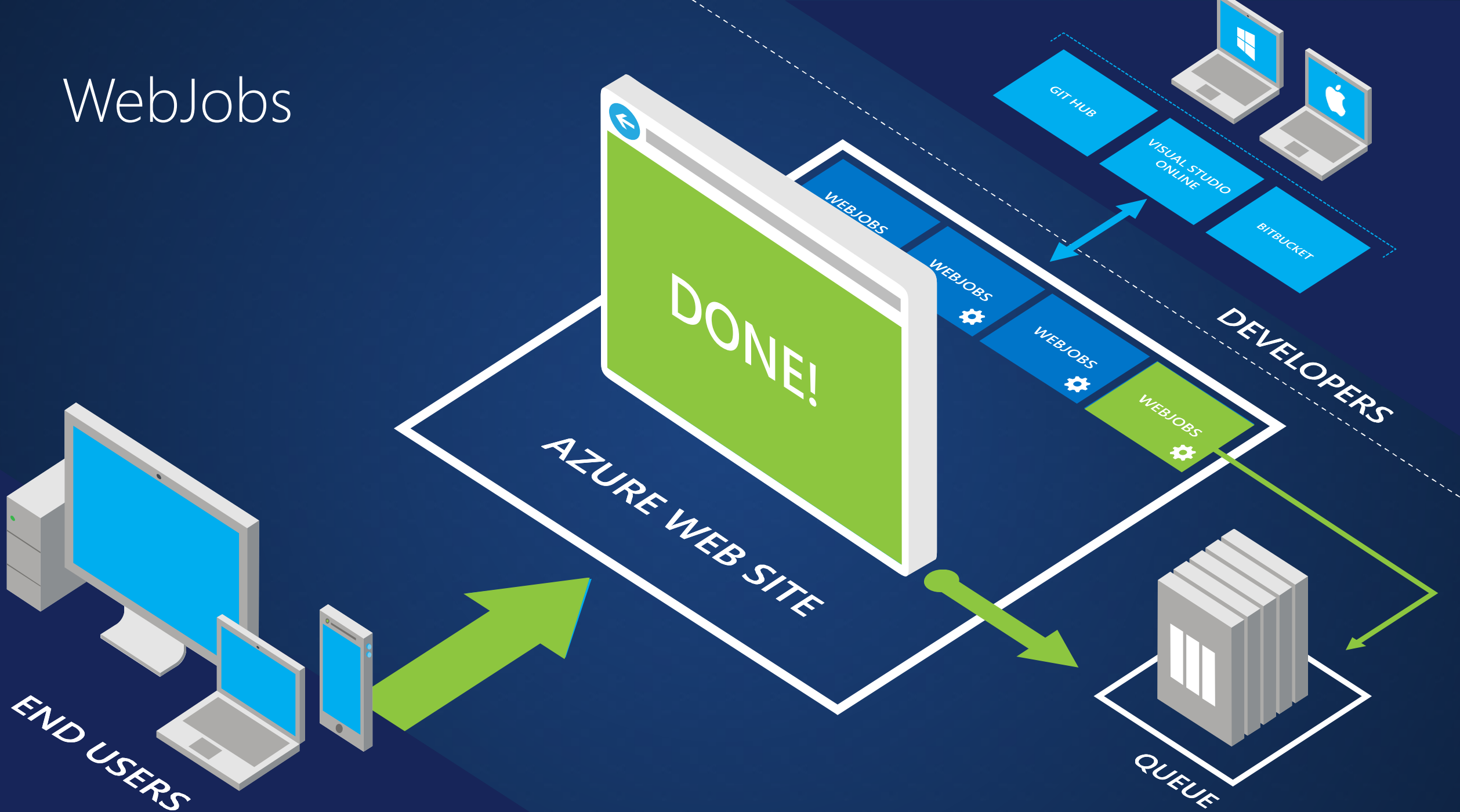
Staging



WebJobs



WebJobs



DEMO

Azure Websites & More

핸즈온랩

- <http://www.visualacademy.com/DotNetNote/BoardView?BoardName=WebCamp&Num=7>