بسم الله الرحمن الرحيم كتاب مساعد في الشبكات

# كتاب بعنوان

## **Microsoft Forefront Server**

بقلم :

**Mohamed Ismael mohamed** 

MOONBOOK@LIVE.COM

بعد انا قامت شركة مايكروسوفت بطرح العديد من البرامج الجديده والقوية (زى ماهى بتقول) قامت بطرح وقامت ابصدار اكثر من برنامج تحت نفس هذ الاسم مثلFOREFRONTمجموعه برامج تحت مسمى

## Microsoft Forefront Server for Exchange Microsoft Forefront Server for SharePoint Microsoft Forefront Client Security

#### **Microsoft Forefront Threat Managenement Gateway**

ونحن فى هذة الدورة سوف نقوم بشرح هذة المنتجات ان شاء الله بالتفصيل الممل ( من البداية الى الاحتراف ) Microsoft Forefront Client Security Server بنظام Antivirus النا سوف نقوم بعمل السرفير ونقوم تحميل Server – Client ونقوم بربطهما ببعض حتى يتمكن Clinte الحصول على التحديثات من السرفير وحتى تقوم بادارة Clinte ونقوم بربطهما ببعض حتى يتمكن Clinte من الحصول على التحديثات من السرفير وحتى تقوم بادارة Clinte ونقوم بربطهما ببعض حتى يتمكن Clinte كما Porefront Client Security Server من نقطه مركزية واحده ومن شروط Clinteالكثر من وسوف نذكر الاسباب لاحقا Workgroup ولا يعمل فى بيئة قبل البداء فى تنزيل البرنامج لابد من تحديد انواع الرول المستخدمة وتحديد السرفير الذى سوف يقوم بتحيمل البرنامج عليه (ايه الكلام ده احنا مش فهمين حاجة رول ايه ده انتى فيرس يابش مهندس )

Role الى م Microsoft Forefront Client Security Serverقامت مايكروسوفت بتقسيم برنامج

وهما

Management Server Role Collection Server Role Collection Database Role Reporting Server Role Distribution Server Role

#### **Management Server Role**

هى الرول التى تقوم بعملية ادارة الفورفرنت وهى تحتوى على اتنين كونسل وهما FCS )Forefront Client Security ( MOM )Microsoft Operations Manager ( ووضع البوليسس لها كما سوف نرى Forefront Clientو عن طريق هذة الرول نستطيع ادارة

#### Collection Server Role -Collection Database Role

لانها تحتوى على جميع البيانات الخاصة بالفور فرونت والمستخدمين ولابد من Froefront هذة الرول هى قلب ٢٠٠٥ لكى تعمل هذة الرول وتنصح مايكروسوفت ايضا انك اذا كنت تدير ٢٠٠٠ مستخدم تنصحك SQLوجود

#### SQL 2005 Enterprise او اكثر من ذلك تستخدم SQL 2005 Standard باستخدم

#### **Reporting Server Role**

وان يكون Sql 2005 وهذة الرول كما هو واضح من اسمها تقوم باعداد التقرير ومن اهم شروطها وجود administrator يملك الصلاحية لانشاء التقرير على Sql

#### **Distribution Server Role**

لتوزيعها على المستخدمين wsusوهذة الرول هي الخاصة بتوصيل تحديثات الانتي فيرس الى

(طيب ده قصة الرول ايه بائه حكاية اختيار نوع الجهاز)

#### **Hardware Requirements**

هى عبارة عن مواصفات الجهاز التى تقوم بتحميل الرول عليه وانا هحطها للى عاوز يعرف بالزبط موصفات الخاصة بكل رول وطبعا لو هتمشى زى ما مايكروسوفت بتقول يبقى حضرتك عاوز على الاقل ٣ سرفيرات زى ما انا عامل فى File and Print Serverللبرنامج ده بس وطبعا ده فى مصر مستحيل ممكن تحمله على وتنزل G Ram ويكون ٤ cor2duo 2.85 GHz الشركة عندى او تجيى سرفير كويس على الاقل يكون الرول كلها على سرفير واحد وده اللى احنا هنشرحه فى الدورة بتاعتنا ان شاء الله

Server Role	Processor and Memory	Operating System	Software	Hard Disk
Management Server	1 GHz or faster with at least 1 GB RAM	Windows Server 2003 Standard or Enterprise with Service Pack 1 or Windows Server 2003 R2. No x64 editions	.NET Framework 2.0 GPMC with SP1 IIS 6.0 or greater ASP.NET Microsoft FrontPage Server Extensions MMC 3.0	512 MB or more
Collection Server without database	1 GHz or faster with at least 512 MB RAM	Windows Server 2003 Standard or Enterprise with Service Pack 1 or Windows Server 2003 R2. No ×64 editions	.NET Framework 2.0	1GB or more
Collection Server with database or SQL Server with just the collection database	Dual 2GHz or faster with at least 2GB RAM	Windows Server 2003 Standard or Enterprise with Service Pack 1 or Windows Server 2003 R2. No ×64 editions	SQL Server 2005 with SP1 Standard or Enterprise	30 GB or more
Reporting Server without database	1 GHz or faster with at least 512 MB RAM	Windows Server 2003 Standard or Enterprise with Service Pack 1 or Windows Server 2003 R2. No ×64 editions	IIS 6.0 or later, ASP.NET, and FrontPage Server Extensions	512 MB or more
Reporting Server with database or SQL Server with just reporting database	Dual 2 GHz or faster with 2 GB RAM or more	Windows Server 2003 Standard or Enterprise with Service Pack 1 or Windows Server 2003 R2. No ×64 editions	SQL Server 2005 with SP1 Standard or Enterprise (with Reporting Services)	75 GB or more

Table 2.2 FCS Hardware and Software Requirements

Continue

(طيب كده احنا فهمنا الرول وعرفنا مواصفات الجهاز المطلوبة فى حاجة كده كمان يابش مهندس ) (طيب كده احنا فهمنا الرول وعرفنا مواصفات الجهاز المطلوبة فى حاجة كده كمان يابش مهندس ) مايكروسوفت بتقولك اذا كان هيستخدم الانتى فيرس ده اكتر من ٥٠٠٠ مستخدم لابد من تحميل كل رول على على سرفير منفصل اما اذا كان اقل من ذلك wsusسرفير خاص بيه وهى بتقول على (٦سرفير) لانها بتعبر يمكن استخدام اى نوع من الثلاث انواع الموضحة بالرسم Figure 2.1 Single-Server Topology



#### Figure 2.2 Two-Server Topology



#### Figure 2.3 Three-Server Topology



setup(ماشى يابش مهندس احنا كده هنستخدم اول نوع زى ما انت قولت فى الاول ياله بيينا بائه نعمل

بالزبط احنا هنزل كل الرول على سرفير واحد بس قبل عملية الصطب لازم نجهز السرفير بتاعنا

بالبرامج الازمه (هي لسه في حاجة تاني ) هي تجهيز السرفير بالاتي Setupاخر حاجة قبل عملية Internet Information Services 6.0

■ASP.NET

### FrontPage Server Extensions

#### ∎GPMC SP1

#### **WSUS 3.0**

#### ■MMC 3.0

#### .■NET Framework 2.0

#### ■SQL Program

من غير قلق كل الاعدادت ده سهلة ان شاء الله و احنا هنفذ كل هذة الخطوات واحده واحده وبالصور

ياله بينا نبداء

#### Internet Information Services 6.0

🗁 D:\pro				<u>_ 8</u>
Eile Edit View Favorites Ion	ols Help 闷 Folders   🐼 🌛 🗙 🕊	Accessibility (	Options	
Address 🛅 D:\pro		🐻 Add or Remo	ve Programs	💌 💌 🛃 Go
Administrator		🥡 Administrative 🌯 Automatic Up	e Topis Install or remove dates	programs and Windows components.
Manage Your Server	😏 My Computer	Ante and Tim	e	
CAL Command Prompt	Gontrol Panel	Folder Option	IS	
Windows Explorer	Administrative Tools	Game Contro	llers	
	Printers and Faxes	🍠 Internet Opti 💩 Keyboard	ons	
Notepad	🕐 Help and Support	Licensing		
V Paint	<u> </u>	🔵 Mouse 🔌 Network Conr	nections	•
-	707 <u>R</u> un	🔛 Phone and Mo	odem Options	
		Portable Med	ia Devices	•
		Printers and F	axes	•
		Regional and	Language Options	
		Scanners and	Cameras	•
		🙆 Scheduled Ta	sks	•
		🧐 Sounds and A	Audio Devices	
	-	就 Speech		
All Programs 🔸		🐴 Stored User N	Names and Passwords	
	💋 Log Off 🛛 🛈 Shut D	y System	Start Menu	
🛃 Start 🛛 🧭 🏉 D:\	pro 🛛 🙀 1.b	np - 👹 Windows Fire	wall	😏 3:23 PM

Add/Remove windows compontesنختار

2	Add or Ren	nove Proc	nrams			201	×I
Delete Admin	5	Currentl	y installed programs:		Show up <u>d</u> ates §	ort by: Name	
	Change or Remove	🙀 Wine	dows Components Wizard			×	1
Instal Admir	Programs	,	<b>Windows Components</b> You can add or remove components o	of Windows.		Change/Remove	
Sec Confic	Add <u>N</u> ew Programs	s <sub>i</sub> E	To add or remove a component, click part of the component will be installed. Details.	the checkbox. A shade To see what's include	ed box means that only d in a component, click	Size 6.13MB	
	Add/Remove		<u>C</u> omponents:			_	
	<u>W</u> indows		🗹 📻 Accessories and Utilities		4.3 MB 🔺		
	Components		Application Server		33.8 MB 🗕		
			🔲 🔲 📴 Certificate Services		1.7 MB		
			🔲 🛄 E-mail Services		1.0 MB		
			I 🖂 🚳 Fax Services		7.8 MR 工	J	
			Description: Includes Windows Acces	ssories and Utilities for y	your computer.		
			Total disk space required: Space available on disk: 13493	4.3 MB 5.5 MB	<u>D</u> etails		
			<u>Back</u>	<u>N</u> ext >	Cancel H	elp.	7
ata 🐉	rt   ] 🕑 🥭		D:\pro 🛛 👹 1.bmp - Paint	👿 Setup	Add or Remov	🚺 👸 Windows Co	3:25 PM

Add or Rep	nove Programs	
ete	Currently installed programs:	me 💌
Change or	Windows Components Wizard	
Remove		
tal	Application server	
	To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.	Change/Remove
Add <u>N</u> ew	Subcomponents of Application Server:	Size 6.13MB
er rograns	😰 🔲 🌇 Application Server Console 0.0 MB 🖂	
ific 두	ASP.NET 0.0 MB	
	🗹 👰 Enable network COM+ access 0.0 MB	
Add/Remove Windows	D D Enable network DTC access     O.0 MB	
Components	🗹 🏹 Internet Information Services (IIS) 26.8 MB	
	🗆 🚅 Message Queuing 7.0 MB	
	Description: IIS Includes Web, FTP, SMTP, and NNTP support, along with support for FrontPage Server Extensions and Active Server Pages (ASP).	
	Total disk space required: 14.5 MB	
	OK Cancel	
	< <u>Back N</u> ext > Cancel Help	
t	Dulara 1 2 hma Daiat 1 Satura 1 Statura 1 Statura	launa Ca

فى هذة الخطوة سوف نقوم بتنزل

Internet Information Services 6.0

■ASP.NET

■FrontPage Server Extensions

2	🖌 76 Add or Rer	nove Pr	rograms							×I
Delete Admin		Curre	ently installed program	ns:		🗖 Sho	w up <u>d</u> ates	Sort by: Na	me	
Instal Admir Sec Confit	Change or Remove Programs Add New Programs Add/Remove Windows Components	15 27 15	Indows Componen oplication Server Internet Informat To add or remove a of the components of Subcomponents of Description: A co Web Total disk space ref Space available on	nt's Wizard ion Services (119 icomponent, click th iil be installed. To si Internet Information d Intelligent Transfer es r Protocol (FTP) Ser 2002 Server Extensis promation Services M nting ice re component of IIS clients on a TCP/IF quired: 28.6 disk: 134935.5	<ul> <li>b)</li> <li>be check box. A ee what's include</li> <li>cervices (IIS):</li> <li>r Service (BITS) \$</li> <li>rvice</li> <li>ions</li> <li>lanager</li> <li>that uses HTTP</li> <li>P network.</li> <li>8 MB</li> <li>5 MB</li> </ul>	shaded box me d in a compone erver Extension to exchange inf	ans that only pa nt, click Details ns 0.2 MB 1.0 MB 0.1 MB 14.2 MB 1.3 MB 0.0 MB 1.0 MB 1.0 MB 1.0 MB		Change/Remove Size 6.13MB	
🦺 Sta	rt   🔀 🥭	] [	🔁 D:\pro	🦞 3.bmp - Paint	t 🛛 🗖 Setup	1	) Add or Remo	v 🔀 Wind	dows Co 📑 🕄	3:26 I

لانه سوف يحتاج على windows 2003 ثم نقوم بوضع اسطوانة next ثم ok بعد ذلك نقوم بالضغط على وف يحتاج على بعض الملفات الموجود بها وهكذا نكون انتهينا من تثبيت الثلاث خدمات الاوله

∎GPMC SP1



🗁 D:\pro		_ 8
Eile Edit View Favorite	is <u>T</u> ools <u>H</u> elp	
🔇 Back 👻 🕥 👻 🦻 🔎	Search 🌔 Folders 🛛 🔯 汝 🗙 🍫 🔛 -	
Address 🗁 D:\pro		💌 🄁 Go
Name 🔺	🖟 Microsoft Group Policy Management Console with SP1 Setup Wizard	
netfromwork New Folder (4) sql2005 sqlfull_enu windows 2008 sp2 fpse02_win2008_vista_rtr gpmc.msi WINDOWSSERVER2003-K WSUS2-KB919004-x86.ex	License Agreement         Please take a moment to read the license agreement now. If you accept the terms below, click "I Agree", then "Next". Otherwise click "Cancel".         SUPPLEMENTAL END USER LICENSE AGREEMENT ("Supplemental EULA")         MICROSOFT GROUP POLICY MANAGEMENT CONSOLE FOR MICROSOFT WINDOWS 2000 SERVER, WINDOWS 2000 ADVANCED SERVER, WINDOWS 2000 DATACENTER SERVER AND WINDOWS SERVER 2003         IMPORTANT: READ CAREFULLY - The Microsoft software that accompanies this Supplemental EULA, which includes computer software and may include associated media printed materials. "online" or electronic documentation and         • Agree         • I Disagree	
🏄 Start 🛛 😰 🥭 👘	🔁 D:\pro	📑 3:15 PM

🗁 D:\pro		_ 8
<u>Eile Edit View Favorites</u>	; Tools Help	
🔇 Back 👻 🏐 🔹 🧊 🖓	Search 🜔 Folders 🛛 🎲 🌛 🗙 🍫 🔠	
Address 🗁 D:\pro		🔻 🄁 Go
Name 🔺	🖟 Microsoft Group Policy Management Console with SP1 Setup Wizard	
<ul> <li>netfromwork</li> <li>New Folder (4)</li> <li>sql2005</li> <li>sqlfull_enu</li> <li>windows 2008 sp2</li> <li>fpse02_win2008_vista_rti</li> <li>gpmc.msi</li> <li>WINDOWS5ERVER2003-K</li> <li>WSUS2-K8919004-x86.ex</li> </ul>	License Agreement Please take a moment to read the license agreement now. If you accept the terms below, click 'I Agree'', then "Next'. Otherwise click 'Cancel'.  SUPPLEMENTAL END USER LICENSE AGREEMENT ("Supplemental EULA") MICROSOFT GROUP POLICY MANAGEMENT CONSOLE FOR MICROSOFT WINDOWS 2000 SERVER, WINDOWS 2000 ADVANCED SERVER, WINDOWS 2000 DATACENTER SERVER AND WINDOWS SERVER 2003 MPORTANT: READ CAREFULLY - The Microsoft software that accompanies tais Supplemental EULA, which includes computer software and may include associated media crinted materials. "online" or electronic documentation and  C Lagree C	
🍂 Start 🗍 😰 🚙 🔤	🔁 D;\pro 🛛 🙀 Microsoft Group Polic 🦉 1.bmp - Paint	🛃 3:15 PM



∎WSUS 3.0



🙀 1.bmp - Paint					_ 8
Ele Edit View Image	Colors Help				
Image: Additional system       Image: Addition	Microsoft Windows Server Upd License Agreement To install Microsoft Windows S user license agreement Please read the following agree DOWN key to view the rest of Windows Server (•) Upd PLEASE NOTE: Microsoff one of its affiliates) licens copy of this supplement v Windows Server 2003 (all editions except Profession	late Services Service Pack 1 s erver Update Services, you must a ment carefully. Use the scroll bar of the text. To print the text, click Prin date Services with Servic t Corporation (or based on w ses this supplement to you. vith each validly licensed cop ll editions), Microsoft Window nal), and any Microsoft produ	Setup Wizard accept the terms of the er or press the PAGE it. The Pack 1 where you live, You may use a by of Microsoft vs 2000 (all uct suites that	nd	
<	I <u>accept the terms of the Lin</u> I <u>d</u> o not accept the terms of	<u>cense agreement</u> ( the License agreement < <u>B</u> ack	<u>P</u> rint <u>N</u> ext ≻	Cancel	
	no the Helo Menu				
2 Start 3	D:\pro	🛛 🦞 1.bmp - Paint	Setup	🍓 Microsoft Wi	3:28 PM

التي سوف يقوم update بكل wsusهذة المرحلة هي المرحله التي نحدد فيها مكان الذي سوف يحتفظ

ولابد من وجود مساحة ٦ جيجا forefront updateبتحميلها من على الانترنت لتوزيعها على الاجهزة ومنها

ntfsعلى الاقل ويجب ان يكون البرتيشن

🗁 D:\pro						_ 8
Eile Edit View Fay	vorites <u>T</u> ools <u>H</u> elp					
🕓 Back 🝷 🕘 🝷 🧊	🔎 Search 🛛 🌔 Folders	🕼 🌶 🗙 💋	<b></b>			
Address 🗁 D:\pro	<b>W</b> icrosoft Windows	Server Update Serv	ices Service Pack 1	Setup Wizard	×	💌 🄁 Go
Name   Name   New Folder (4)  Sql2005  Sqlfull_enu  Windows 2008 sp2  Sqlfull_enc.msi  WINDOWSSERVER200  WSU52-KB919004-x8	Select Update So You can specify	<b>JICE</b> where client computers a	acquire updates from.		<b>3</b>	
	If you have a driv you can use it to : If you need to sav Update; download If you choose to s until you approve all languages.					
			<u> </u>	Browse	Cancel	
🦹 Start 🛛 🚱 🥭	] 🗁 D:\pro	D:\pro	🦉 2.bmp - Paint	Setup	🍓 Microsoft Wi	📑 3:28 PM

Nextنقوم بتحديد المسار والضغط على

🗁 D:\pro		- 8
Eile Edit ⊻iew Far	vorites <u>T</u> ools <u>H</u> elp	
🔾 Back 🝷 🕥 🝷 🦻	🔎 Search 🌔 Folders 🛛 😹 🌛 🗙 🍤 🕅 🖶	
Address 🗁 D:\pro	🐍 Microsoft Windows Server Update Services Service Pack 1 Setup Wizard	💌 🄁 Go
Name  Interfromwork New Folder (4) Seql2005	Database Options You can specify where to store data for Microsoft Windows Server Update Services.	
Sqlfull_enu windows 2008 sp2 fpse02_win2008_vist. gpmc.msi WINDOWSSERVER200 winsi is2_kBa19004_v8	You can have Microsoft Windows Server Update Services install SQL Server Desktop Engine (Windows) or you can use an existing database server for Microsoft Windows Server Update Services data. If you install a database server, the folder must be on a drive formatted with the NTFS file system that has a minimum of 2 GB of free disk space (8 GB if you chose to store updates locally on the same drive).	
WSU52-KB919004-x8		
	< Back Next > Cancel	
🔊 Start 🛛 🔞 🛋	D:\pro	<b>Wi</b> 3:29 PM

NTFS ولابد ان يقوم بالتحيمل على برتيشن SQL Server Desktop Engine هذة المرحلة لتنزيل

Nextويجب ان تتوفر مساحة من ۲ جيجا فارغة نتركها كما هى ونضغط

🗁 D:\pro			_181
Eile Edit View Fav	rorites <u>T</u> ools <u>H</u> elp		
🔾 Back 👻 🕥 🖌 🧊	🔎 Search 🌔 Folders 🛛 🐼 💓 🗙 🍤 🛄 🖬		
Address 🗁 D:\pro	🎂 Microsoft Windows Server Update Services Service Pack 1 Setup Wizard	×	🗾 🔁 Go
Name *	Web Site Selection You can specify which Web site to use for the Microsoft Windows Server Update Services administrative tool and Web services	<i>*</i> *5	
👝 sqlfull_enu	Web site preference:		
Gradows 2008 sp2 Gradows 2008	Use the existing IIS Default Web site (recommended) The WSUS console will share the IIS site and use port 80.		
WINDOWSSERVER201	C <u>C</u> reate a Microsoft Windows Server Update Services Web site The WSUS console will have a separate site and use port 8530.		
	To manage Microsoft Windows Server Update Services, connect to: http://SSHQFPS01/WSUSAdmin		
	Configure your client computers to access Microsoft Windows Server Update Services at: http://SSHQFPS01		
🍂 Start 🛛 🚱 🏉	D:\pro D:\pro D:\pro Setup	🎍 Microsoft Wi	🥑 3:29 PM

يسالك انت wsus وفي هذة المرحلة iis يقوم بعمل صفحة ويب في wsusهذه النقطة وهي ان كما نعلم ان

تشتغل على البورت الاساسى ولا هتشتغل على بورت جديد

ملحوظه هام جدا

exchange في owaاذا كان لديك اى برنامج اخر يتستخدم البورت ٨٠ مثل

فلابد من اختيار الاختيار الثانى لتجنب حدوث مشاكل

Nextثم نقوم بالضغط

🗁 D:\pro						_ 2			
Eile Edit View Fay	orites <u>T</u> ools <u>H</u> elp								
🔇 Back 🝷 🕥 🝷 🧊	🔎 Search 🛛 🌔 Folde	rs 🛛 🎯 🌛 🗙 🍫	<b></b> +						
Address 🗁 D:\pro	🅙 Microsoft Window	vs Server Update Ser	vices Service Pack 1	Setup Wizard	×	💽 🄁 Go			
Name  Interfromwork New Folder (4) Seql2005	Mirror Update So If you want, thi Microsoft Wind	e <b>ttings</b> s server can inherit (mirror lows Server Update Servi	) the list of approved upda ces server on your netwo	ates from another rk.	<b>*</b> 3				
sqlfull_enu windows 2008 sp2 fpse02_win2008_vist.	If you want this se and not mirror and servers, skip this :	rver to be a standalone M ther one, or you have no screen.	ficrosoft Windows Server other Microsoft Windows	Update Services serve Server Update Service	er es				
WINDOWSSERVER201	The name of the s	are creating a hierarchy of erver you want to mirror (w information about replica	servers, you can select t without an http:// or https: mode, please read the W	ne check box and type // prefix). 'SUS deployment guide					
	This server s	This server should inherit the settings from the following server							
	<u>S</u> erver name: TCP <u>p</u> ort:	80							
		,							
			< <u>B</u> ack	<u>N</u> ext>	Cancel				
-									
ಶ Start 🛛 🕑 🥭	] 🗁 D:\pro	D:\pro	🛛 🦉 5.bmp - Paint	📝 Setup	🛛 🍓 Microsoft Wi	3:29 PM			

nextنضغط

🗁 D:\pro						_ 8
Eile Edit View Fav	orites <u>T</u> ools <u>H</u> elp					
😋 Back 🝷 🏐 🔸 🧊	🔎 Search 🛛 🌔 Folders	🕼 🌶 🗙 🍤	<b></b>			
Address 🗁 D:\pro	🌜 Microsoft Windows	Server Update Serv	ices Service Pack 1 9	Setup Wizard	×	💌 🔁 Go
Name  Interfromwork New Folder (4) Sql2005	Ready to Install M	licrosoft Windows Se	erver Update Service	35	<b>3</b>	
sqlfull_enu sqlfu	Microsoft Windo configuration: - Content - Databas - Administ - Client sel The following co Services: - Microsoft	ws Server Update Servic folder: D:\WSUS\Wsus( e files: D:\WSUS\ ation site: http://SSHQF if update sites: http://SSI imponents will be installer SQL Server 2000 Deskt	ces is ready to be installe Content PS01:8530/WSUSAdmi HQFPS01/selfupdate, h d along with Microsoft W op EnginefWindows)	ed with the following in http://SSHQFPS01:8531 /indows Server Update	)/selfupdate	
	- ASP.NET To install, click M	Next. To review or chang	e settings, click Back.			
			<u>Back</u>	Next>	Cancel	
🥙 Start 🛛 🚱 🙈	D:\pro	D:\pro	🦉 6.bmp - Paint	📝 Setup	👋 Microsoft Wi	3:29 PM



وتعمل wsus بس فى نقطة مهمه جدا هى ان لازم تدخل على wsus هكذا نكون انتهينا من تحميل Synchronize فى علمية Forefront لانه يقوم بتحميل ملف يحتاجة Synchronize

.■NET Framework 2.0









Delete Server Administrat					
Administrator	Micros Yo	oft .NET Framework 3.5 Setup	nplete the installation.		
		Eestart Now	Restart Later		
			binessfi	NET Framework 2.5 Setting	<b>Tecycle Bir</b>
🍂 Start 🛛 🚱 🍠	D:\pro	🔰 4.bmp - Paint	Microsoft .NE	Framewo	3:55 PM

عشان نرجع نكمل باقى الاعدادتRestartنقوم بعمل

SQL لبرنامج الجميل Setupياله بينا نعمل Setupنقوم بعمل

🌅 My Computer 👘			_ 8
Eile Edit ⊻iew	Favorites	Tools Help	
🕒 Back 🔹 🕥 🔹 💋	🕽 🛛 🔎 Se	arch 🜔 Folders 🛛 🎲 汝 🗙 🍤 🛛 📆 -	
Address 😼 My Comp	outer	Microsoft SQL Server 2005 Setup	💌 🄁 Go
Name	Туре	End User License Agreement	
Hard Disk Drives			
≪Local Disk (C:)	Local (		
≫New Volume (D:)	Local (	MICROSOFT SOFTWARE LICENSE TERMS	
Devices with Rem	ovable	MICROSOFT SQL SERVER 2005 STANDARD AND ENTERPRISE	
31/2 Floppy (A:)	31½-Ir CD Dri	These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft * updates. * supplements. * Internet-based services, and * support services Pint Next> Cancel	
🏄 Start 🛛 🔀 🍎	] [	My Computer Microsoft SQL Server	🛛 🕐 🛱 🛃 1:49 PM





Success         Success         Details:         Action         SQL Server Edition Operati         Minimum Hardware Require         IIS Feature Requirement         Pending Reboot Requirement         Performance Monitor Count         Default Installation Path Per	14 14 ing System Su ement Su Su ent Su	Total Success atus iccess iccess	0 Error 0 Warning Message		
curity       Details:         Action       SQL Server Edition Operati         Int install       Minimum Hardware Require         IIS Feature Requirement       Pending Reboot Requirement         Performance Monitor Count       Default Installation Path Pe	Sta ing System Su ement Su Su ent Su	atus Iccess Iccess	Message		
Action SQL Server Edition Operati Minimum Hardware Require IIS Feature Requirement Pending Reboot Requirement Performance Monitor Count Default Installation Path Pe	ing System Su ement Su Su ent Su	atus Iccess Iccess	Message		
SQL Server Edition Operation     Square Edition Operation     Minimum Hardware Require     IIS Feature Requirement     Pending Reboot Requirement     Performance Monitor Count     Default Installation Path Pe	ing System Su ement Su Su ent Su				
t install  Minimum Hardware Require  IIS Feature Requirement  Pending Reboot Requirement  Performance Monitor Count  Default Installation Path Pe  It count  It count  Default Installation Path Pe  It count  Default Stallation Path Pe  It count  Default Stallat	ement Su Su ent Su				
IIS Feature Requirement     Pending Reboot Requirement     Performance Monitor Count     Default Installation Path Pe	Su ent Su				
Pending Reboot Requirement     Performance Monitor Count     Default Installation Path Performance Final Action Path	ent Su	ICCESS			
Performance Monitor Count     Default Installation Path Performance		ICCESS			
Default Installation Path Pe	ter Require Su	ICCESS			
Designed and the second s	ermission Re Su	ICCESS			
	ent Su				
COM Plus Catalog Require	ment Su	ICCESS			
ASP.Net Version Registrati	on Require Su	ICCESS			
Fi <u>lt</u> er 💌	[	<u>S</u> top	<u>R</u> eport	•	
Help			Next		
			[ <u></u>		

Delete Server Administrat		
	🔂 Microsoft SQL Server 2005 Setup	
Install Server Administrator	Registration Information           The following information will personalize your installation.	
Security Configurati	The Name field must be filled in prior to proceeding. The Company field is optional. N <u>a</u> me: admin	
forfornt install	Company: united	
install sql	Please enter your 25 character Product Key. You can find this number on the yellow sticker in the CD liner notes or the CD sleeve.	
	Help < Back Next > Cancel	<b>Decuria Ri</b>
🦺 Start   📴 🏉	My Computer 🛛 🦉 5.bmp - Paint 🔀 Microsoft SQL Server	Recycle Bil

Delete Server Administrat			
Install Server Administrator	<b>愛 Microsoft SQL Server 2005 Setup</b> <b>Components to Install</b> Select the components to install or upgrade.	×	
Security Configurati	<ul> <li>SQL Server Database Services</li> <li>Create a SQL Server failover duster</li> <li>Analysis Services</li> <li>Create an Analysis Server failover duster</li> </ul>		
forfornt install	<ul> <li>Reporting Services</li> <li>Ngtification Services</li> <li>Integration Services</li> <li>Workstation components, Books Online and development tools</li> </ul>		
	For more options, click Advanced. Help< <u>Back Next &gt;</u>	Advanced	
🛃 Start 🛛 😰 🏉	) 💆 My Computer 🛛 🙀 6.bmp - Paint 🛛 🙀 Micro	osoft SQL Server	Recycle f

# MOONBOOK@LIVE.COM