

# Workshop ติดตั้ง Web Server บน Windows Server 2012 R2



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ในการติดตั้ง Web Server ใน workshop นี้จะแบ่งเป็นส่วนๆดังนี้

- 1. เตรียมความพร้อมก่อนการติดตั้ง IIS
- 2. Internet Information Services (IIS)
- 3. PHP (PHP Version 5.6)
- 4. ทดสอบ PHP
- 5. MySQL Database (Version 5.5)
- 6. ทดสอบ PHP และ MySQL
- 7. FTP Server (Filezilla Server)



#### เตรียมความพร้อมก่อนการติดตั้ง IIS

1. เปิด Browser ไปที่เว็บไซต์ http://www.microsoft.com/en-us/download/details.aspx?id=30679



#### 2. คลิก Download และเลือกดาวน์โหลดแบบ x86

File Name	Size	
VSU_4\vcredist_x64.exe	6.9 MB	Download Summary: 1. VSU_4\vcredist_x86.exe
✓ VSU_4\vcredist_x86.exe	6.3 MB	
VSU4\vcredist_arm.exe	1.4 MB	

Next

3. เมื่อดาวน์โหลดเสร็จเรียบร้อย และทำการติดตั้ง

# ขั้นตอนการติดตั้ง Internet Information Services (IIS)

1. Remote ไปที่ Server บน G-Cloud

Recycle Bin											
Google Chrome											
Mozilla Firefox											
						Windo	ows Ser	ver 20	12 R2		
		C:N_	0							- 16 12 (	7:22 PM 3 4/13/2015

### 2. เปิด Server Manager

<b>à</b>		Server Manager			_ 0 ×
Server M	lanager • Dashboard			🛛 🕄   🚩 Manage	Tools View Help
Dashboard	WELCOME TO SERVER MANAGER				<u>^</u>
Local Server     All Servers     File and Storage Services ▷	1 Conf	igure this local server			
	QUICK START	ld roles and features			
	3 Ac	Id other servers to manage			
	WHAT'S NEW 4 Cr	eate a server group			
					=
	LEARN MORE				Hide
	ROLES AND SERVER GROUPS				
	Roles: 1   Server groups: 1   Servers tota	E 1			
	File and Storage Services	Local Server 1	All Servers 1		
	1 Manageability	1 Manageability	1 Manageability		
	Events	Events	Events		
	Performance	1 Services	1 Services		
	BPA results	Performance	Performance		
		BPA results	BPA results		
	4/12/2015 7-22 DM	A/12/2015 7-22 DM	4/12/2015 7-22 DM		~
Server Manager	2 📋 🛅 🐸	<b>O</b>			• 🐻 🔁 🏚 7:22 PM 4/13/2015



4



# 3. ไปที่ Tab Manager -> Add Roles and Features

<b>a</b>	Server Manager						
Server N	1anager • Dashboard			• 🕲   🖡	Manage Tools View Help		
_	WELCOME TO SERVER MANAGER				Remove Roles and Features		
Dashboard	WELCOME TO SERVER MANAGER				Add Servers		
Local Server					Create Server Group		
All Servers	1 Config	gure this local server			Server Manager Properties		
File and Storage Services	QUICK START						
	2 Add	d roles and features					
	3 Add	d other servers to manage					
	WHAT'S NEW 4 Cree	ate a server group					
	LEARN MORE				Hide		
	ROLES AND SERVER GROUPS						
	Roles: 1   Server groups: 1   Servers total:	1					
	File and Storage 1 Services	Local Server 1	All Servers 1				
	1 Manageability	1 Manageability	1 Manageability				
	Events	Events	Events				
	Performance	1 Services	1 Services				
	BPA results	Performance	Performance				
		BPA results	BPA results				
	A/12/2015 7-22 DM	A/12/2015 7,22 DM	4/12/2015 7/22 DM		7:32 PM		
Server Manager		2			<ul> <li>Image: Image: Ima</li></ul>		

4. ในหน้าต่าง Add Roles and Features Wizard คลิก Next

2	Add Roles and Features Wizard
Before you begin	DESTINATION SERVER 93123-MGMT
Before You Begin Installation Type	This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.
Server Roles	To remove roles, role services, or features: Start the Remove Roles and Features Wizard
Features Confirmation Results	<ul> <li>Before you continue, verify that the following tasks have been completed:</li> <li>The Administrator account has a strong password</li> <li>Network settings, such as static IP addresses, are configured</li> <li>The most current security updates from Windows Update are installed</li> <li>If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.</li> <li>To continue, click Next.</li> </ul>
	Skip this page by default  < Previous  Next >  Install  Cancel



5. คลิกเลือก Role-based or feature-based installation และคลิก Next

à	Add Roles and Features Wizard
Select installation	type Destination server 93123-MGMT
Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	<ul> <li>Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).</li> <li>Role-based or feature-based installation Configure a single server by adding roles, role services, and features.</li> <li>Remote Desktop Services installation Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.</li> </ul>
	< Previous Next > Install Cancel

### 6. คลิกเลือก Server และคลิก Next

<b>B</b>	Add R	oles and Features W	ïzard	_ <b>D</b> X					
Select destination	n server		D	ESTINATION SERVER 93123-MGMT					
Before You Begin	Select a server or a virtual hard disk on which to install roles and features.								
Installation Type	Select a server from the server pool								
Server Selection	O Select a virtual har	rd disk							
Server Roles	Server Pool								
Features									
Confirmation	Filter:								
Results	Name	IP Address	Operating System						
	93123-MGMT	10.20.0.123,27	Microsoft Windows Server 2012 R2 Si	tandard					
	1 Computer(s) found								
	This page shows serve Add Servers command collection is still incon	ers that are running Wind d in Server Manager. Offli nplete are not shown.	ows Server 2012, and that have been a ne servers and newly-added servers fro	dded by using the om which data					
		< Prev	ious Next > Install	Cancel					



#### 7. Server Roles เลือก Web service (IIS)

A	Add Roles and Features Wizard	_ <b>D</b> X					
Select server role	S a pending restart. We recommend that you restart the destinati	DESTINATION SERVER 93123-MGMT					
Before You Begin	Select one or more roles to install on the selected server.						
Installation Type	Roles	Description					
Server Selection Server Roles Features Web Server Role (IIS) Role Services Confirmation Results	□ DHCP Server       ✓         □ DNS Server       ●         □ Fax Server       ●         ● ■ File and Storage Services (1 of 12 installed)       ●         □ Hyper-V       □         □ Network Policy and Access Services       ●         □ Print and Document Services       □         □ Remote Access       ■         □ Remote Desktop Services       □         □ Volume Activation Services       ■         □ Windows Deployment Services       ■         □ Windows Server Essentials Experience       ■	Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.					
○ Windows Server Update Services       < Previous							

8. Features เลือก .Net Framework 3.5 Features (ถ้าไม่เลือกจะมีผลกับ PHP Manager) และคลิก Next

<b>B</b>	Add Roles and Features Wizard	_ <b>D</b> X
Select features		DESTINATION SERVER 93123-MGMT
A The destination server has	a pending restart. We recommend that you restart the destination s	erver before either installing o ×
Before You Begin	Select one or more features to install on the selected server.	
Installation Type	Features	Description
Server Selection		.NET Framework 3.5 combines the
Server Roles	INET Framework 4.5 Features	power of the .NET Framework 2.0
Features	Background Intelligent Transfer Service (BITS)	building applications that offer
Web Server Role (IIS)	BitLocker Drive Encryption	appealing user interfaces, protect
Role Services	BitLocker Network Unlock	your customers' personal identity information, enable seamless and
Confirmation	BranchCache	secure communication, and provide
Results	Client for NFS	the ability to model a range of business processes.
	Data Center Bridging	business processes.
	Direct Play	
	Enhanced Storage	
	Failover Clustering	
	Group Policy Management	
	< III >	
	< Previous Next >	Install Cancel



9. คลิก Next ถึงหัวข้อ Confirmation และคลิกที่ปุ่ม Install

Þ		Add Roles and Features Wizard	-		x
	Confirm installati	on selections	INATION 9312	I SERV 3-MGI	ER VIT
	🛕 The destination server ha	s a pending restart. We recommend that you restart the destination server before either insta	illing o.		×
	Before You Begin	To install the following roles, role services, or features on selected server, click Install.			
	Installation Type	Restart the destination server automatically if required			
	Server Selection	Optional features (such as administration tools) might be displayed on this page because	e they	have	
	Server Roles	been selected automatically. If you do not want to install these optional features, click P their check hoves	revious	to cle	ar
	Features				
	Web Server Role (IIS)	Web Server (IIS)			^
	Role Services	Management Tools			
	Confirmation	IIS Management Console			=
	Results	Web Server			
		Default Document			
		Directory Browsing			
		HTTP Errors			
		Static Content			~
		Export configuration settings Specify an alternate source path			
		< Previous Next > Install	0	ance	

# 10. เมื่อติดตั้งเสร็จแล้วให้คลิก Close

<b>B</b>	Add Roles and Features Wizard	x
Installation progre	DESTINATION SE 93123-N	RVER IGMT
Before You Begin	View installation progress	
Installation Type Server Selection Server Roles	Feature installation A restart is pending on 93123-MGMT. You must restart the destination server to finish the installation.	
Features Web Server Role (IIS) Role Services	Web Server (IIS) Management Tools	^
Confirmation	IIS Management Console Web Server	=
Results	Common HTTP Features Default Document Directory Browsing HTTP Errors Static Content	
	Health and Diagnostics	$\checkmark$
	You can close this wizard without interrupting running tasks. View task progress or open the page again by clicking Notifications in the command bar, and then Task Details. Export configuration settings	iis
	< Previous Next > Close Can	cel



# 11. กลับมาที่ Server Manager จะพบ Role IIS เพิ่มขึ้น

คลิกเลือกที่ IIS -> คลิกขวาที่ Server เลือกเมนู Internet Information Server (IIS) Manager เพื่อเปิด IIS Manager

<b>a</b>		Server Ma	nager			Ŀ	- 0	x
Server N	1anager • IIS				• 🕄   🚩 Manage	Tools Vie	w Help	ı
Tashboard     Local Server     All Servers     File and Storage Services ▷     IS	SERVERS All servers   1 total Filter Server Name IPv4 Address 93123-MGMT 10.20.0.123,27.254.93. 93123-MGMT 10.20.0.123,27.254.93. EVENTS All events   0 total Filter Server Name ID Severity Source	(E)      (E)	Last Update 4/13/2015 7:49:26 P	Windows Activation           *M         00252-60070-40896-AA530 (	Activated)	TAS		
Server Manager	2 🚞 🔤 👻	<b></b>				• 🖫 📢	7:50 PN 4/13/20	v 1 15

### 12. จะพบหน้าต่าง IIS Manager

<b>V</b> j	Internet Information Services (IIS) Manager	_ 0 ×
🕥 🐧 🕨 Start Page		😧 🛛 🟠 🔞 🗸
File View Help		
Start Page           >	Monosoft Internet Information Services 8 Application Server Manager Recent connections Online resources	
	Name     Server     Connect to localhost     Users and Information       Is News and Information     Connect to a server     Connect to a server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Connect to a server     Connect to a server     Server       Server     Server     Server	
с ш >	IIS News IIS News is disabled, click the Enable IIS News link to get the most recent online news.	Enable I/S News
Ready		
Server Manager	🛛 📋 🖭 🍓 🧿 🔰 Internet Informati	▲ 😲 🍤 7:51 PM 4/13/2015



### 13. ทดสอบการทำงานของ IIS Server โดยการเปิด Browser

IIS Windows Server >	< <b>+</b>									-	a x	ĸ
🗲 🕲 localhost					⊽ C' Q	Search		☆ 自	+	â	9	=
	H Windows Server											
	Internet Info	rmation S	ervices									
	Welcome	Bienvenue Ter	vetuloa									
	ようこそ Benvenuto Bem-vindo	(ψ): Bienvenia bienven	lo Hoş geldiniz Välkommen	으나그의 다그가 고 환영합니다	Добро пожаловать ходара	v Üdvözöljük	elkom					
	Microsoft	Willkomm	en Velkommen		Witamy							
Server Manager		IIS Windows Serve	💿 🧤 Inte	ernet Informati					• 2	4	7:51 PM 4/13/201	И 15

### และทดสอบเข้า URL: localhost จะพบกับหน้าเว็บไซต์ดังกล่าว



## ขั้นตอนการติดตั้ง PHP

1. เปิด Browser เข้าเว็บไซต์ www.microsoft.com/web/downloads/platform.aspx



2. ดาวน์โหลด Microsoft Web Platform Installer 5.0 และติดตั้ง

Download the Microsoft W × +	Le contra de la co	- 0 >
Swww.microsoft.com/web/downloads/platform.aspx	▼ C Q. Search 🟠 🖨 🖡 🏫	9
Microsoft /web	English (United States)	
Home Platform Get Started O	et Web Apps Get Hosting Join Programs Downloads	
	Web Platform Installer WebMatrix Open File - Security Warning	
Microsoft Web Plat	Do you want to run this file?	
The Microsoft Web Platform Ir the Microsoft Web Platform, ir Framework and Visual Web De popular free web applications Application Gallery.	Name:     C:\Users\Administrator\Downloads\wpilauncher.exe     of       Publisher:     Microsoft Corporation     of       Type:     Application     of       From:     C:\Users\Administrator\Downloads\wpilauncher.exe     Veb	
- Why you'll love it.	Run     Cancel       ing and using the Web Platform       P[], you agree to the license terms	
It's Free The Web PI is a f download with no attached. We door	While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust.       Internet to use the information. WebPI uses the tomer Experience Improvement PJ, which is turned on by default,	
about you, but we o like free.	efinitely components that make up Some of the Microsoft software obtained the Microsoft Web Platform. through WebPI may use CEIP. To view which	
It's Smart Installing Web Apps updating the Micros Platform, Web PI's validation support of	or of Web mproved nsures version of the Microsoft Web	
everything just wor	ts. Platform.	





# 3. รอการติดตั้ง

Download the Microsoft W × +					_	ō	X
Swww.microsoft.com/web/downloads/platform.aspx	⊽ C <sup>4</sup>	Q, Search	☆ €	+	Â	ø	≡
Microso <sup>(*</sup> , '	English (I Inited States) v Web Platform Installer 5.0	eign an sei	x				^
Home P Micr The Mid the Mid Framew popular Applica							=
<	Web Platform Installer 5.0	)					>

#### 4. เปิด Web Platform Installer 5.0

0		Web Platform Installer 5.0			_ □	x
Spotlight <u>Produ</u>	icts Ap	plications				ρ
		Name		Released	Install	^
All Server	N	.NET 3.5 for Windows 8		9/1/2011	Add	
Frameworks	N	.NET 4.5 for Windows 8		9/1/2011	Installed	≡
Database	N	.NET 4.5 Extended with ASP.NET for Windows 8		9/1/2011	Add	
Windows Azure	php	PHP 5.3.28		5/8/2012	Add	Л
	Php	PHP 5.4.24		3/9/2012	Add	
	(Php)	PHP 5.5.11		4/9/2014	Add	
	php)	PHP 5.6.0 For IIS Express		9/8/2014	Add	
	php	PHP 5.6.0		9/8/2014	Add	
	<b>S</b>	Windows Cache Extension 1.3 for PHP 5.6		6/20/2014	Add	
	<u></u>	Windows Cache Extension 1.3 for PHP 5.6 in IIS Express		6/20/2014	Add	
	<u></u>	Windows Cache Extension 1.3 for PHP 5.5		8/22/2013	Add	
				0/22/2012	L L L	~
0 Items to be installed			<u>Options</u>	Install	Exit	





# 5. เลือกที่ Products -> Framework

0		Web Platform Installer 5.0	<u> </u>		_ <b>D</b> X
Spotlight <u>Produ</u>	ucts Ap	plications			م
		Name		Released	Install ^
All Server	N	.NET 3.5 for Windows 8		9/1/2011	Add
Frameworks	N	.NET 4.5 for Windows 8		9/1/2011	Installed =
🗎 Database 🏦 Tools	N	.NET 4.5 Extended with ASP.NET for Windows 8		9/1/2011	Add
Windows Azure	php	PHP 5.3.28		5/8/2012	Add
	php	PHP 5.4.24		3/9/2012	Add
	php	PHP 5.5.11		4/9/2014	Add
	php	PHP 5.6.0 For IIS Express		9/8/2014	Add
	ee Be	PHP 5.6.0		9/8/2014	Add
	<b>e</b>	Windows Cache Extension 1.3 for PHP 5.6		6/20/2014	Add
	<b>Q</b>	Windows Cache Extension 1.3 for PHP 5.6 in IIS Express		6/20/2014	Add
	<b>Q</b>	Windows Cache Extension 1.3 for PHP 5.5		8/22/2013	Add
				0/22/2012	✓
0 <u>Items to be installed</u>			Options	Install	Exit

6. คลิก Add PHP 5.6.0, Windows Cache Extension 1.3 for PHP 5.6 (PHP Manager จะเลือกให้เองโดยอัตโนมัติ)

0		Web Platform Installer 5.0			_ □	x
Spotlight <u>Produ</u>	i <mark>cts</mark> Ap	plications				Q
		Name		Released	Install	^
All Server	php	PHP 5.6.0 For IIS Express		9/8/2014	Add	
Frameworks	PPP	PHP 5.6.0		9/8/2014	Installed	
Database	1	Windows Cache Extension 1.3 for PHP 5.6		6/20/2014	Remove	
Windows Azure	<b>\$</b>	Windows Cache Extension 1.3 for PHP 5.6 in IIS Express		6/20/2014	Add	] =
	<b>S</b>	Windows Cache Extension 1.3 for PHP 5.5		8/22/2013	Add	
	<b>S</b>	Windows Cache Extension 1.3 for PHP 5.5 in IIS Express		8/22/2012	Add	
	<b>S</b>	Windows Cache Extension 1.3 for PHP 5.4		6/12/2012	Add	
	<b>S</b>	Windows Cache Extension 1.3 for PHP 5.4 in IIS Express		6/12/2012	Add	
	<b>S</b>	Windows Cache Extension 1.3 for PHP 5.3		12/5/2012	Add	
	<b>\$</b>	Windows Cache Extension 1.3 for PHP 5.3 in IISExpress		12/5/2012	Add	
	p, Iron	pip (Python 2.7)		1/30/2015	Add	
	p, iten	· (0.11 - 3.0		1/20/2015	LL A	<u> </u>
1 Items to be installed			Options	Install	Exit	



# 7. เมื่อคลิก Add เรียบร้อยแล้ว ทำการคลิก Install จากนั้นคลิก I Accept

	Web Platforr	n Installer 5.0	
PREREQUISITES	INSTALL	CONFIGURE	FINISH
Review the following list of this software identified below to be products are provided by the the responsible for and must separ	rd party application software, i installed and Windows com nird parties listed here. Micro ately locate, read and accept	Microsoft products and components, a ponents to be turned on. Third party ap osoft grants you no rights for third party these third party license terms.	and any additional oplications and software. You are
<ul> <li>PHP 5.6.0</li> <li><u>View license terms</u></li> <li>PHP Manager for IIS</li> </ul>		Dire	ect Download Link
View license terms Total file download size:		Dire	act Download Link 36.78 MB
Click here to see additional sof	tware to be installed and revi	ew the associated Microsoft license terr	<u>ns</u>
software identified above. If yo	ee to the license terms for the ou do not agree to all of the l	icense terms, click "I Decline".	A any additional

# 8. รอการติดตั้ง

	Web Pla	tform Installer 5.0	×
PREREQUISITES	INSTALL	CONFIGURE	FINISH
		Microsoft Azure Microsoft Azure is an open and flex platform that enables you to quick deploy and manage applications ac network of Microsoft-managed da Easily create web sites, virtual mach databases in a few clicks. <u>Try it free now!</u>	xible cloud dy build, cross a global tacenters. hines or
Download progress: PHP 5.3.7	28		0 KB/sec
Install progress: Installing IIS o	components [1 out of 8]		
		[	Cancel



# 9. เมื่อติดตั้งเรียบร้อยแล้ว คลิก Finish

	Web Platforr	n Installer 5.0	X
PREREQUISITES	INSTALL	CONFIGURE	FINISH
The following produces in the following produces in the following produces in the following produces in the following is consistent with the following is consistent with the following produces in t	nsion 1.3 for PHP 5.6	nstalled.	
			Finish



# ขั้นตอนการทดสอบ PHP

### 1. เปิด IIS Manager

<b>%</b>	Internet Information Services (IIS) Manager	_ 0 ×
	→ Sites → Default Web Site →	🐱 🛛 🚱 🗸
File View Help		
File       View       Help         Connections       Image: Connection point of the part o	Sites * Default Web Site +          Image: Philodic state is a state in the state is a state	Actions       Basic Settings       Citi Site       Bindings       Basic Settings       View Applications       View Virtual Directories       Manage Website       Restart       > Start       Browse Website       Browse *180 (http)       Advanced Settings       Configure       Limits       Install Application From       Gerry       Help
< III >	E Features View	
Ready		•

2. คลิกขวาที่ Default web site เลือกเมนู Explore

🖏 Internet Information Services (IIS) Manager	_ 0 ×
(€) ● 93123-MGMT → Sites → Default Web Site →	🕶 🐼 🟠 💽 -
File View Help	
	Image: Construction of the second
< Ⅲ > Eatures View ֎ Content View Ready	¢:





# 3. สร้างไฟล์ test.php และใส่โค้ดทดสอบดังนี้

<?php

phpinfo();

?>

### 4. ทดสอบโดยการเปิด Browser ใส่ URL: localhost/test.php จะพบกับหน้าเว็บไซต์ ดังนี้

PHP Version 5.6.0	php
Sustam	Mindows NT 02122 MCNT 6.2 build 0200 (Mindows Soviet 2012 P2 Standard Edition) (596
System Duild Data	Windows 141 93123-W6W1 0.3 build 9200 (Windows Server 2012 1/2 Standard Edition) 1500
Build Date	AUG 27 2014 11.49.40
Compiler	MSVC11 (Visual C++ 2012)
Architecture	x86
Configure Command	cscript /nologo configure.js "enable-snapshot-build" "enable-debug-pack" "disable-zts" "disable-isapi" "disable-nsapi" "without-mssql" "without-pl3web" "withpdo-oci=c:\php-sdk/oracle \%86\instantclient_12_1\sdk,shared" "with-oci8-12c=c:\php-sdk/oracle\x86\instantclient_12_1\sdk,shared" "with-enchant=shared" "enable-object-out-dir=/obj/" "enable-com-dotnet=shared" "with-mcrypt=static" "without-analyzer" "with-pgo"
Server API	CGI/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	C:Windows
Loaded Configuration File	C:\Program Files (x86)\PHP\v5.6\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20131106
PHP Extension	20131226
Zend Extension	220131226
Zend Extension Build	API220131226,NTS,VC11
PHP Extension Build	API20131226,NTS,VC11
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled

ถ้าพบหน้าเว็บไซต์ดังกล่าว แสดงว่า PHP สามารถใช้งานได้



#### 1. เปิด IIS Manager

ections	()		h cha lua										Actions
🚽   🖄   象 Start Page	Eilter:	auit we	site Hor	ne B Show All	Group by: A	rea	• III •						Etyplore
93123-MGMT (93123-MGMT Application Pools Sites Default Web Site	IIS	CGI	2							<b>F</b>	4	^ •	Edit Site Bindings Basic Settings
	Authentic	CGI	Compression	Default Document	Directory Browsing	Error Pages	Handler Mappings	HTTP Respon	Logging	MIME Types	Modules	Output Caching	View Applications View Virtual Directories
	PHP.	Example											Manage Website
	Manager	Filtering	SSL Settings	UKL Kewrite									<ul> <li>Start</li> <li>Stop</li> </ul>
		t 🚺										^	Browse Website Browse *:80 (http)
	Configurat Editor	Web Platfor											Advanced Settings
													Configure Limits
													Install Application From Gallery
													Help
	Features View	w 🕞 Conte	ent View										

2. คลิกที่ Default website และคลิกที่ icon PHP Manager

File View Help				
Connections	🌒 Pł	HP Manager		
Start Page 93123-MGMT (93123-MGMT) Application Pools	Use this feat	ture to check the PHP runtime set PHP Setup	tings, to configure PHP runtime directives and to enable or disable PHP extensions.	^
⊿		Not optimal PHP configure	ration detected on this machine. <u>View recommendations.</u>	
		PHP version:	5.6.0	
		PHP executable:	C:\Program Files (x86)\PHP\v5.6\php-cgi.exe	
		Handler mapping:	Local	
		Register new PHP version   Cha	ange PHP version   Check phpinfo()	
	0	PHP Settings		
		Configuration file:	C:\Program Files (x86)\PHP\v5.6\php.ini	=
		Error log:	C:\Windows\temp\PHP56_errors.log	
		Configure error reporting   Set	runtime limits   Manage all settings	
		PHP Extensions		
		There are 15 extensions enable	ed.	
		There are 36 extensions install	ed.	
		Enable or disable an extension	Add an extension	~
	<		III	>
< III >	Features V	/iew 📴 Content View		
Configuration: 'Default Web Site' web.	confia			4

PHP Manager สามารถปรับแต่งค่าต่างๆของ PHP ได้ เช่น Extension ของ PHP และสามารถดู log ต่างๆได้



# ขั้นตอนการติดตั้ง MySQL Server

1. เปิดโปรแกรม Web Platform Installer 5.0 จากนั้น Search "MySQL" และ คลิก Add ที่ MySQL Windows 5.5

0	Web Platform Installer 5.0		_ <b>D</b> X			
C Searc	h results for mysql	l				
	Name	Released	Install ^			
MySQL.	MySQL Windows 5.1	2/5/2013	Add			
MySQL	MySQL Windows 5.5	2/5/2015	Remove			
	Windows Azure Pack: MySQL Extension	2/11/2015	Add			
1	MySQL Connector/Net	7/18/2012	Add			
Jan Barris	SQL Server Migration Assistant for MySQL	7/11/2011	Add			
mgo 🖉 ul	mojoPortal	5/19/2014	Add			
X	Joomla 2.5	11/13/2013	Add			
@schllx	Schlix CMS	4/13/2013	Add			
8	Microsoft WebMatrix 3	5/1/2013	Add			
X	Joomla!	4/8/2015	Add			
the state of the s	Tiki Wiki CMS Groupware	8/14/2013	Add			
1 Items to	be installed Options	Install	Exit			

2. ใส่ Password ของ MySQL และคลิก Continue

Web Platform Installer 5.0									
PREREQUISITES	INSTALL	CONFIGURE	FINISH						
We have detected that you your installation. Default database admin ac Password: [ Re-type Password: [ Save my password	u will be installing MySQI	L. Please enter information below to	o complete						
		Cancel	Continue						



# 3. คลิก I Accept เพื่อยืนยันการติดตั้ง

	Web Platforn	n Installer 5.0	
PREREQUISITES	INSTALL	CONFIGURE	FINISH
Review the following list of thi software identified below to be products are provided by the t responsible for and must sepa	rd party application software, e installed and Windows com hird parties listed here. Micro rately locate, read and accept	Microsoft products and components, a ponents to be turned on. Third party ap soft grants you no rights for third party these third party license terms.	nd any additional plications and software. You are
∑ MySQL Windows 5.5		Dire	ct Download Link
Total file download size:		_	99.01 MB
Click here to see additional sof	tware to be installed and revi	ew the associated Microsoft license term	<u>15</u>
By clicking "I Accept", you agr software identified above. If y	ee to the license terms for the ou do not agree to all of the li	e third party and Microsoft software, and icense terms, click "I Decline".	l any additional
		l Decline	I Accept

4. รอการติดตั้ง MySQL

Web Platform Installer 5.0						
INSTALL	CONFIGURE	FINISH				
	Microsoft Azure Microsoft Azure is an open and flexibl platform that enables you to quickly l deploy and manage applications acro network of Microsoft-managed datac Easily create web sites, virtual machin databases in a few clicks. Try it free now!	le cloud build, ss a global ænters. es or				
ndows 5.5		37 KB/sec				
		Cancel				
	INSTALL	INSTALL       CONFIGURE         INSTALL       CONFIGURE         INSTALL       Microsoft Azure         Microsoft Azure is an open and flexible       platform that enables you to quickly le         Intervention       Intervention         Intervention       Intervention         Intervention       Microsoft Azure         Microsoft Azure is an open and flexible       platform that enables you to quickly le         Intervention       Intervention         Intervention       Intervention         Intervention       Intervention         Intervention       Intervention         Intervention       Intervention         Indows 5.5       Intervention				





### 5. เมื่อติดตั้ง MySQL เรียบร้อยคลิก Finish

	x		
PREREQUISITES	INSTALL	CONFIGURE	FINISH
✓ The following produ MySQL Windows 5.5	ucts were successfully i	installed.	
			Finish

6. รายละเอียดการใช้งาน MySQL Database คือ

Server: localhost

Username: root

Password: password ที่ใส่ไว้ในขั้นตอนที่ 2.

เพิ่มเติม ในการใช้งานจริงควรสร้าง User ขึ้นมาใหม่สำหรับ Application นั้นๆที่ติดต่อ MySQL ใช้งาน

เพื่อความปลอดภัยของ Application และ Server



## ขั้นตอนการทดสอบ PHP และ MySQL

1. ไปที่ Path ของเว็บไซต์ (Default web site)



### 2. สร้างไฟล์ testdb.php และใส่โค้ดทดสอบดังนี้

<?php

```
$connect=mysql_connect("localhost","root","password") or die("Unable to Connect");
```

mysql\_select\_db("mysql") or die("Could not open the db");

```
$showtablequery="SHOW TABLES FROM mysql";
```

```
$query_result=mysql_query($showtablequery);
```

while(\$showtablerow = mysql\_fetch\_array(\$query\_result))

{ echo \$showtablerow[0]."<br />"; }



# 3. เปิด Browser เข้า URL: localhost/testdb.php จะพบกับหน้าเว็บไซต์ ดังนี้

| Collocalhost/testdb.php   | ⊽ C <sup>i</sup> | Q Search | ☆∉ | • | Â | 9 = |
|---------------------------|------------------|----------|----|---|---|-----|
| columns_priv              |                  |          |    |   |   |     |
| db                        |                  |          |    |   |   |     |
| event                     |                  |          |    |   |   |     |
| func                      |                  |          |    |   |   |     |
| general_log               |                  |          |    |   |   |     |
| help_category             |                  |          |    |   |   |     |
| help_keyword              |                  |          |    |   |   |     |
| help_relation             |                  |          |    |   |   |     |
| help_topic                |                  |          |    |   |   |     |
| host                      |                  |          |    |   |   |     |
| ndb_binlog_index          |                  |          |    |   |   |     |
| plugin                    |                  |          |    |   |   |     |
| proc                      |                  |          |    |   |   |     |
| procs_priv                |                  |          |    |   |   |     |
| proxies_priv              |                  |          |    |   |   |     |
| servers                   |                  |          |    |   |   |     |
| slow_log                  |                  |          |    |   |   |     |
| tables_priv               |                  |          |    |   |   |     |
| time_zone                 |                  |          |    |   |   |     |
| time_zone_leap_second     |                  |          |    |   |   |     |
| time_zone_name            |                  |          |    |   |   |     |
| time_zone_transition      |                  |          |    |   |   |     |
| time_zone_transition_type |                  |          |    |   |   |     |
| user                      |                  |          |    |   |   |     |



#### วิธีการเพิ่ม Domain name

#### 1. เปิด IIS Manager



### 2. คลิกขวาที่ Site -> Add Website







### 3. ใส่รายละเอียดต่างๆ

| Add Website   | ?     | x |
|---|-------|---|
| Site name:     Application pool:       cloudweb.com     cloudweb.com  |       |   |
| Content Directory Physical path: Pass-through authentication Text Settings  |       |   |
| Binding<br>Type: IP address: Port:<br>http v All Unassigned v 80<br>Host name:<br>Example: www.contoso.com or marketing.contoso.com |       |   |
| ✓ Start Website immediately   | ancel |   |
| Site name ใส่ชื่อเว็บไซต์ที่ต้องการ   |       |   |

- Physical path เลือก path ของไฟล์เว็บไซต์

- Type เลือก http

- IP Address เลือก All Unassigned
- Port ใส่ค่า 80
- Host name ใส่ชื่อเว็บไซต์ที่ต้องการ

และคลิก OK



#### 4. ทดสอบโดเมนเนมเว็บไซต์ที่เพิ่มลงไป โดยการ MAP file Host

โดยไปที่ C: -> Windows -> System32 -> drivers -> etc

| 🕼 l ⊋ 🚯 = l               | etc   |                    |            | -     | D X |
|---------------------------|---|--------------------|------------|-------|-----|
| File Home Share           | View  |                    |            |       | v 🕐 |
| 📀 💿 🔻 🕯 👅 « Loc           | al Disk (C:) > Windows > System32 > drivers | ▶ etc              | ✓ C Search | etc   | Q   |
| ☆ Favorites               | Name  | Date modified      | Туре       | Size  |     |
| Desktop                   | hosts                                       | 8/22/2013 8:25 PM  | File       | 1 KB  |     |
| \rm Downloads             | Imhosts.sam                                 | 8/22/2013 10:38 PM | SAM File   | 4 KB  |     |
| 📃 Recent places           | networks                                    | 8/22/2013 8:25 PM  | File       | 1 KB  |     |
|                           | protocol                                    | 8/22/2013 8:25 PM  | File       | 2 KB  |     |
| 🌉 This PC                 | services                                    | 8/22/2013 8:25 PM  | File       | 18 KB |     |
| Network                   |   |                    |            |       |     |
| 5 items 1 item selected 8 | 24 bytes                                    |                    |            |       |     |

5. เปิด file hosts โดยใส่ IP Address Domain name เช่น 8.8.8.8

www.cloudweb.com





# 6. เปิด Browser เข้าเว็บไซต์ที่ Map ใน file host

| e www.cloudweb.com/testdb.php | ⊽ C <sup>4</sup> | Q Search | ☆ | Ê | + | Â | 9 = | = |
|-------------------------------|------------------|----------|---|---|---|---|-----|---|
| columns priv                  |                  |          |   |   |   |   |     | _ |
| db                            |                  |          |   |   |   |   |     |   |
| event                         |                  |          |   |   |   |   |     |   |
| func                          |                  |          |   |   |   |   |     |   |
| general_log                   |                  |          |   |   |   |   |     |   |
| help_category                 |                  |          |   |   |   |   |     |   |
| help_keyword                  |                  |          |   |   |   |   |     |   |
| help_relation                 |                  |          |   |   |   |   |     |   |
| help_topic                    |                  |          |   |   |   |   |     |   |
| host                          |                  |          |   |   |   |   |     |   |
| ndb_binlog_index              |                  |          |   |   |   |   |     |   |
| plugin                        |                  |          |   |   |   |   |     |   |
| proc                          |                  |          |   |   |   |   |     |   |
| procs_priv                    |                  |          |   |   |   |   |     |   |
| proxies_priv                  |                  |          |   |   |   |   |     |   |
| servers                       |                  |          |   |   |   |   |     |   |
| slow_log                      |                  |          |   |   |   |   |     |   |
| tables_priv                   |                  |          |   |   |   |   |     |   |
| time_zone                     |                  |          |   |   |   |   |     |   |
| time_zone_leap_second         |                  |          |   |   |   |   |     |   |

time\_zone\_name time\_zone\_transition

time\_zone\_transition\_type

user



### ขั้นตอนการติดตั้ง FTP Server

1. เข้าเว็บไซต์ <u>https://filezilla-project.org/download.php?type=server</u>

และ Download Filezilla Server



2. ติดตั้ง Filezilla Server





#### 3. เลือกแบบ Standard

Nullsoft Install System v2.46-Unicode -

| Z FileZi   | FileZilla Server beta 0.9.50 Setup  |   |  |  |  |  |
|--|---|---|--|--|--|--|
| Choose Components<br>Choose which features of FileZilla Server beta 0.9.50 you want to install.  |   |   |  |  |  |  |
| Check the components you wan<br>install. Click Next to continue.   | t to install and uncheck the com  | ponents you don't want to   |  |  |  |  |
| Select the type of install:  | Standard 🗸  |   |  |  |  |  |
| Or, select the optional<br>components you wish to<br>install:  | <ul> <li>FileZilla Server (Service)</li> <li>Administration interface</li> <li>Source Code</li> <li>Start Menu Shortcuts</li> <li>Desktop Icon</li> </ul> | Description<br>Position your mouse<br>over a component to<br>see its description, |  |  |  |  |
| Space required: 5.5MB  |   |   |  |  |  |  |
| Nullsoft Install System v2,46-Unico  | de  | Next > Cancel   |  |  |  |  |
| FileZi   | illa Server beta 0.9.50 S   | etup 🗕 🗖 🗙  |  |  |  |  |
| Choose Install Location<br>Choose the folder in which to in  | stall FileZilla Server beta 0.9.50  |   |  |  |  |  |
| Setup will install FileZilla Server beta 0.9.50 in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue. |   |   |  |  |  |  |
| Destination Folder   | Zilla Server\   | Browse  |  |  |  |  |
| Space required: 5.5MB<br>Space available: 21.7GB   |   |   |  |  |  |  |

< Back

Next >

Cancel



4. เลือก Install as service, started with Windows (default) และคลิก Next

| FileZilla Server beta 0.9.50 Setup  |
|---|
| Startup settings         Select startup behaviour for FileZilla Server                      |
| Please choose how FileZilla Server should be started:                                       |
| Install as service, started with Windows (default)  |
| Please choose the port, the admin interface of FileZilla Server should listen on (1-65535): |
| ✓ Start Server after setup completes  |
| Nullsoft Install System v2.46-Unicode   |
| < Back Next Cancel  |

5. เลือก Start if user logs on, apply to all users (default) และคลิก Install

| FileZilla Server beta 0.9.50 Setup                                |
|---|
| Startup settings<br>Select startup behaviour for FileZilla Server |
| Please choose how the server interface should be started:         |
| Start if user logs on, apply to all users (default)               |
| ✓ Start Interface after setup completes                           |
|   |
|   |
|   |
|   |
|   |
| Nullsoft Install System v2.46-Unicode                             |

# 6. เมื่อ Install เรียบร้อยแล้ว คลิก Close

| Z       | FileZilla Server beta 0.9.50 Setup 📃 💻 🗙  |
|---------|---|
| in<br>S | Setup was completed successfully.   |
| 1       | Completed   |
|         | Create shortcut: C: \ProgramData \Microsoft \Windows \Start Menu \Programs \FileZilla S<br>Create shortcut: C: \ProgramData \Microsoft \Windows \Start Menu \Programs \FileZilla S<br>Create shortcut: C: \ProgramData \Microsoft \Windows \Start Menu \Programs \FileZilla S<br>Create shortcut: C: \ProgramData \Microsoft \Windows \Start Menu \Programs \FileZilla S<br>Create shortcut: C: \Program Data \Microsoft \Windows \Start Menu \Programs \FileZilla S<br>Create shortcut: C: \Program Files (x86) \FileZilla Server \FileZilla Server .exe" /adminport 14147<br>Execute: "C: \Program Files (x86) \FileZilla Server \FileZilla Server .exe" /adminport 14147<br>Execute: "C: \Program Files (x86) \FileZilla Server \FileZilla Server .exe" /install auto<br>Put FileZilla Server Interface into registry<br>Completed |
| Nul     | soft Install System v2.46-Unicode   |

7. เมื่อติดตั้งเรียบร้อยแล้ว ให้เปิดโปรแกรม Filezilla Server

ใส่ Password Admin ของ Server และคลิก OK

|   | Connect to Server   |
|---|---|
| * | Server Address:         Port:           [::1]         14147 |
|   | Administration password:                                    |
|   | Always connect to this server     OK     Cancel             |



### 8. คลิกที่ icon User



9. คลิกที่ Page: General และคลิกที่ Add ในส่วนของ Users

|   | Users  | x                            |
|---|--|------------------------------|
| Page:<br>General<br>Shared folders<br>Speed Limits<br>IP Filter | Account settings  Enable account  Password:  Group membership:  Bypass userlimit of server Maximum connection count:  Connection limit per IP:  Force SSL for user login | Users Add Remove Rename Copy |
| ОК  | Description  |                              |
| Cancel  | You can enter some comments about the user   |                              |

10. ใส่ชื่อ user ที่ต้องการ และคลิก OK

| Add user account   |
|--|
| Please enter the name of the user account that should<br>be added: |
| [tp]   |
| User should be member of the following group:                      |
| <none> V</none>  |
| OK Cancel  |





- х Users Page: Users Account settings General Enable account Shared folders ••••• ✓ Password: Speed Limits Group membership: <a></a></a> IP Filter ¥ Bypass userlimit of server 0 Maximum connection count: 0 Connection limit per IP: Add Remove Force SSL for user login Rename Сору Description  $\wedge$ ОК You can enter some comments about the user Cancel
- 11. เลือกที่ Enable Account และ Password และใส่ password ของ user

12. คลิกที่ Page: Shared folders และคลิก Add เพื่อเลือก path ของเว็บไซต์

|   | Users  | : |
|---|--|---|
| Page:<br>General<br>Speed Limits<br>IP Filter | Shared folders       Files         Directories       Aliases         Write       Delete         Delete       Append         Directories       Create         Delete       Delete         List       + Subdirs         Add       Remove         Rename       Set as home dir         Adderectory alias will also appear at the specified location. Aliases must contain the full vitual path. Separate multiple aliases for one directory with the pipe character (1)         If using aliases, please avoid cyclic directory structures, it will only confuse FTP clients. |   |
| OK<br>Cancel                                  |  |   |



13. เลือกรายละเอียดของ Permission Files และ Directories และคลิก OK

|   | Users   |   | x  |
|---|---|---|--|
| Page:<br>General<br>Shared folders<br>Speed Limits<br>IP Filter | Shared folders         Directories       Aliases         H       C:\inetpub\cloud         < | Files<br>Read<br>Write<br>Polete<br>Append<br>Directories<br>Create<br>Delete<br>List<br>Files<br>Set as home dir<br>docation. Aliases must<br>with the pipe charact<br>uctures, it will only con | Users          Itp         Itp         Add         Rename       Copy         st contain the full virtual ter (1)         Infuse FTP clients. |
| OK<br>Cancel  |   |   |  |

14. ทดสอบโดยใช้โปรแกรม FTP จะพบ Log Connect ที่เข้ามา Server

|   | FileZilla Server (::1)            | _ 0 ×              |
|---|-----------------------------------|--------------------|
| File Server Edit ?  |                                   |                    |
| 🦩 🗛 📓 🕰 🧣 🕴 /0/ ex 📰 🗸  |                                   |                    |
| Hetneving account settings, please wait   |                                   |                    |
| Done retrieving account settings  |                                   | ~                  |
| Senaing account settings, please wait   |                                   |                    |
| (000006)4/13/2012 22:24:35 PM - (not logged in) (110.169.221.61)> Connected on port 21, sending welcome message   |                                   |                    |
| (000006)4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> 220-FileZilla Server version 0.9.50 beta  |                                   |                    |
| (000006)4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> 220 written by Tim Kosse (tim kosse@filezilla-project.org)  |                                   |                    |
| (U00006)4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> 220 Please visit https://filezilla-project.org/<br>U000006/4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> 211 FL TLS |                                   |                    |
| (000006)4/13/2015 22:24:35 PM - (not logged in) (110 165:221:61)> 502 SSI/TLS authentication not allowed  |                                   |                    |
| (000006/4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> AUTH SSL  |                                   |                    |
| (000006)4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> 502 SSL/TLS authentication not allowed  |                                   |                    |
| [(000006)4/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> USER ftp   |                                   |                    |
| (UUUUUUU)4/13/2015 22:24:35 PM - (not logged in) (110.165.221.61)> 331 Password required for ttp<br>(0000006/1/13/2015 22:24:35 PM - (not logged in) (110.169.221.61)> 5455.********              |                                   |                    |
| (000006)4/13/2015 22:24:35 PM - ftp: (10,169,221.61)>220 Logged on  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> SYST  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> 215 UNIX emulated by FileZilla  |                                   |                    |
| (U00006)4/13/2015 22:24:36 PM -tp (110.169.221.61)> FEAT  |                                   |                    |
| (000006)4/13/20152:24:36 PM -fp (110.165.22.161) 211-realizes.  |                                   | =                  |
| (000006/4/13/2015 22:24:36 PM - ftp (110.169.221.61)> REST STREAM   |                                   |                    |
| (000006)4/13/2015 22:24:36 PM -ftp (110.169.221.61)> SIZE   |                                   |                    |
| [(000006)4/13/2015 22:24:36 PM -ftp (110.169.221.61)> MLST type*;size*modify*;  |                                   |                    |
| (UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU  |                                   |                    |
| (00000614/13/2015 22:24:36 PM - ftp (110.169.221.61)> CLNT  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> MFMT  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> EPSV  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM -ttp (110.169.221.61)> EPR1<br>(000006)4/13/2015 22:24:36 PM -ttp (110.169.221.61)> 111 End   |                                   |                    |
| (000006//13/2015/22:24:36 PM -fb (110.169/22161)/ 211 E10   |                                   |                    |
| (000006/4/13/2015 22:24:36 PM -ftp (110.169.221.61)> 257 "/" is current directory.  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> TYPE I  |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> 200 Type set to I   |                                   |                    |
| (000006)4/13/2015 22:24:36 PM -ttp (110.169.221.61)> PORT 110.169.221.61,202.200<br>(000006)4/13/2015 22:24:36 PM -ttp (110.169.221.61)> 00 Rat compand support                                   |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61) AUSD   |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> 150 Opening data channel for directory listing of "/"   |                                   |                    |
| (000006)4/13/2015 22:24:36 PM - ftp (110.169.221.61)> 226 Successfully transferred "/"  |                                   | ~                  |
| ID 🛆 Account IP Transfer  | Progress Speed                    |                    |
| -&-000006 ftp 110.169.221.61  |                                   |                    |
|   |                                   |                    |
|   |                                   |                    |
|   |                                   |                    |
|   |                                   |                    |
| l<br>Ready  | 105 by the received 0 D /c 653 by | ter cent 0 B/c 🙈 🙈 |
| Incoury   | 105 bytes received 0 b/s 055 b    | ressent V D/S      |





#### เปิด Local Policy firewall สำหรับ FTP

#### 1. เปิด Network and Sharing Center



#### 2. คลิกที่ Windows Firewall และคลิกที่ Advanced Setting





### 3. เลือก Inbound Rules และคลิก New Rule

| <b>@</b>  | Windows Fire                                | ewall with Advanced Secu    | rity    |            |                   | _ 🗆 X    |
|---|---|-----------------------------|---------|------------|-------------------|----------|
| <u>F</u> ile <u>A</u> ction <u>V</u> iew <u>H</u> elp |   |                             |         |            |                   |          |
| 🗢 🄿 🖄 🗔 🗟 🚺   |   |                             |         |            |                   |          |
| Pindows Firewall with Advance                         | Inbound Rules                               |                             |         |            | Actions           |          |
| Inbound Rules   | Name  | Group 📩                     | Profile | Enabled ^  | Inbound Rules     | <b>^</b> |
| Connection Security Rules                             | Ø FTP-Port                                  |                             | All     | Yes        | 🚉 New Rule        |          |
| Monitoring  | Firefox (C:\Program Files (x86)\Mozilla Fir |                             | Private | Yes        | Filter by Profile | •        |
|   | Prietox (C:\Program Files (x80)\Wozilla Fir | BranchCache - Content Petr  | All     | No =       | Filter by State   | •        |
|   | BranchCache Hosted Cache Server (HTT        | BranchCache - Hosted Cach   | All     | No         | Filter by Group   | ,        |
|   | BranchCache Peer Discovery (WSD-In)         | BranchCache - Peer Discove  | All     | No         | a Piller by Group |          |
|   | COM+ Network Access (DCOM-In)               | COM+ Network Access         | All     | No         | View              | •        |
|   | COM+ Remote Administration (DCOM-In)        | COM+ Remote Administrati    | All     | No         | a Refresh         |          |
|   | Ore Networking - Destination Unreacha       | Core Networking             | All     | Yes        | 📑 Export List     |          |
|   | Ore Networking - Destination Unreacha       | Core Networking             | All     | Yes        | P Help            |          |
|   | Ocre Networking - Dynamic Host Config       | Core Networking             | All     | Yes        |                   |          |
|   | Core Networking - Dynamic Host Config       | Core Networking             | All     | Yes        | Selected Items    | <b>^</b> |
|   | Core Networking - Internet Group Mana       | Core Networking             | All     | Yes        | Disable Rule      |          |
|   | Core Networking - IPv6 (IPv6-In)            | Core Networking             |         | Ves        | 🔏 Cut             |          |
|   | Ocore Networking - Multicast Listener Do    | Core Networking             | All     | Yes        | Сору              |          |
|   | Ore Networking - Multicast Listener Qu      | Core Networking             | All     | Yes        | 🗙 Delete          |          |
|   | Ore Networking - Multicast Listener Rep     | Core Networking             | All     | Yes        | 2 Help            |          |
|   | 🐼 Core Networking - Multicast Listener Rep  | Core Networking             | All     | Yes        |                   |          |
|   | Ore Networking - Neighbor Discovery A       | Core Networking             | All     | Yes        |                   |          |
|   | Ore Networking - Neighbor Discovery S       | Core Networking             | All     | Yes        |                   |          |
|   | Ore Networking - Packet Too Big (ICMP       | Core Networking             | All     | Yes        |                   |          |
|   | Core Networking - Parameter Problem (I      | Core Networking             | All     | Yes        |                   |          |
|   | Core Networking - Router Advertisement      | Core Networking             | All     | Yes        |                   |          |
|   | Core Networking - Router Solicitation (IC   | Core Networking             |         | Yes<br>Vec |                   |          |
|   | Core Networking - Time Exceeded (ICMP       | Core Networking             |         | Ves        |                   |          |
|   | Distributed Transaction Coordinator (RPC)   | Distributed Transaction Coo | All     | No         |                   |          |
|   | Dictributed Transaction Coordinator (PD     | Distributed Transaction Coo | All     | No V       |                   |          |

### 4. เลือก Port และคลิก Next

| 2   | New Inbound Rule Wizard   |  |  |  |  |
|---|---|--|--|--|--|
| Rule Type<br>Select the type of firewall rule to o        | Rule Type<br>Select the type of firewall rule to create.  |  |  |  |  |
| Steps:<br>Protocol and Ports<br>Action<br>Profile<br>Name | What type of rule would you like to create?   Program   Rule that controls connections for a program.   Pot   Rule that controls connections for a TCP or UDP pot.   Predefined:   BranchCache - Content Retrieval (Uses HTTP)   Rule that controls connections for a Windows experience.   Custom   Custom rule. |  |  |  |  |

5. เลือก TCP และ Specific local ports: ใส่ค่า 20,21 และคลิก Next

| <b>@</b>  | New Inbound Rule Wizard  | x      |
|---|--|--------|
| Protocol and Ports  |  |        |
| Specify the protocols and ports to                        | which this rule applies.   |        |
| Steps:<br>Protocol and Ports<br>Action<br>Profile<br>Name | Does this rule apply to TCP or UDP?  TCP UDP  Does this rule apply to all local ports or specific local ports?  All local ports  Specific local ports: 20.21 Example: 80, 443, 5000-5010   ( Back Next > 1000) | Cancel |

6. เลือก Allow the connection และคลิก Next

| <b>@</b>  | New Inbound Rule Wizard   | x |
|---|---|---|
| Action<br>Specify the action to be taken whe              | en a connection matches the conditions specified in the rule.   |   |
| Steps:<br>Protocol and Ports<br>Action<br>Profile<br>Name | What action should be taken when a connection matches the specified conditions?         Image: Contract on Contract o |   |



7. เลือก Domain, Private, Public และคลิก Next

| <b>@</b>                              | New Inbound Rule Wizard  | x |
|---------------------------------------|--|---|
| Profile                               |  |   |
| Specify the profiles for which this r | ule applies.   |   |
| Steps:                                |  |   |
| Rule Type                             | When does this rule apply?   |   |
| Protocol and Ports                    | _  |   |
| Action                                |  |   |
| Profile                               | Applies when a computer is connected to its corporate domain.  |   |
| <ul> <li>Name</li> </ul>              | <ul> <li>Private         Applies when a computer is connected to a private network location, such as a home         or work place.</li> <li>Public         Applies when a computer is connected to a public network location.</li> </ul> |   |
|                                       | < Back Next > Cancel   |   |

8. Name ใส่ชื่อของ Policy firewall ที่ต้องการตั้ง และคลิก Finish

| <b>@</b>   | New Inbound Rule Wizard                        | x  |
|--|--|----|
| <b>Name</b><br>Specify the name and description of t   | his rule.                                      |    |
| Steps:   |  |    |
| <ul> <li>Rule Type</li> <li>Protocol and Ports</li> <li>Action</li> <li>Profile</li> <li>Name</li> </ul> | Name:<br>[FTP-Port]<br>Description (optional): |    |
|  |  |    |
|  | < Back Finish Canc                             | el |
|  | < Back Finish Cano                             | el |

