

PHP on Azure

김명신 부장

Microsoft Technical Evangelist Lead

Three Main Areas

Server Side Scripting

Most traditional and main target field

Command line Scripting

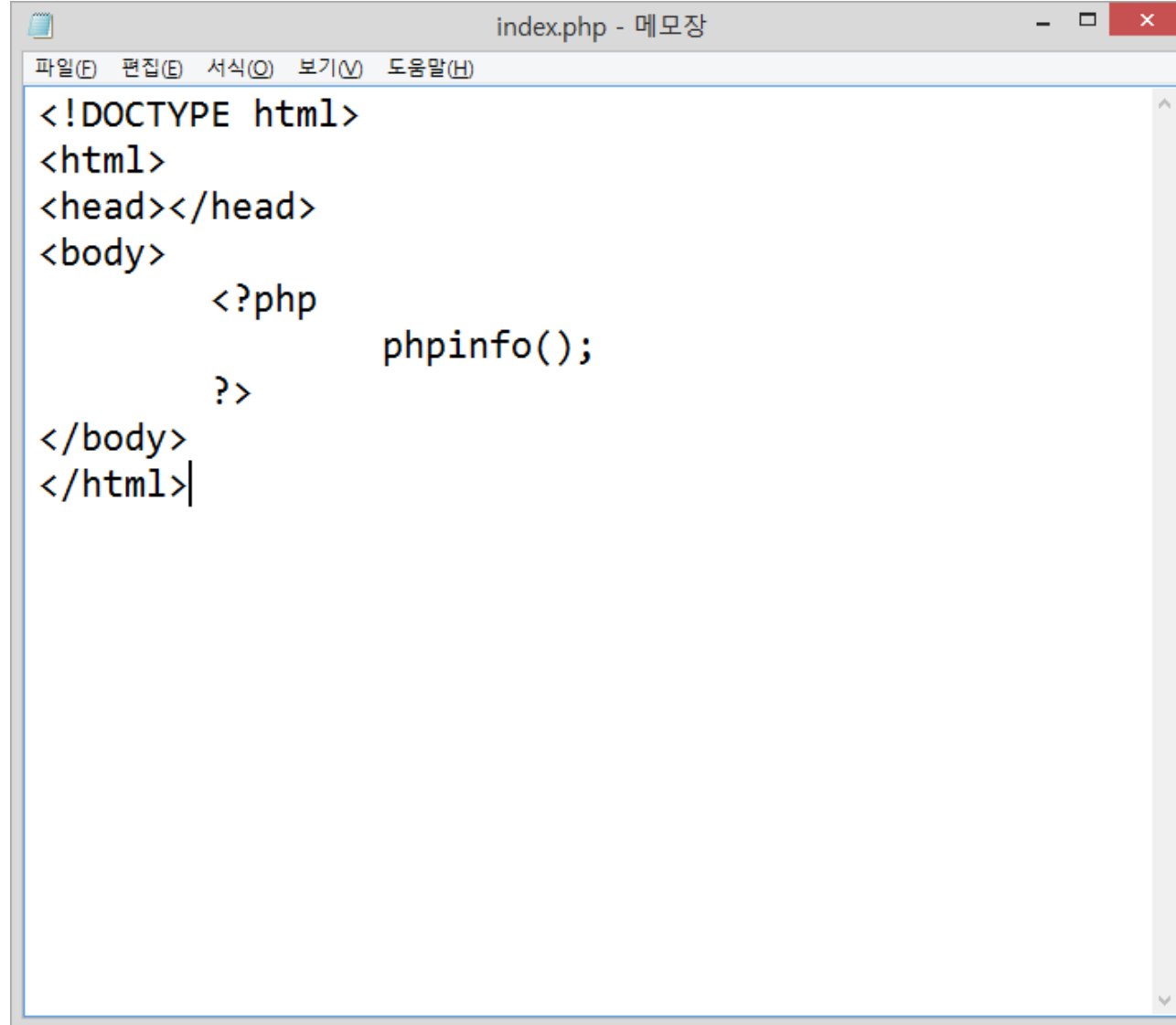
For script regularly executed using cron(*nix) or Task Scheduler(Windows)

Writing Desktop Application

PHP-GTK

Development Environment

Notepad 😊

A screenshot of a Notepad window titled "index.php - 메모장". The window has a menu bar with "파일(F)", "편집(E)", "서식(O)", "보기(V)", and "도움말(H)". The text area contains the following code:

```
<!DOCTYPE html>
<html>
<head></head>
<body>
    <?php
        phpinfo();
    ?>
</body>
</html>
```

IDE for PHP Developers

Visual Studio

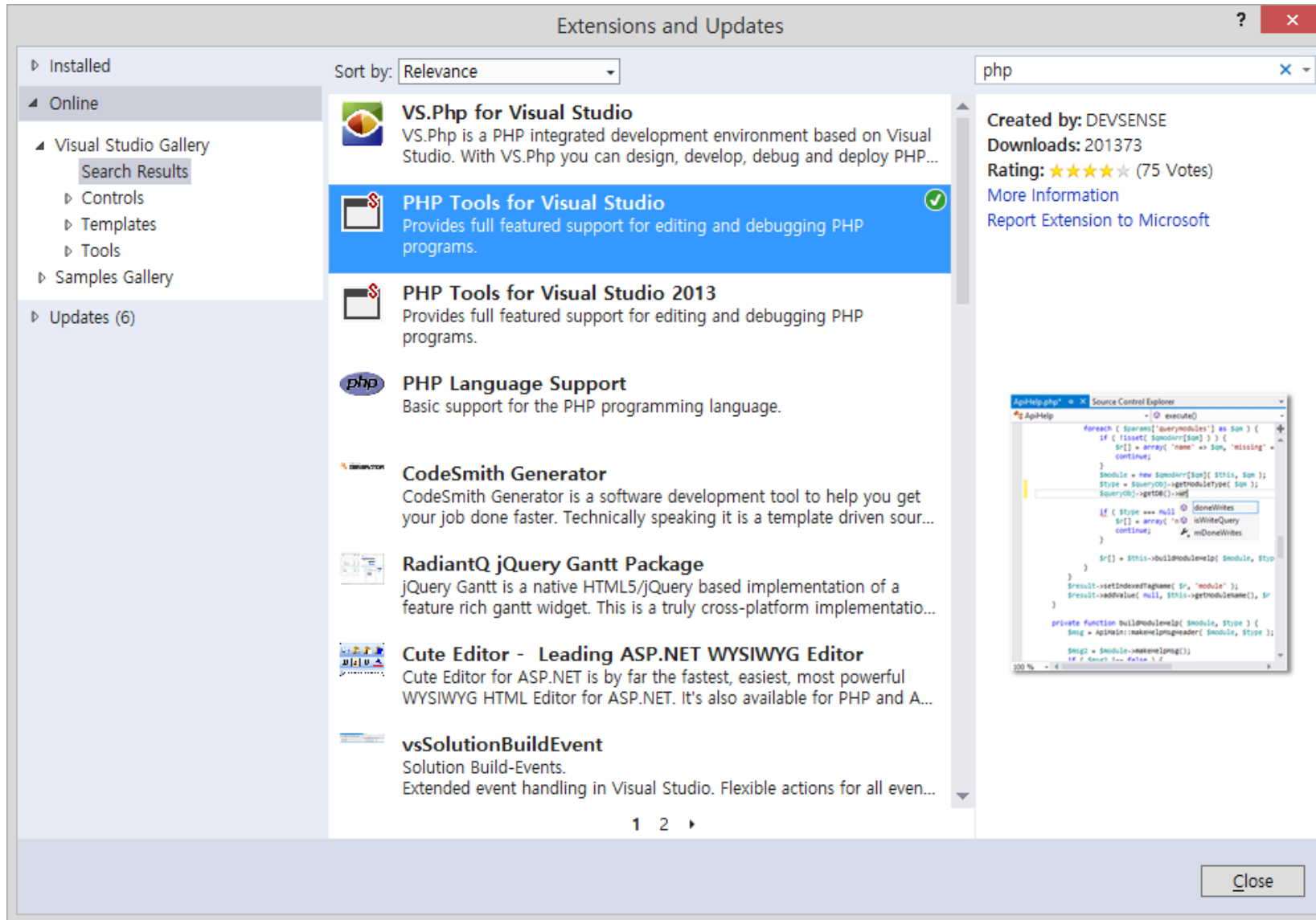
(with PHP tools for Visual Studio)

WebMatrix

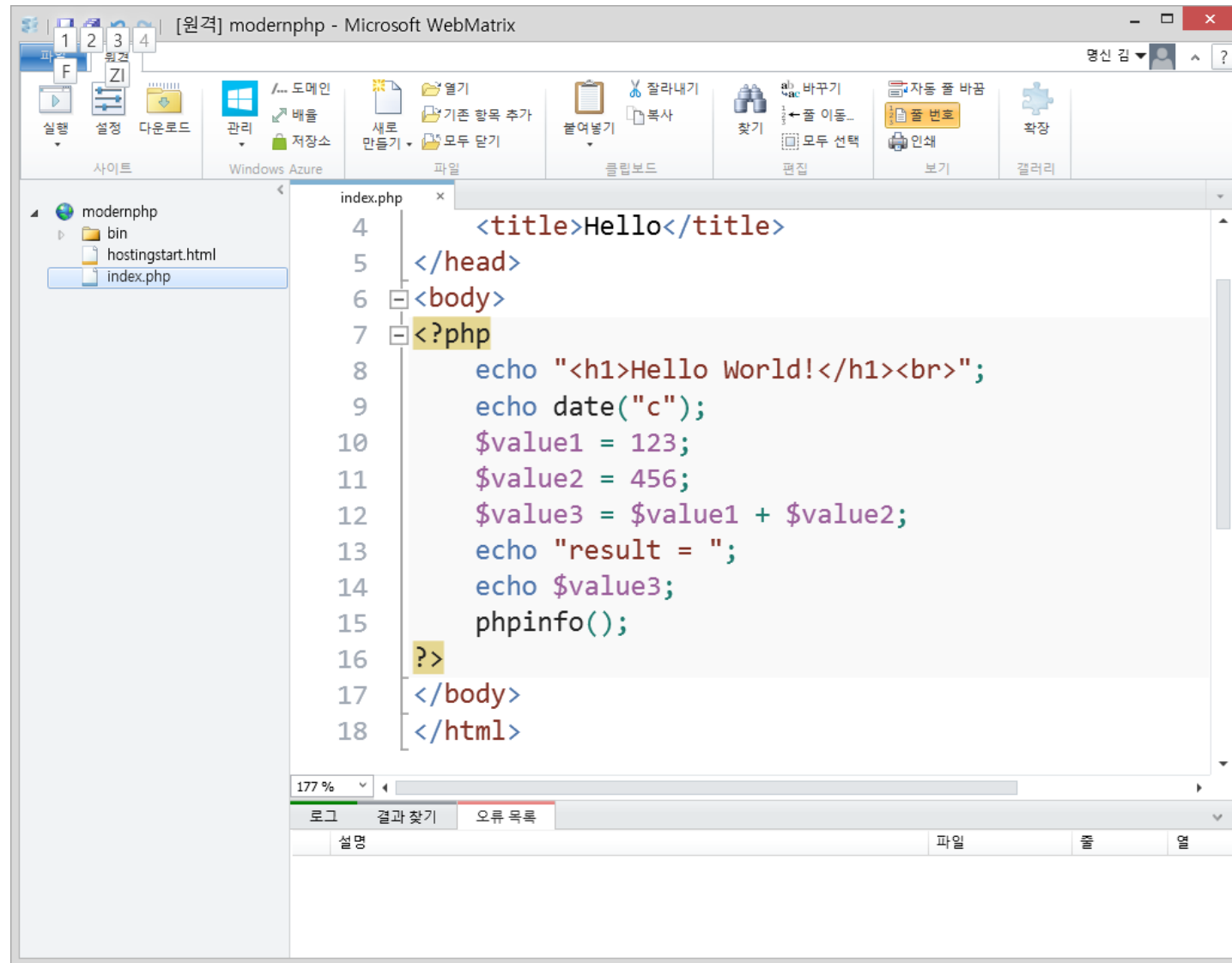
Visual Studio Online

(Monaco)

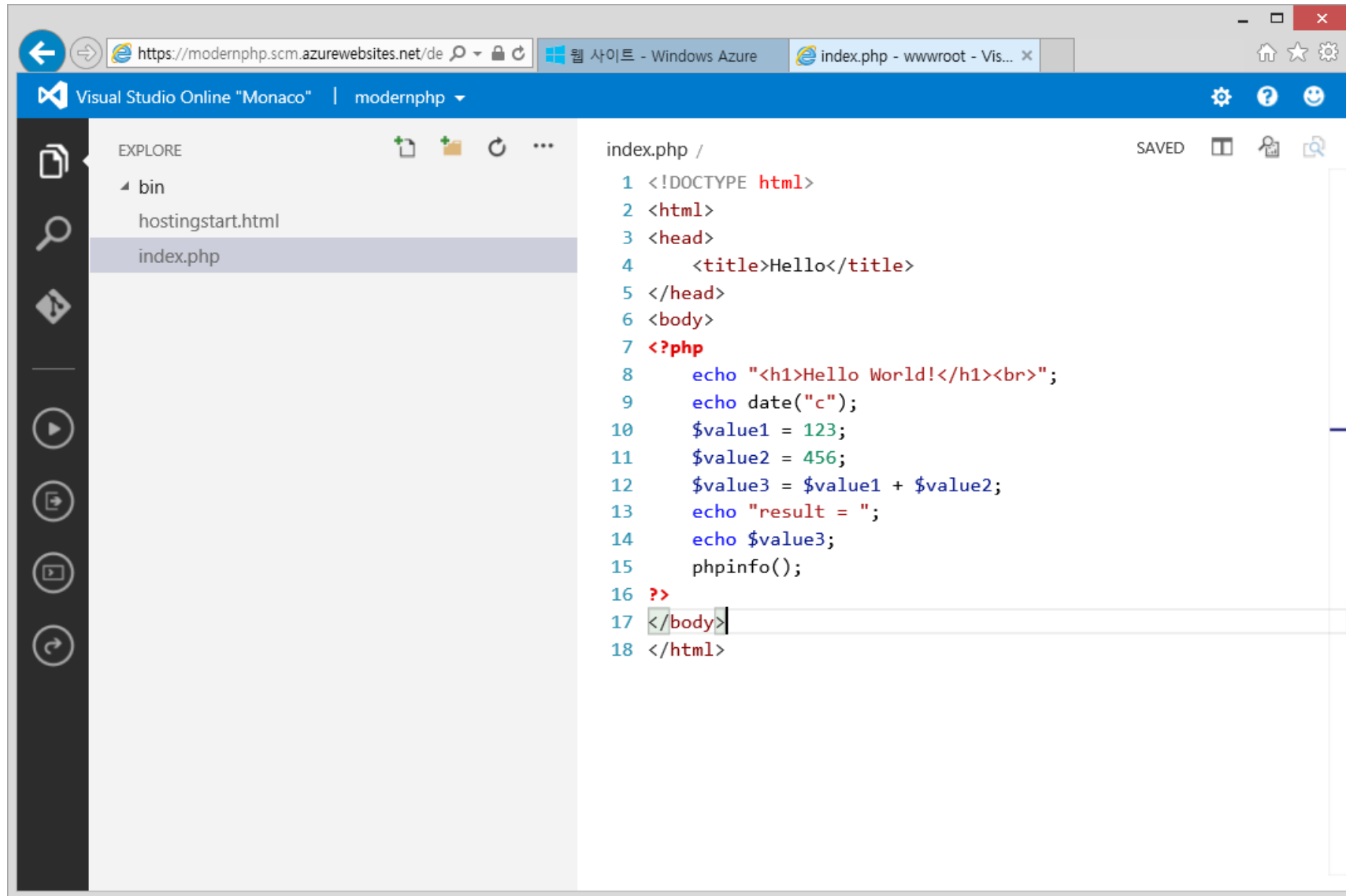
Visual Studio



WebMatrix



Visual Studio Online



<http://www.visualstudio.com/ko-kr/products/visual-studio-online-overview-vs.aspx>

The background is a solid orange color with several white, teardrop-shaped outlines scattered across it. These shapes vary in size and are positioned in the corners and middle of the frame, creating a decorative pattern.

DEMO

IDEs

자 이제 서비스를 할 차례다

알아서 하던가

- 어느 정도 스펙의 하드웨어?
 - 좋은 거 사주세요 / 돈 없어!
- 언제까지 도입?
 - 당장 사주세요 / 프로젝트 끝날 때 즈음?
- 감가상각?
 - 어려운 말하지 마세요 / 옛바퀴 먹냐? 오팩스/카팩스 어찌고
- 설치/운영은?
 - 전 개발자라고요 / 뭐? 손가락 놓고 싶냐?



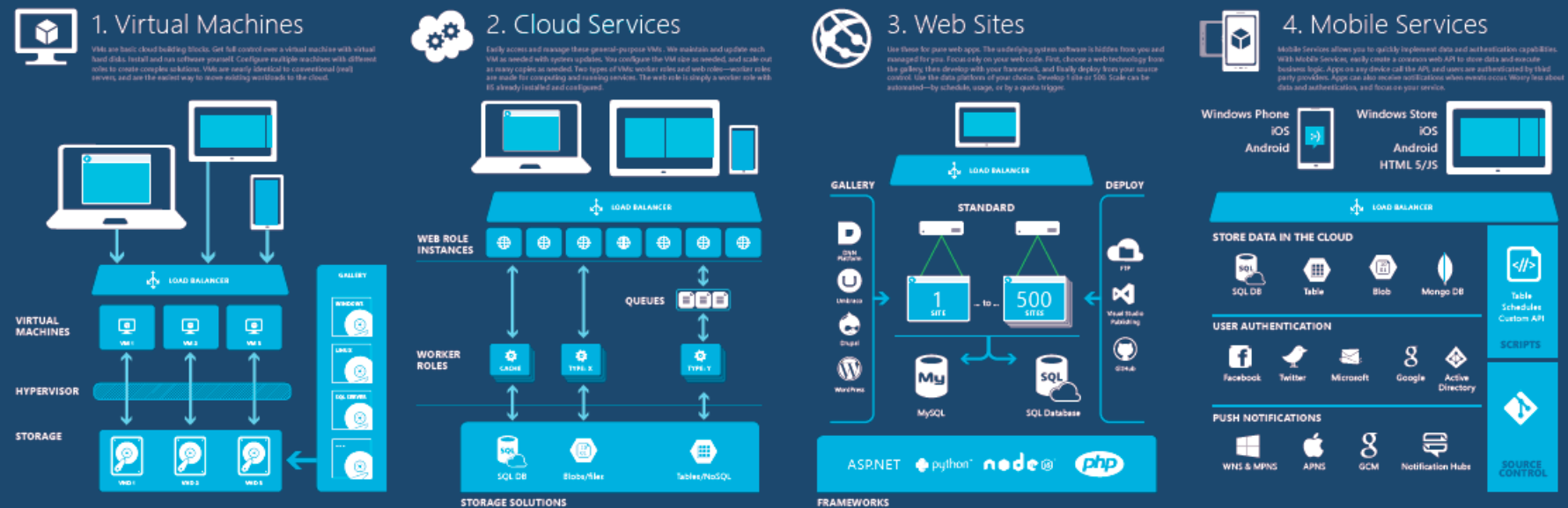
말기던가

- 가격은 얼마?
 - 헐값입니다 / 그릴리가 없잖아
- 얼마나 안정적?
 - 죽는걸 못 봤어요 / 신이 만든 사람도 죽는데?
- 속도는?
 - LTE 급이죠 / 휴대폰 속도 말고
- 어떤 기능이 지원?
 - 동급 최강입니다 / 이걸 확~



Azure 들어보긴 했는데...

Four primary models for building and running apps

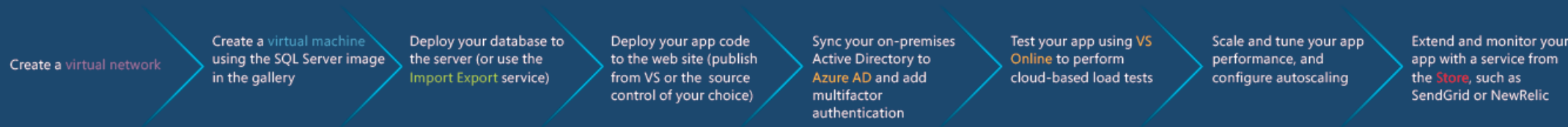


Windows Azure is an open and flexible cloud platform that enables you to quickly build, deploy, and manage applications across a global network of Microsoft-managed datacenters.

You can build applications using any language, tool, or framework. And you can integrate your public cloud applications with your existing IT environment.

Search [WindowsAzure.com](#), [MSDN](#), or [TechNet](#) for keywords referenced in this poster

Here's just one way to get your first web app with a database running on Windows Azure



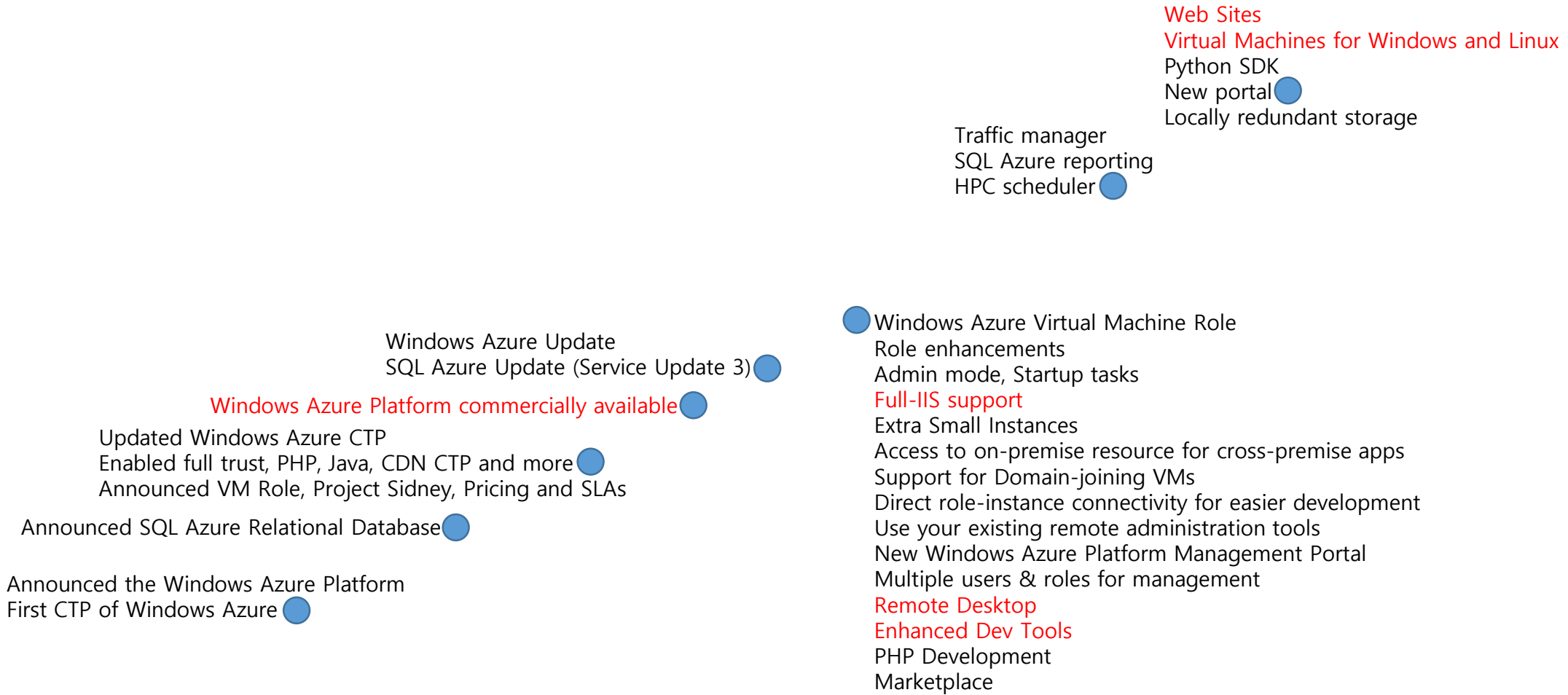
Choose from an extensive service catalog

COMPUTE			DATA SERVICES								
Virtual Machines Get full control over a server in the cloud, and maintain it as your business requires.	Web Sites Get started with web apps for free. Scale as you go. Building a range of tools and languages.	Mobile Services Add backend capabilities to mobile apps with native client support on most device platforms.	Cloud Services Create and easily scale internet-facing web roles and worker roles that perform background tasks. All roles can access data stores and other services.	Storage Manage data more securely using a range of storage options. Accessible via REST APIs. Blob storage provides up to 100 terabytes per account.	SQL Database Manage relational data with built-in high availability. Configure, monitor, and recover. Backups locally or to Windows Azure storage.	Import Export Data Transfer large amounts of data from on-premises into Blob storage. Use the Management Portal or send data to a Windows Azure database.	HDInsight Provision and integrate big data easily with tools including Microsoft Office and System Center, based on Apache Hadoop.	SQL Data Sync Synchronize data regularly or on-demand between instances of SQL Database and instances of either SQL Server and/or SQL Database.	Hyper-V Recovery Manager Protect important services by coordinating the replication and recovery of System Center 2012 private clouds at a secondary location.	Backup Agent Schedule backups of your local server data to Windows Azure using PowerShell cmdlets.	Cache Make your applications scale and be more responsive under load by keeping data close to application logic.
APP SERVICES			NETWORK SERVICES								
Notification Hubs Deliver millions of cross-platform push notifications within minutes from any application, backend, on-premises or in the cloud.	Service Bus Use this messaging channel for connecting your cloud applications to your on-premises applications, services, and systems.	Visual Studio Online Host code, plan and track projects, and collaborate with team members to deliver better software.	Media Services Build workflows to create, manage, and distribute on-demand media and live streaming content.	BizTalk Services Build EDI services and Enterprise Application Integrations (EAI) solutions in the cloud.	Active Directory Use this cloud service to provide an identity and access management solution: directory services, identity governance, security, and application access management.	Scheduler Create jobs that call services in and outside of Windows Azure, and specify when and how often those jobs run.	CDN Increase performance by caching static and static content of compute instances at physical nodes globally.	Multi-Factor Authentication Implement with Active Directory to safeguard access to data and applications while employing a single sign-on process.	Virtual Network Provision and manage VNet in Windows Azure and securely link to your on-premises IT infrastructure.	Traffic Manager Load-balance incoming global traffic across multiple services running in the same or different datacenters.	Store Find, access, and manage services and data sets, directly from the Management Portal.



HISTORY

Windows Azure renamed to Microsoft Azure ●
New BETA preview management portal released





16 regions worldwide in 2014

Azure
footprint



> 57%

Fortune 500 using Azure

> 250k

Active websites

Greater than
1,000,000

SQL Databases in Azure

> 20 TRILLION
storage
objects

> 300 MILLION
AD users

> 1 MILLION
Developers
registered with
Visual Studio
Online

> 2 MILLION
requests/sec

> 13 BILLION
authentication/wk

Microsoft Azure

Programming languages + tools

.NET, Visual Studio, TFS + Git, Java, NodeJS, PHP, Python, Ruby, C++

IaaS

Windows VMs
Linux VMs
Storage
Networking

PaaS

Web	Data
Mobile	Analytics
Gaming	Media
Cloud services	Identity

Microsoft cloud infrastructure

PHP 개발자에게 AZURE란?

PHP DEVELOPER CENTER



```
open composer.json
php composer.phar install
git add index.php
git commit -m "My first PHP app"
git push azure master
```

tutorial: web site + mysql ➔

PHP DEVELOPER CENTER

Windows Azure SDK for PHP

```
// PHP client libraries
// Command-line tools for Mac and Linux
// PowerShell tools
```

windows | mac | linux

Fork me on GitHub

PHP DEVELOPER CENTER

Build apps with WebMatrix

Microsoft WebMatrix is a lightweight IDE that takes your PHP development experience to the next level.

tutorial: web site with WebMatrix ➔

PHP DEVELOPER CENTER

Deploy popular apps in minutes

Choose from many applications in the App Gallery, including WordPress, Drupal, Joomla!, and more.

tutorial: create a WordPress site ➔



DEMO

Ubuntu VM 만들어 보기

그 다음은요? ^^;

나도 모른다
GOOGLE 가서 찾아보시게



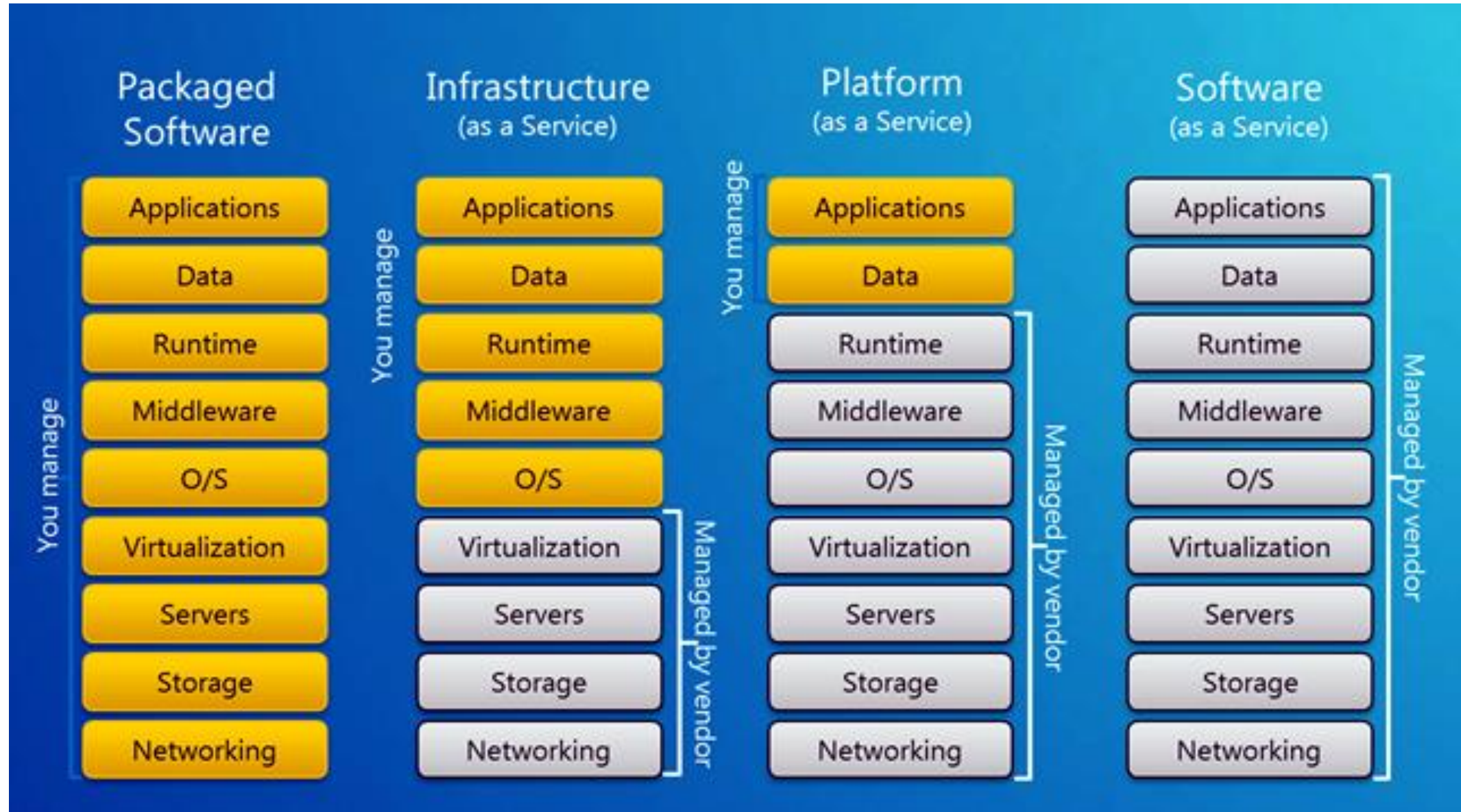
친절하게도

- root 권한
- APM과 기타 라이브러리 설치
 - Apache, Nginx 설치
 - Php5 설치
 - Mysql 설치
 - GC 라이브러리 설치
 - Phpmyadmin
- 설정
 - Phpmyadmin 연동과 ServerName
 - 언어셋 설정

불행히도,

모든 분야의 전문가가 될 수는 없다.

책임과 역할의 문제



Web Site 를 위한 최적의 대안
Microsoft Azure WebSite

Microsoft WebSite 란?

- .NET, Java, PHP, Node.js, Python
- 기본적으로 제공되는 Auto Scale & Load Balancing
- 자동 패치 및 고가용성
- Git, TFS, GitHub와 함께 연속 배포
- SQL Database, MySQL, MongoDB
- WordPress, Umbraco, Joomla, Drupal



DEMO

Microsoft Azure WebSite

시삽님의 특별한 부탁

내용은 Azure를 통해서 계정과 인스턴스를 생성하고, PHP 애플리케이션을 올려서 구동하는 것 정도로 40 ~ 60분 정도 분량으로 진행 해주시면 좋을 것 같습니다. 참석하시는 분들이 기본적으로 PHP는 어느 정도 다루시는 분들로 되어 있으니 그것을 감안해서 난이도 설정을 해주시면 좋을 듯 합니다. 인스턴스에 올릴 애플리케이션은 XE나 워드프레스 정도면 될 것 같습니다.

DEMO

Azure에 WordPress 올리기



Microsoft