بسم الله الرحمن الرحيم

كتاب مساعد فى الشبكات

كتاب بعنوان

Microsoft Forefront Server

بقلم :

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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 Serverاول ما سوف نقوم بشرحه هو

بمعنى اننا سوف نقوم بعمل السرفير ونقوم تحميل Server – Client بنظام Antivirusهو عباره عن الحصول على التحديثات من السرفير وحتى تقوم بادارة Clinte ونقوم بربطهما ببعض حتى يتمكن Clinte كما Forefront Client Security Server من نقطه مركزية واحده ومن شروط Clinteاكثر من وسوف نذكر الاسباب لاحقا Workgroup ولا يعمل فى بيئة Dominسوف نعلم لاحقا انه 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 ٥ 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 Clientوعن طريق هذة الرول نستطيع ادارة

Collection Server Role -Collection Database Role

لانها تحتوى على جميع البيانات الخاصة بالفورفرونت والمستخدمين ولابد من Froefrontهذة الرول هى قلب ٢٠٠٥ لكى تعمل هذة الرول وتنصح مايكروسوفت ايضا انك اذا كنت تدير ١٠٠٠ مستخدم تنصحك SQLوجود

SQL 2005 Enterprise او اكثر من ذلك تستخدم SQL 2005 Standardباستخدم

Reporting Server Role

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

Distribution Server Role

لتوزيعها على المستخدمين wsusوهذة الرول هى الخاصة بتوصيل تحديثات الانتى فيرس الى

(طيب ده قصة الرول ايه بانه 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 الشركة عندى او تجيى سرفير كويس على الاقل يكون cor2duo 2.85 GHz ٤ ويكون G Ram وتنزل الرول كلها على سرفير واحد وده اللى احنا هنشرحه فى الدورة بتاعتنا ان شاء الله

Table 2.2 FCS Hardware and Software Requirements

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 ×64 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	1 GB or more
Collection Server with database or SQL Server with just the collection database	Dual 2 GHz or faster with at least 2 GB 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

Continue

(طيب كده احنا فهمنا الرول وعرفنا مواصفات الجهاز المطلوبة فى حاجة كده كمان يابش مهندس)

Setupاه فى جزء لابد من ذكره (مع انه مهم للشركات الكبيره جدا فقط) قبل البدء فى عملية

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

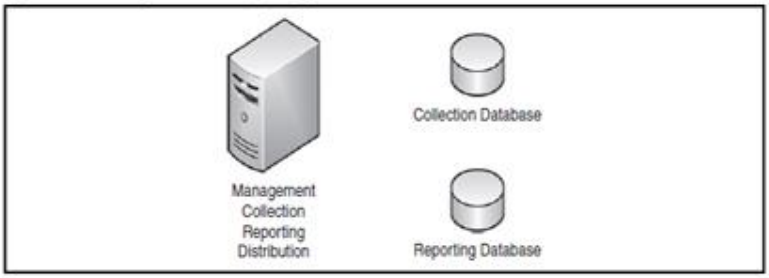


Figure 2.2 Two-Server Topology

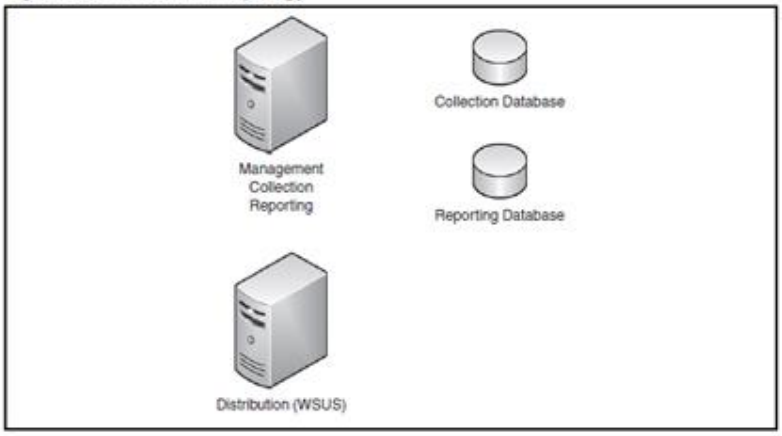
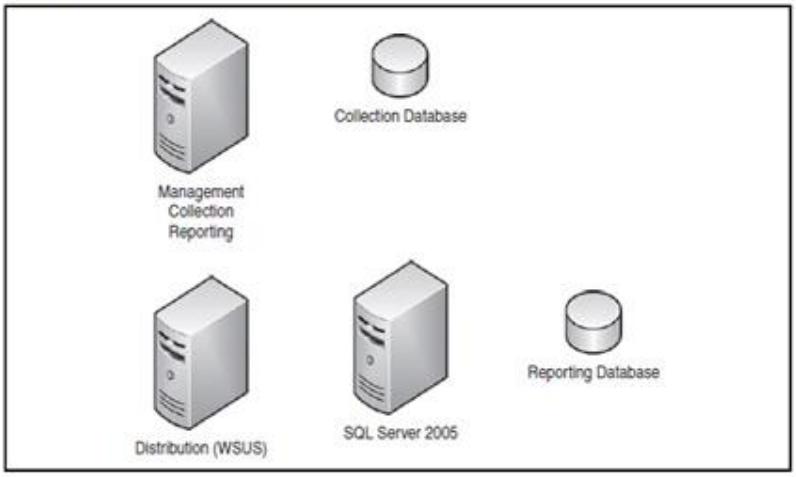


Figure 2.3 Three-Server Topology



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

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

بالبرامج الازمه (هى لسه فى حاجة تانى)

هى تجهيز السرفير بالاتى **Setup**اخر حاجة قبل عملية

■Internet Information Services 6.0

■ASP.NET

■FrontPage Server Extensions

■GPMC SP1

■WSUS 3.0

■MMC 3.0

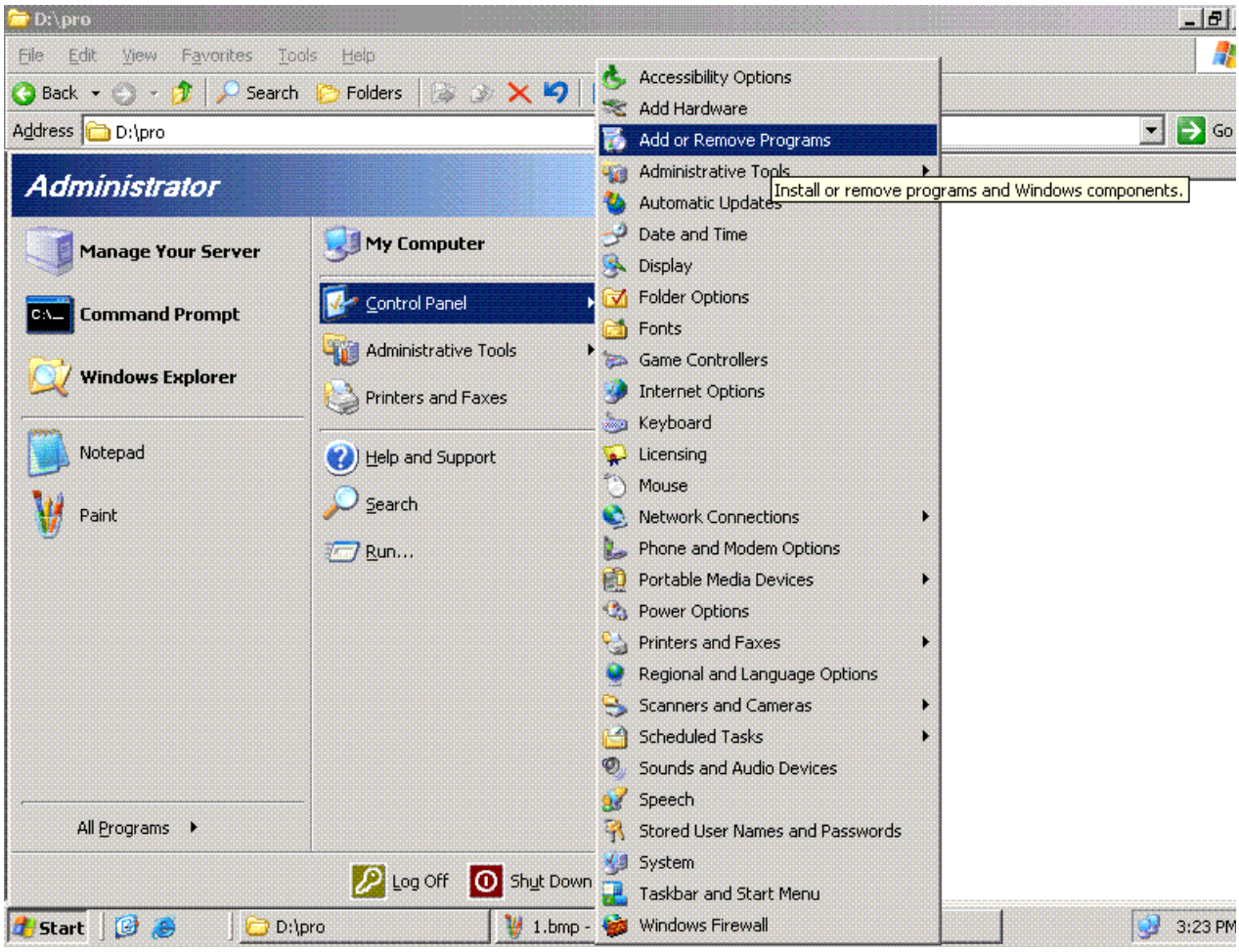
.■NET Framework 2.0

■SQL Program

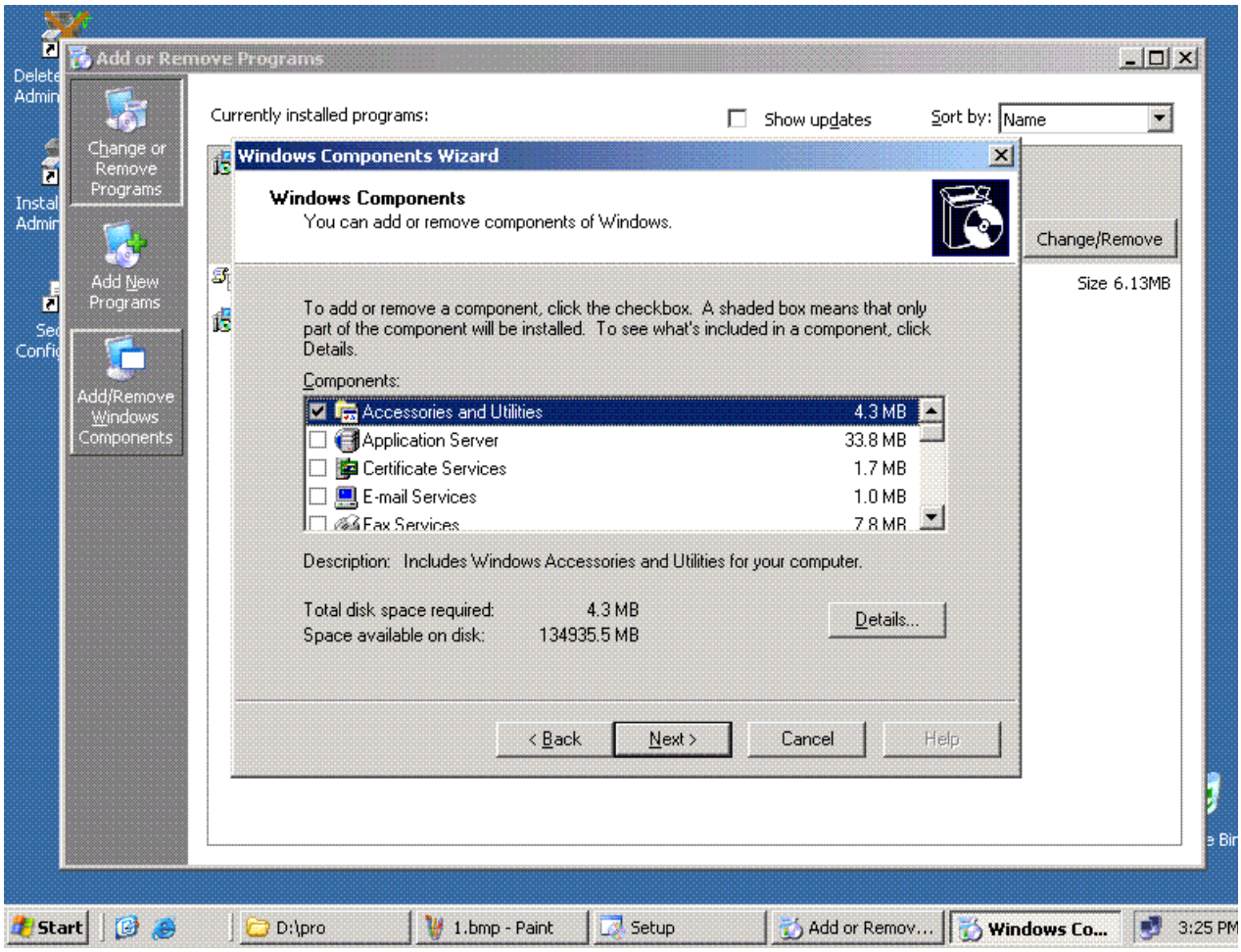
من غير قلق كل الاعدادت ده سهلة ان شاء الله و احنا هنفذ كل هذة الخطوات واحده واحده وبالصور

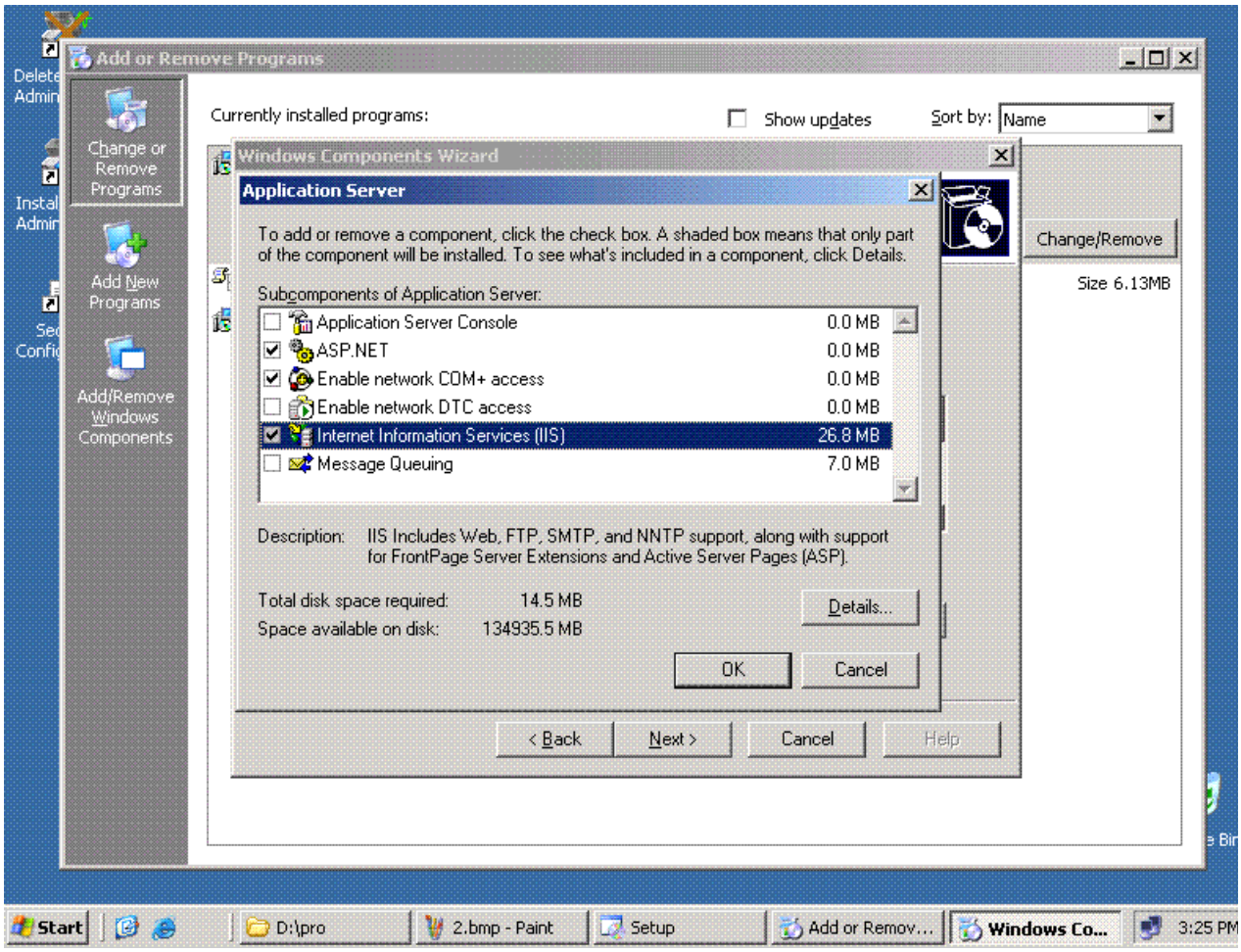
ياله بينا نبداء

■Internet Information Services 6.0



نختارAdd/Remove windows compontes


Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Currently installed programs:
Show updates
Sort by:
Name
Windows Components Wizard
Windows Components
You can add or remove components of Windows.
To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Components:
Accessories and Utilities 4.3 MB
Application Server 33.8 MB
Certificate Services 1.7 MB
E-mail Services 1.0 MB
Fax Services 7.8 MB
Description: Includes Windows Accessories and Utilities for your computer.
Total disk space required: 4.3 MB
Space available on disk: 134935.5 MB
Details...
< Back
Next >
Cancel
Help
Change/Remove
Size 6.13MB
Start
D:\pro
1.bmp - Paint
Setup
Add or Remov...
Windows Co...
3:25 PM

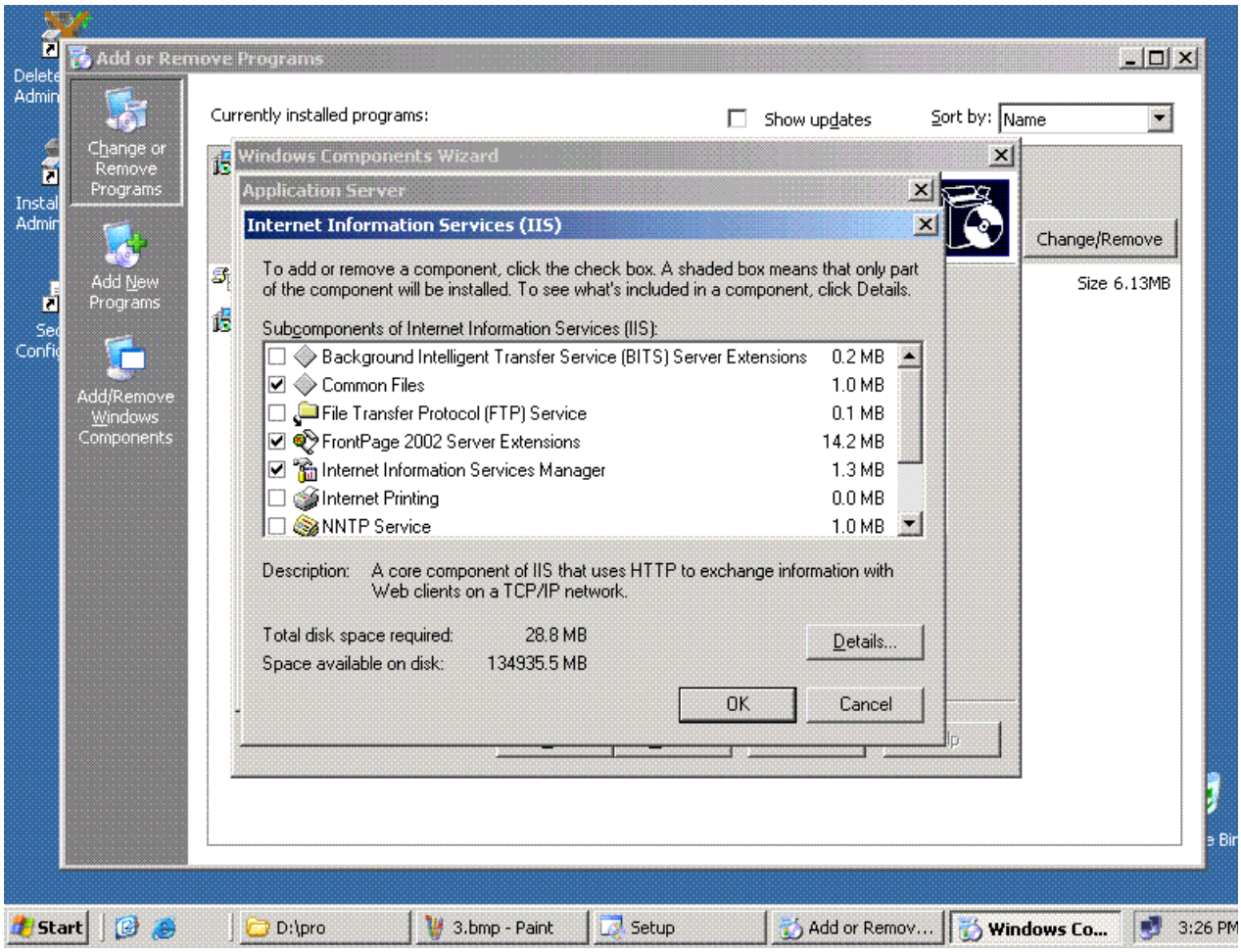


فى هذة الخطوة سوف نقوم بتنزل

■Internet Information Services 6.0

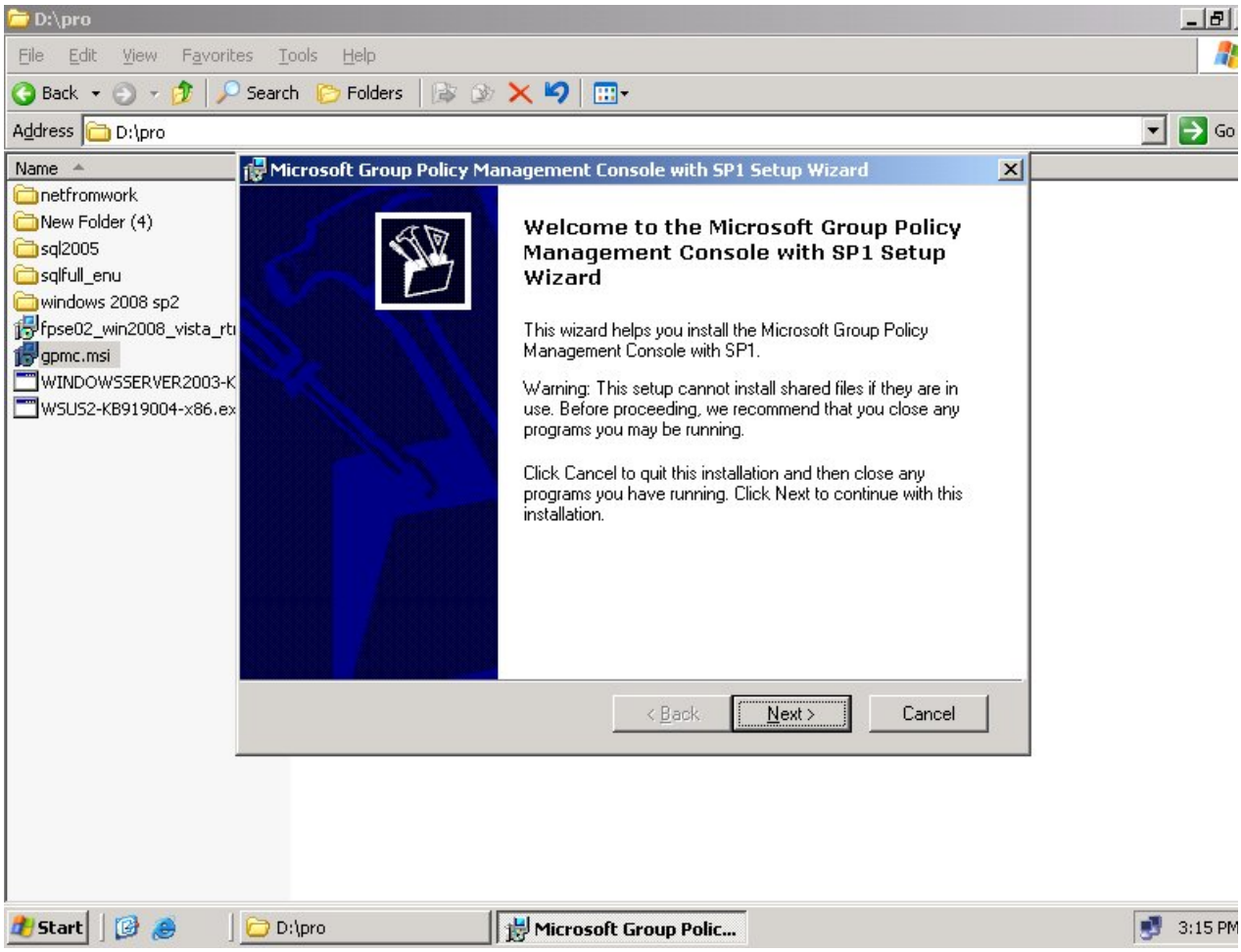
■ASP.NET

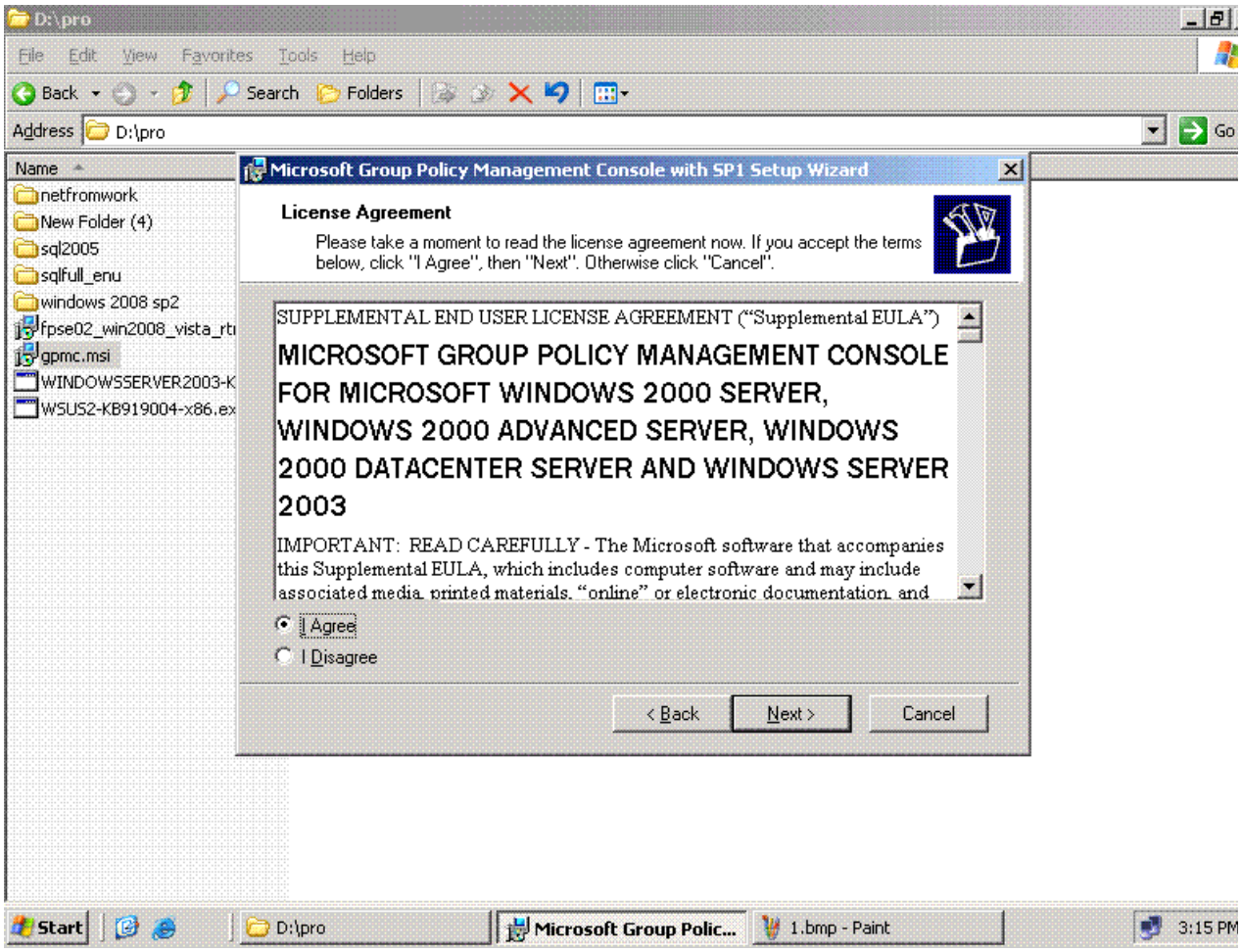
■FrontPage Server Extensions

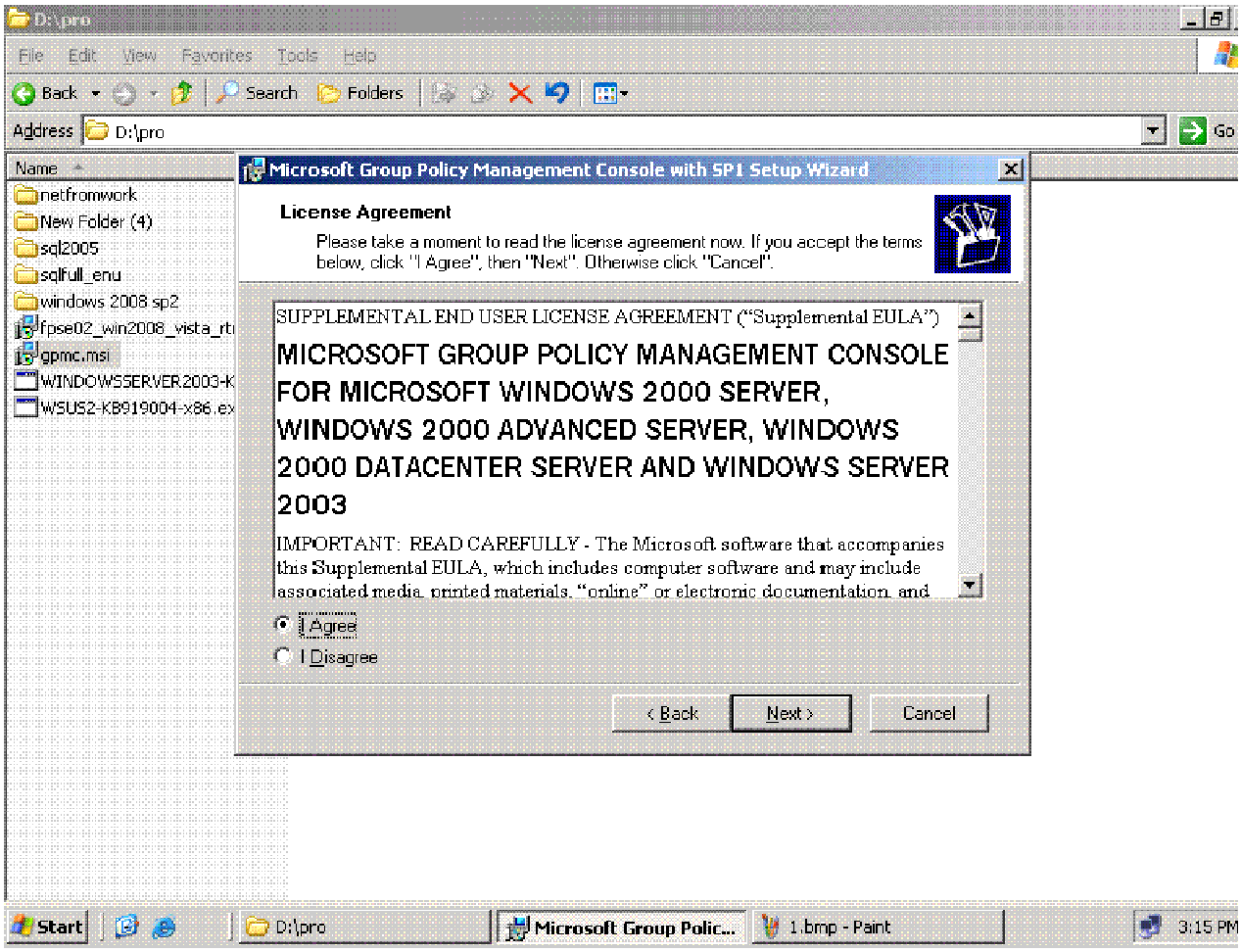


لانه سوف يحتاج على windows 2003 ثم نقوم بوضع اسطوانة next ثم okبعد ذلك نقوم بالضغط على بعض الملفات الموجود بها وهكذا نكون انتهينا من تثبيت الثلاث خدمات الاوله

■GPMC SP1


D:\pro
File Edit View Favorites Tools Help
Back Search Folders
Address D:\pro
Go
Name
netfromwork
New Folder (4)
sql2005
sqlfull_enu
windows 2008 sp2
fpse02_win2008_vista_rtı
gpmc.msi
WINDOWSSERVER2003-K
WSUS2-KB919004-x86.ex
Microsoft Group Policy Management Console with SP1 Setup Wizard
Welcome to the Microsoft Group Policy Management Console with SP1 Setup Wizard
This wizard helps you install the Microsoft Group Policy Management Console with SP1.
Warning: This setup cannot install shared files if they are in use. Before proceeding, we recommend that you close any programs you may be running.
Click Cancel to quit this installation and then close any programs you have running. Click Next to continue with this installation.
< Back
Next >
Cancel
Start
D:\pro
Microsoft Group Polic...
3:15 PM


D:\pro
File Edit View Favorites Tools Help
Back Search Folders
Address D:\pro
Go
Name
netfromwork
New Folder (4)
sql2005
sqlfull_enu
windows 2008 sp2
fpse02_win2008_vista_rtı
gpmc.msi
WINDOWSSERVER2003-K
WSUS2-KB919004-x86.ex
Microsoft Group Policy Management Console with SP1 Setup Wizard
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
I Agree
I Disagree
< Back
Next >
Cancel
Start
D:\pro
Microsoft Group Polic...
1.bmp - Paint
3:15 PM


D:\pro
File Edit View Favorites Tools Help
Back Search Folders
Address D:\pro
Go
Name
netfromwork
New Folder (4)
sql2005
sqlfull_enu
windows 2008 sp2
fpse02_win2008_vista_rtı
gpmc.msi
WINDOWSSERVER2003-K
WSUS2-KB919004-x86.ex
Microsoft Group Policy Management Console with SP1 Setup Wizard
License Agreement
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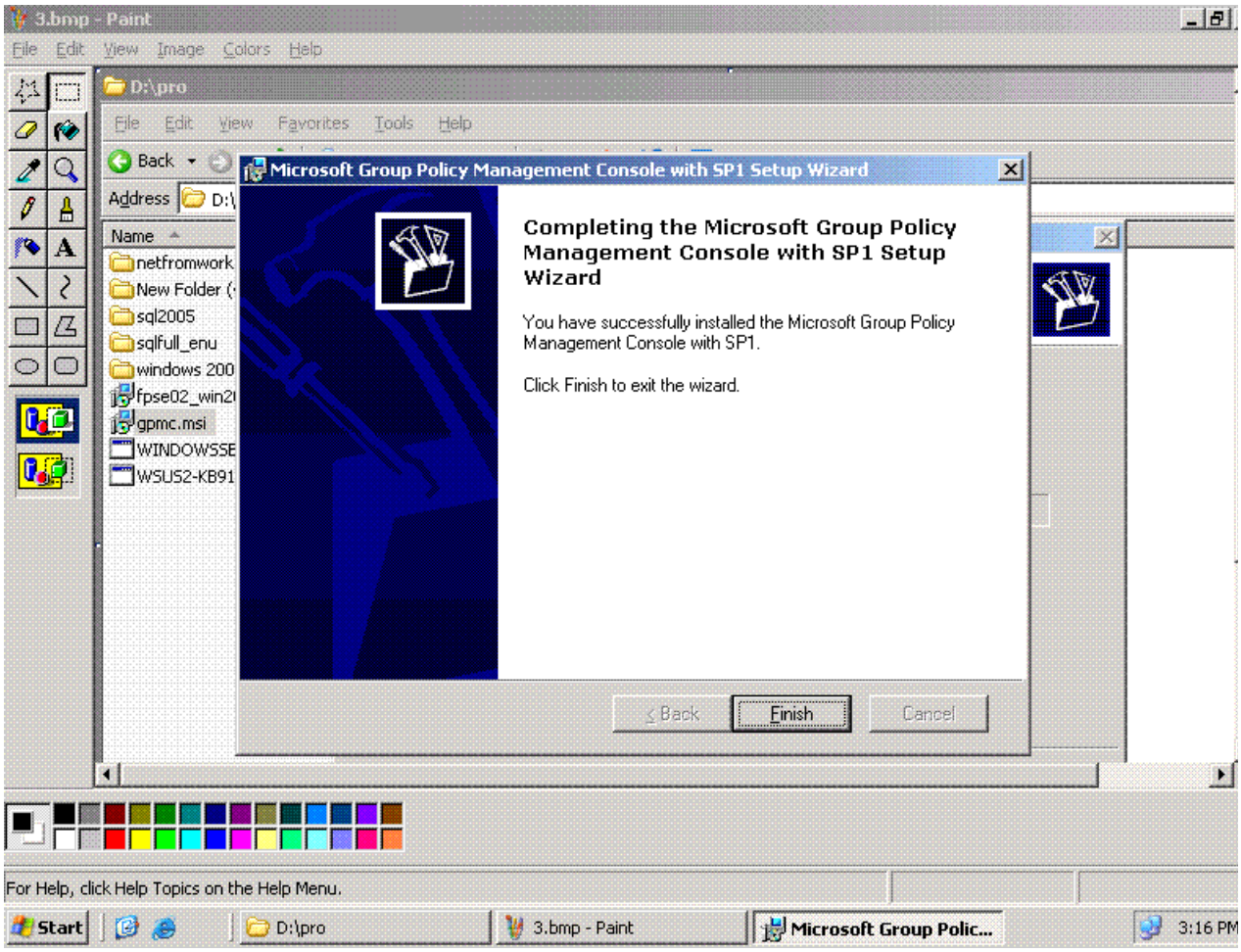
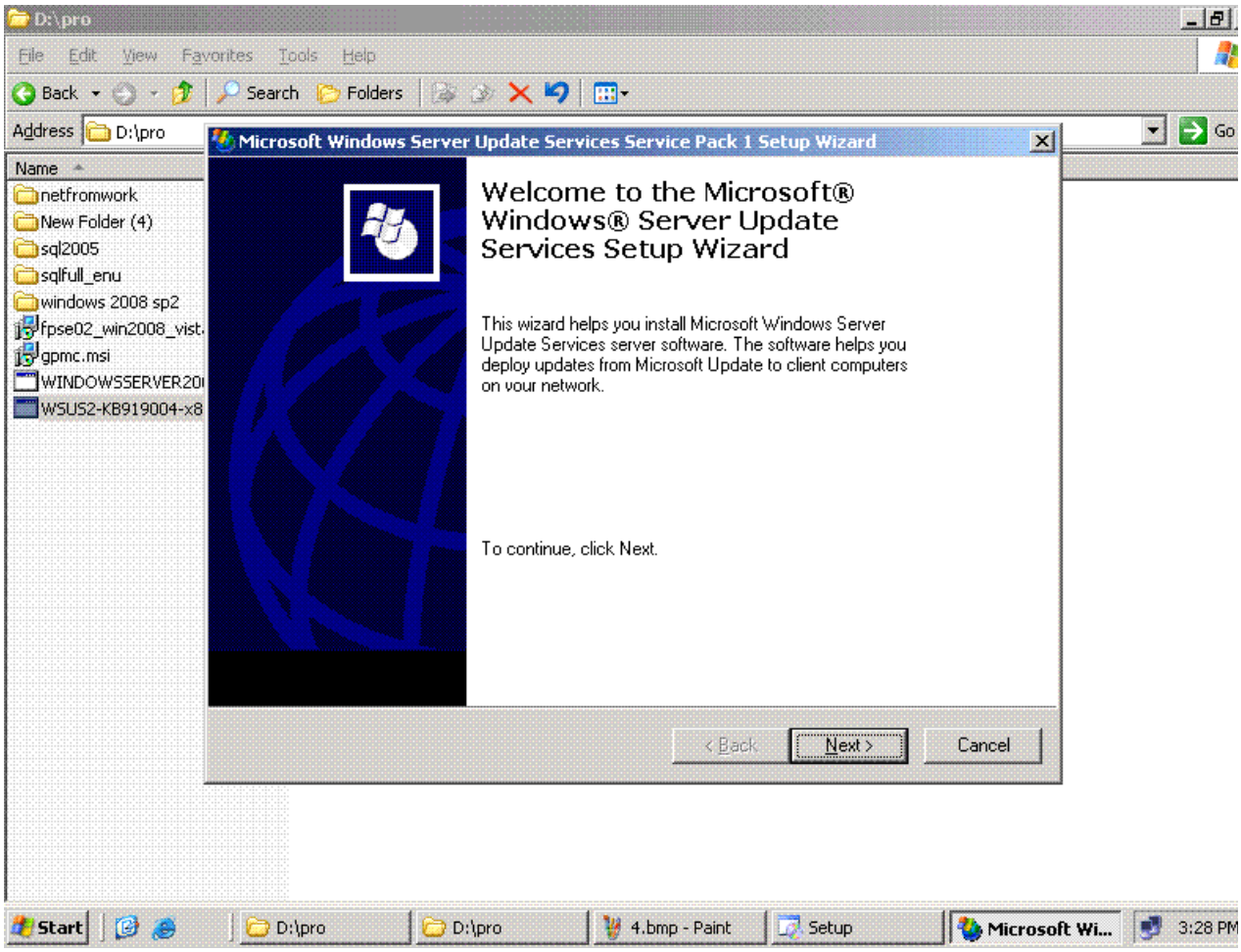
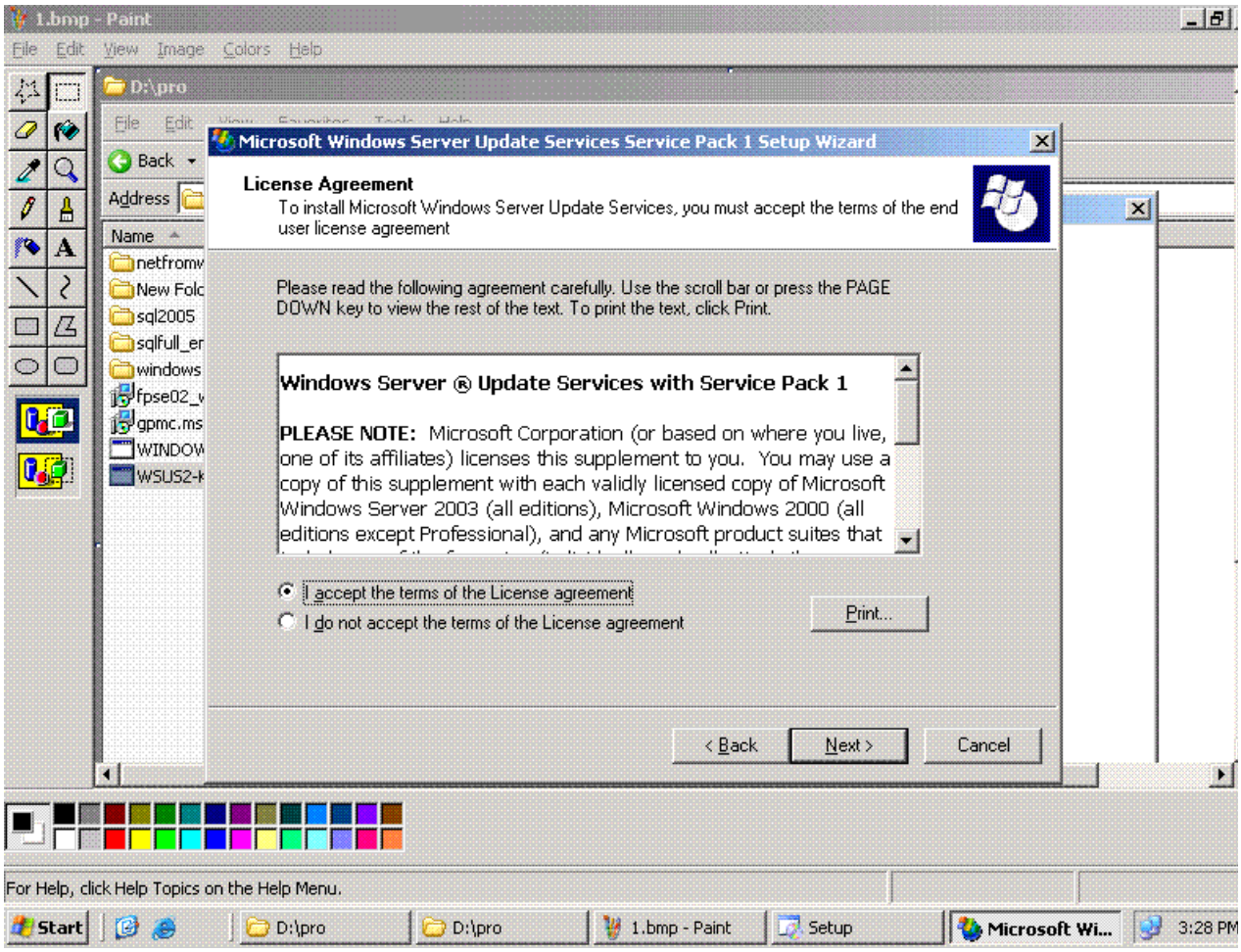
IMPORTANT: READ CAREFULLY - The Microsoft software that accompanies this Supplemental EULA, which includes computer software and may include associated media, printed materials, "online" or electronic documentation, and
I Agree
I Disagree
< Back
Next >
Cancel
Start
D:\pro
Microsoft Group Polic...
1.bmp - Paint
3:15 PM

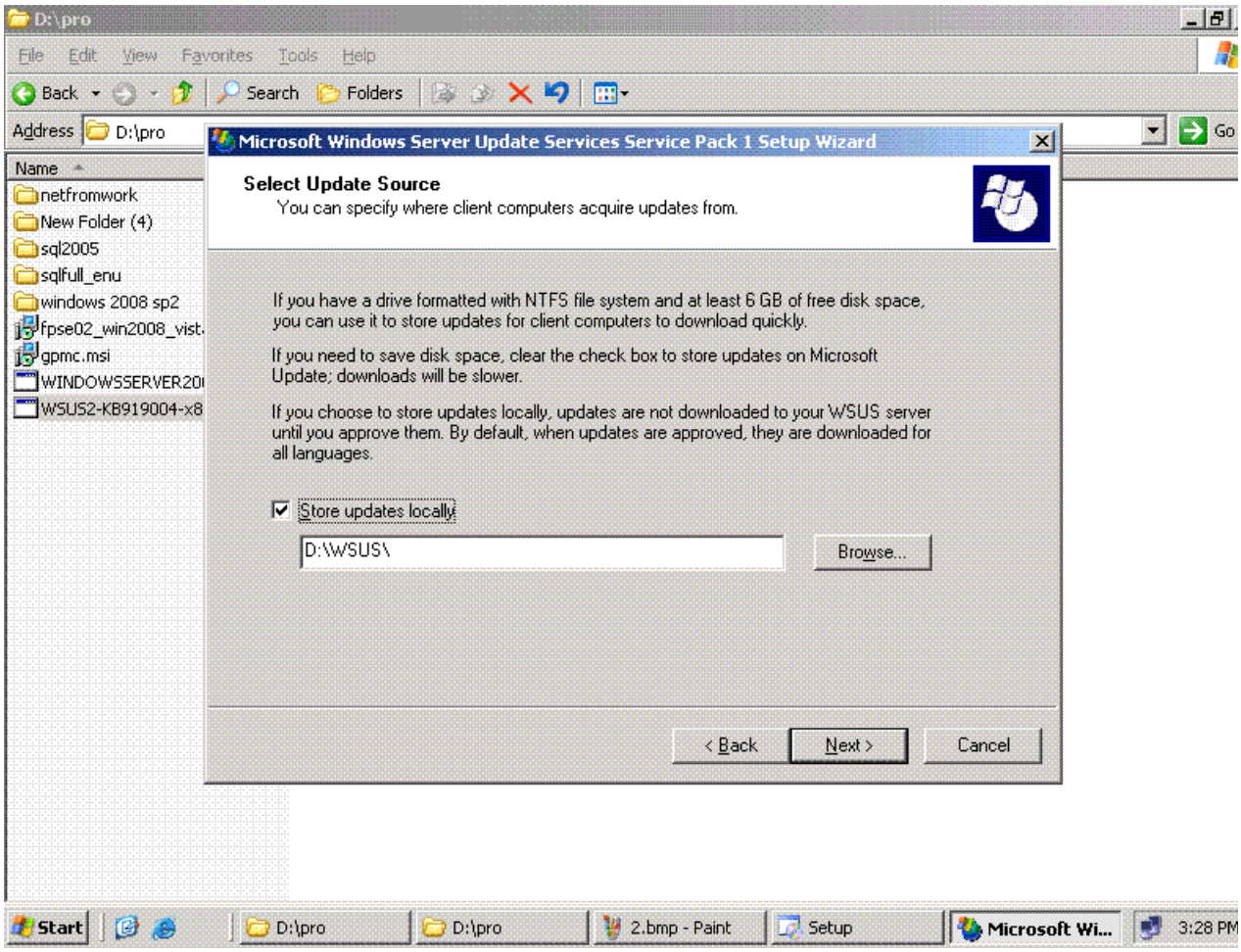

3.bmp - Paint
File Edit View Image Colors Help
D:\pro
File Edit View Favorites Tools Help
Back
Address D:\
Name
netfromwork
New Folder (
sql2005
sqlfull_enu
windows 200
fpse02_win2
gpmc.msi
WINDOWSSE
WSUS2-KB91
Microsoft Group Policy Management Console with SP1 Setup Wizard
Completing the Microsoft Group Policy Management Console with SP1 Setup Wizard
You have successfully installed the Microsoft Group Policy Management Console with SP1.
Click Finish to exit the wizard.
< Back
Finish
Cancel
For Help, click Help Topics on the Help Menu.
Start
D:\pro
3.bmp - Paint
Microsoft Group Polic...
3:16 PM

■WSUS 3.0

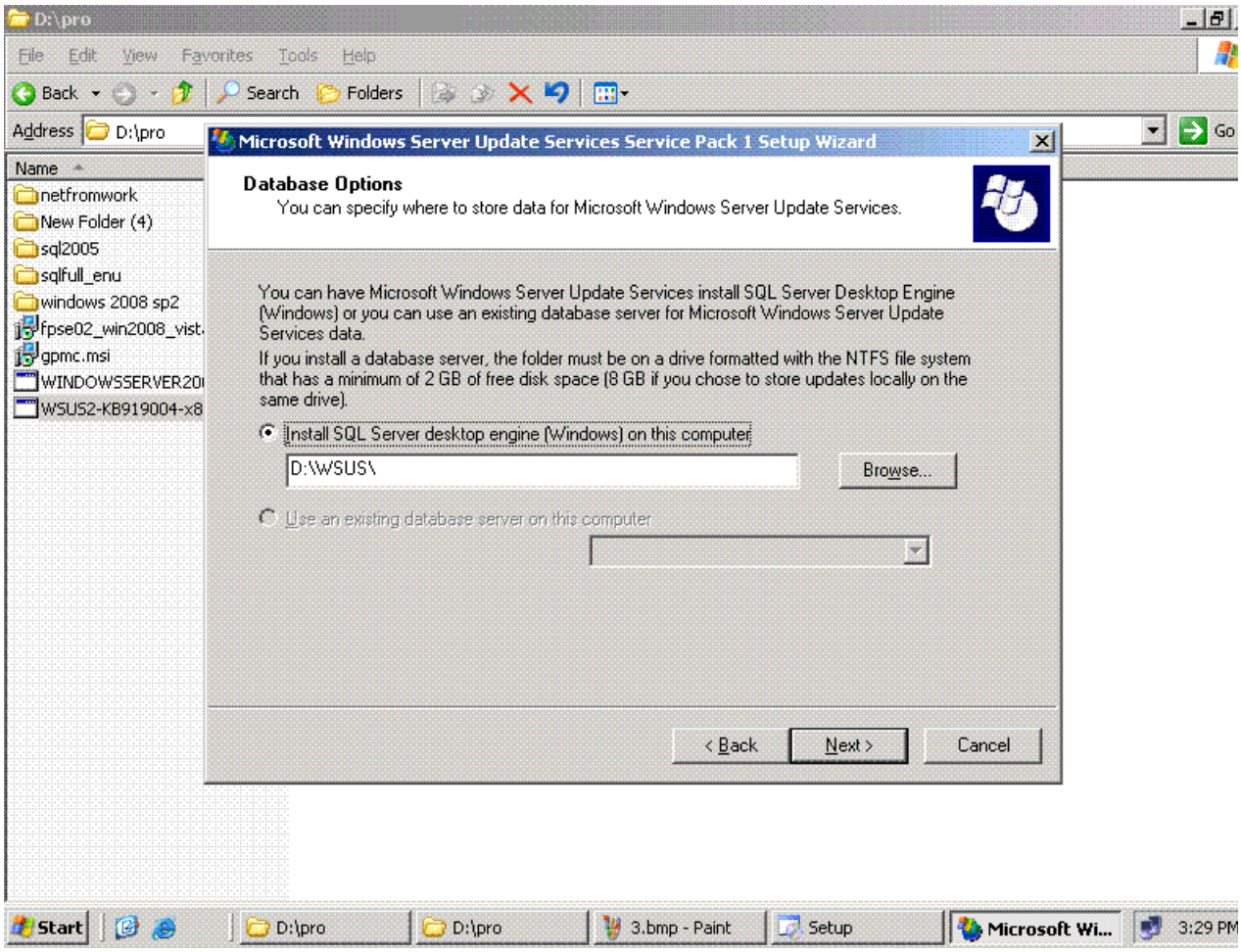

D:\pro
File Edit View Favorites Tools Help
Back Search Folders
Address D:\pro
Go
Name
netfromwork
New Folder (4)
sql2005
sqlfull_enu
windows 2008 sp2
fpse02_win2008_vist
gpmc.msi
WINDOWSSERVER20
WSUS2-KB919004-x8
Microsoft Windows Server Update Services Service Pack 1 Setup Wizard
Welcome to the Microsoft® Windows® Server Update Services Setup Wizard
This wizard helps you install Microsoft Windows Server Update Services server software. The software helps you deploy updates from Microsoft Update to client computers on your network.
To continue, click Next.
< Back
Next >
Cancel
Start
D:\pro
D:\pro
4.bmp - Paint
Setup
Microsoft Wi...
3:28 PM



التى سوف يقوم update بكل wsusهذة المرحلة هى المرحله التى نحدد فيها مكان الذى سوف يحتفظ ولابد من وجود مساحة ٦ جيجا forefront updateبتحميلها من على الانترنت لتوزيعها على الاجهزة ومنها ntfsعلى الاقل ويجب ان يكون البرتيشن

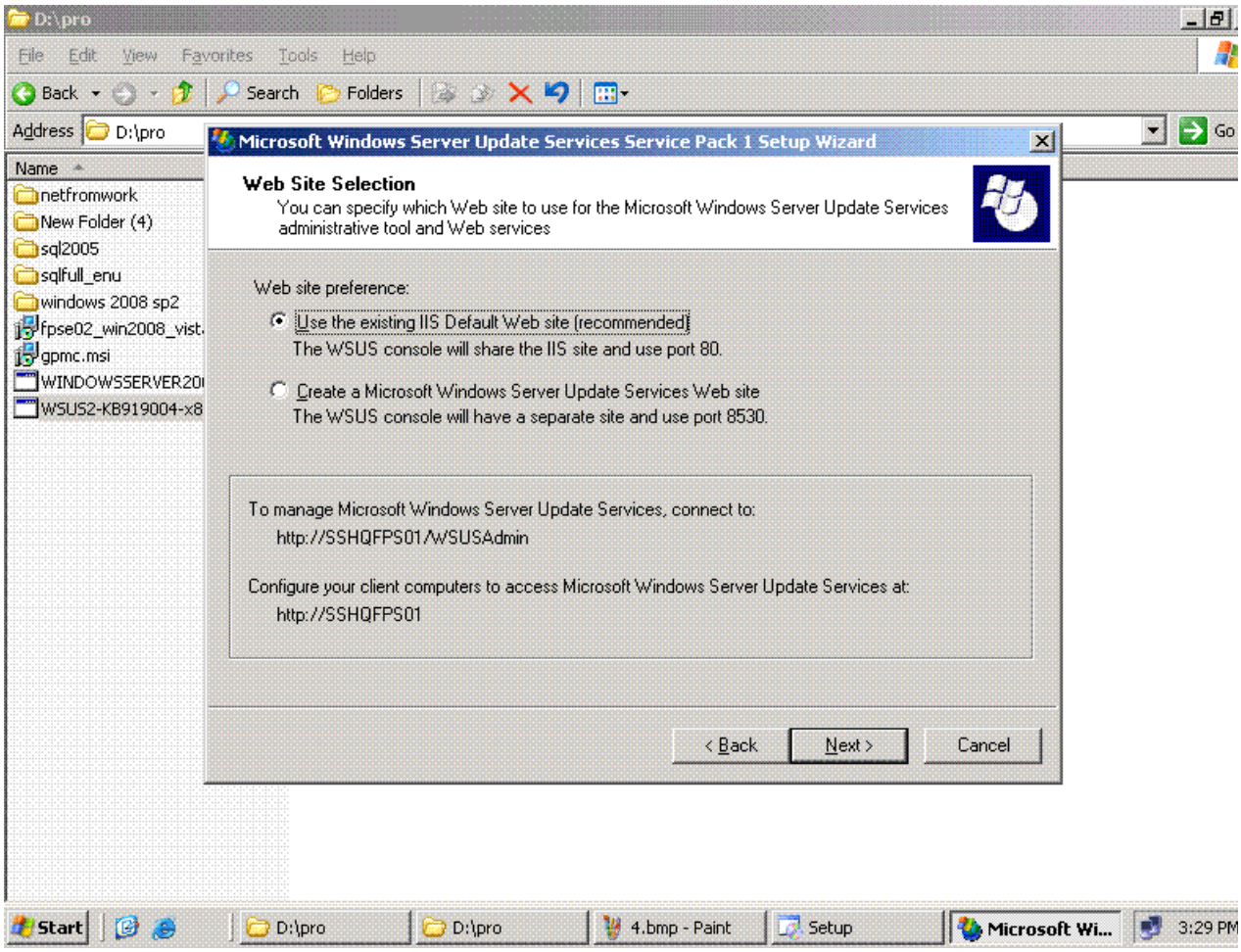


Nextنقوم بتحديد المساروالضغط على



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

Next ويجب ان تتوفر مساحة من ٢ جيجا فارغة نتركها كما هى ونضغط



يسالك انت wsus وفى هذة المرحلة iis يقوم بعمل صفحة ويب فى wsusهذه النقطة وهى ان كما نعلم ان

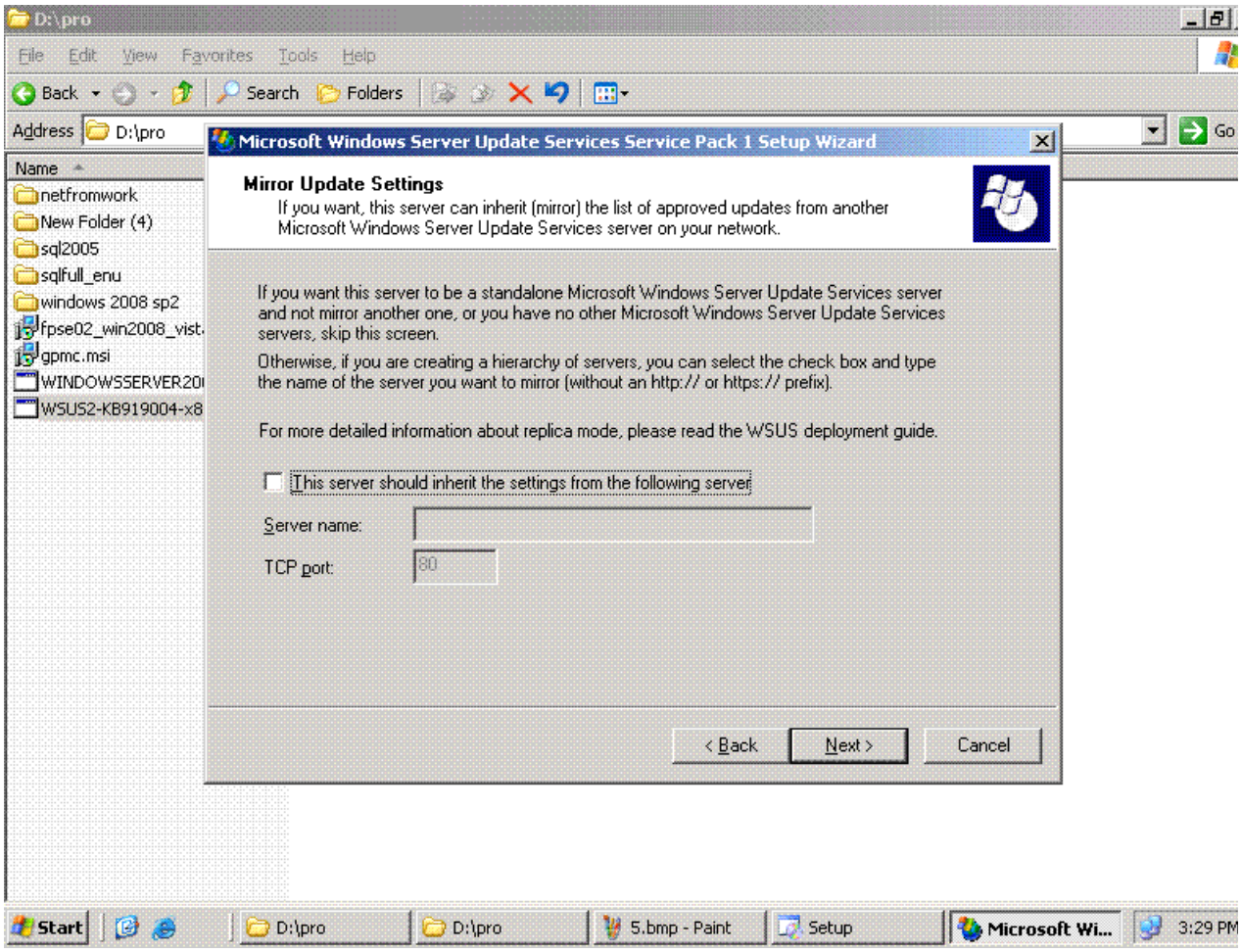
تشتغل على البورت الاساسى ولا هتشتغل على بورت جديد

ملحوظه هام جدا

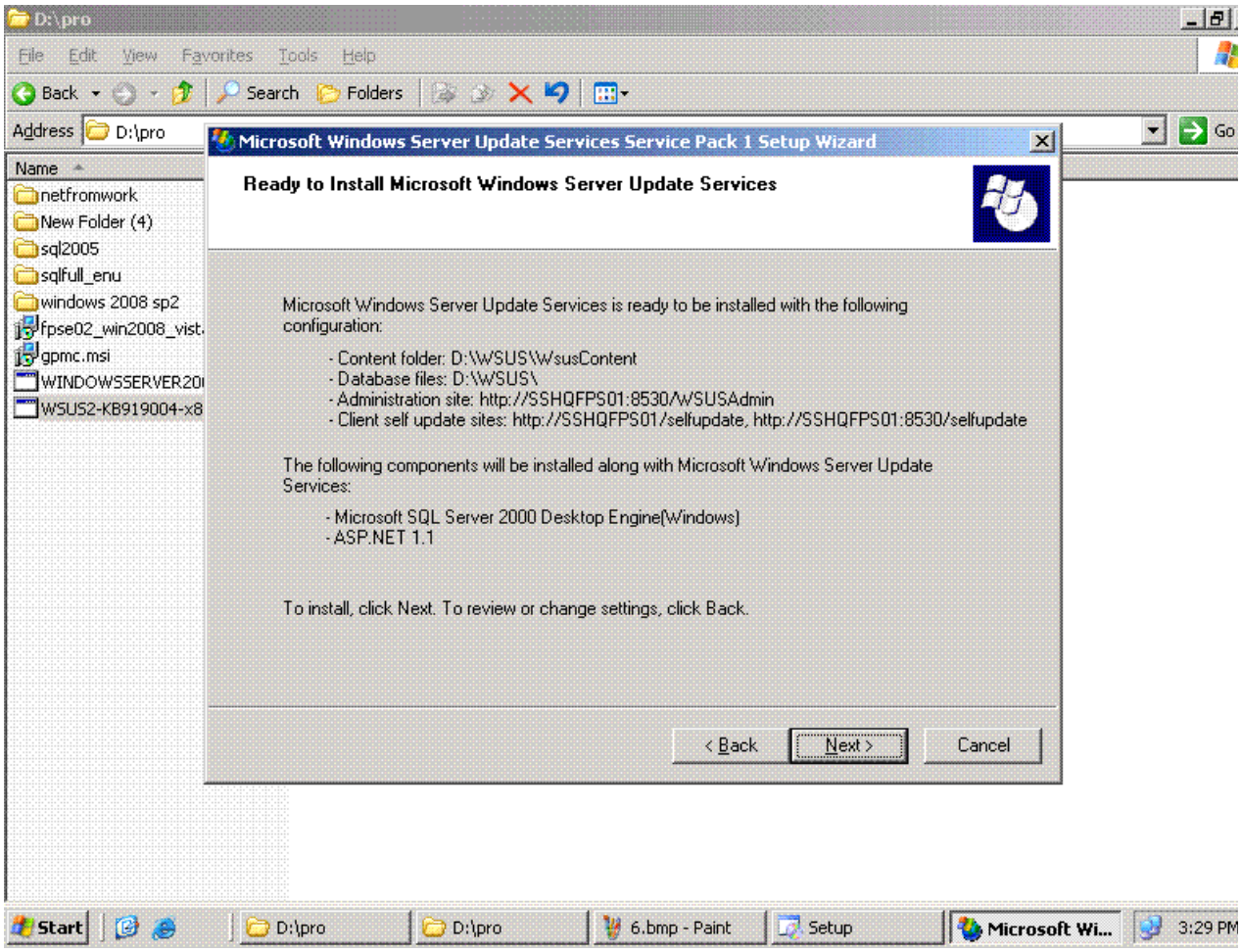
exchange فى owaاذا كان لديك اى برنامج اخر يتستخدم البورت ٨٠ مثل

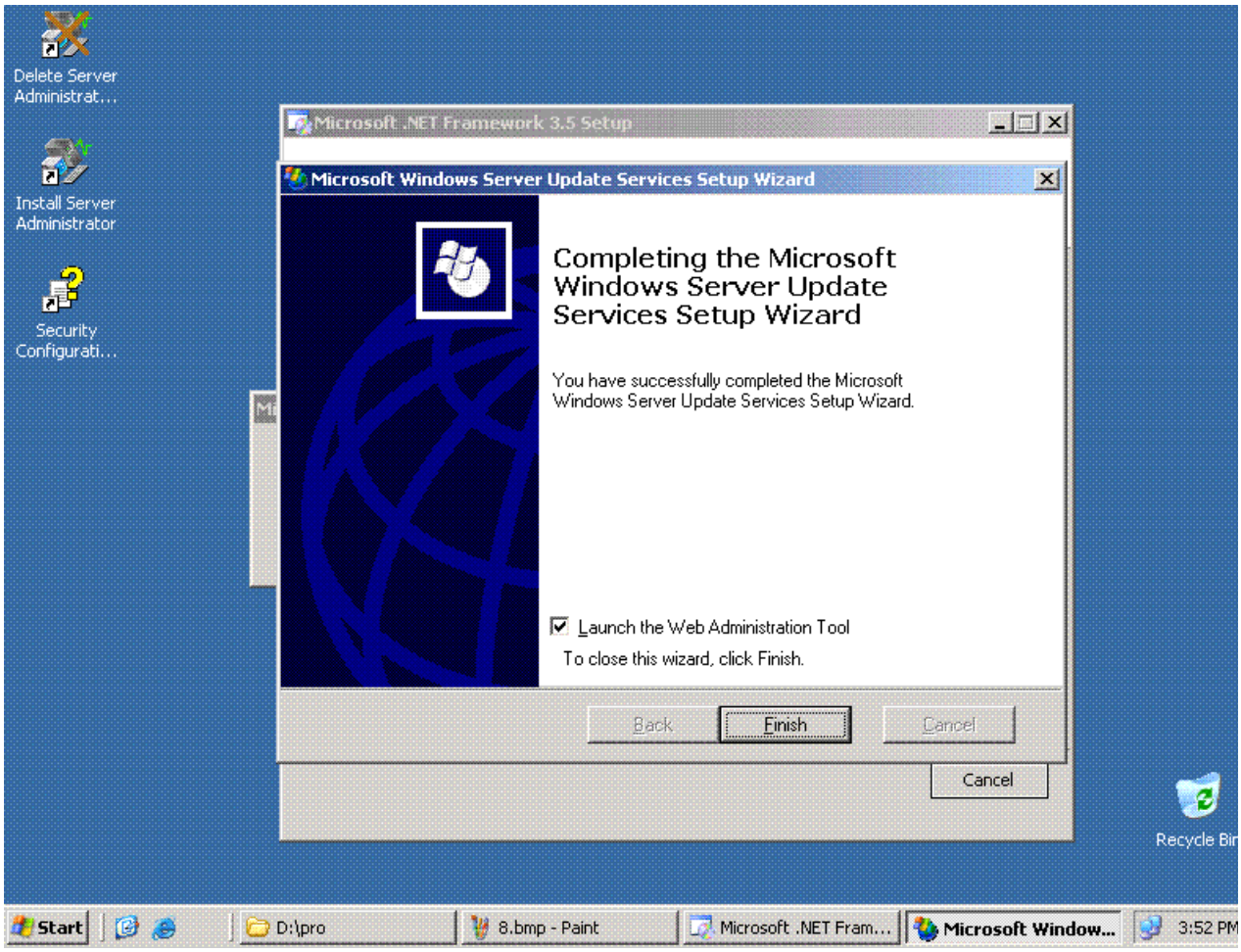
فلابد من اختيار الاختيار الثانى لتجنب حدوث مشاكل

Nextثم نقوم بالضغط


D:\pro
File Edit View Favorites Tools Help
Back Search Folders
Address D:\pro
Go
Name
netfromwork
New Folder (4)
sql2005
sqlfull_enu
windows 2008 sp2
fpse02_win2008_vist
gpmc.msi
WINDOWSSERVER20
WSUS2-KB919004-x8
Microsoft Windows Server Update Services Service Pack 1 Setup Wizard
Mirror Update Settings
If you want, this server can inherit (mirror) the list of approved updates from another Microsoft Windows Server Update Services server on your network.
If you want this server to be a standalone Microsoft Windows Server Update Services server and not mirror another one, or you have no other Microsoft Windows Server Update Services servers, skip this screen.
Otherwise, if you are creating a hierarchy of servers, you can select the check box and type the name of the server you want to mirror (without an http:// or https:// prefix).
For more detailed information about replica mode, please read the WSUS deployment guide.
This server should inherit the settings from the following server
Server name:
TCP port:
80
< Back
Next >
Cancel
Start
D:\pro
D:\pro
5.bmp - Paint
Setup
Microsoft Wi...
3:29 PM

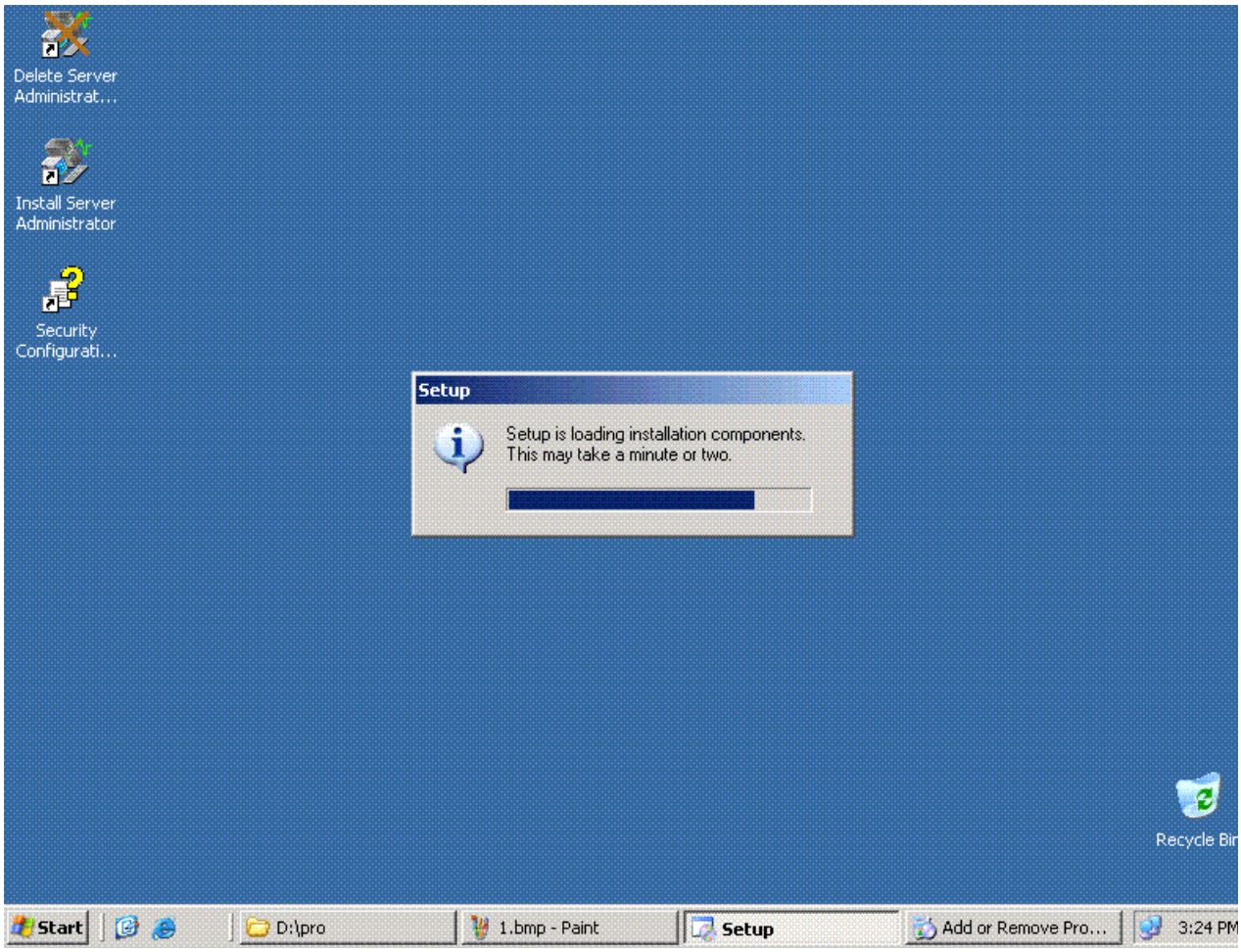
نضغط**next**

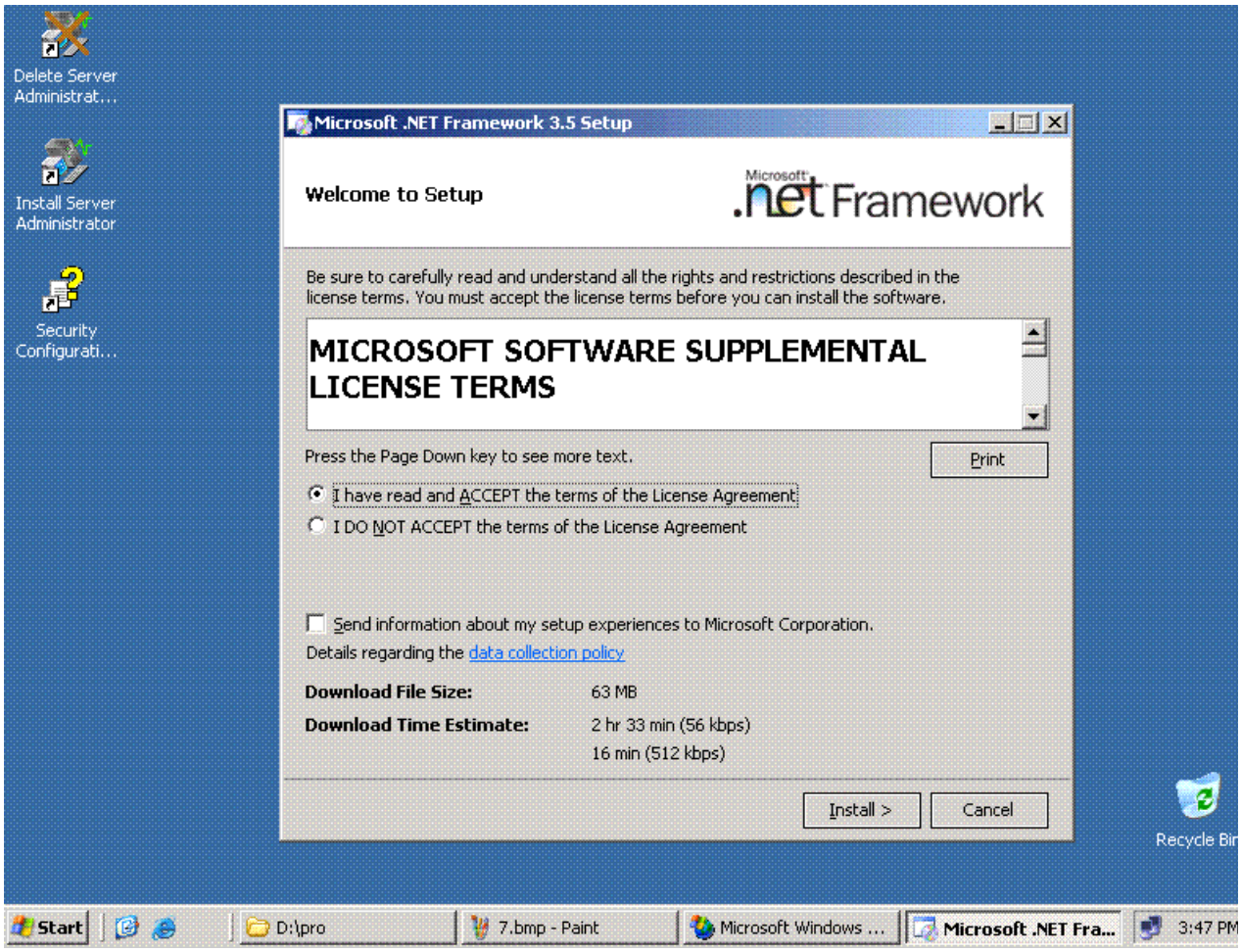

D:\pro
File Edit View Favorites Tools Help
Back Search Folders
Address D:\pro
Go
Name
netfromwork
New Folder (4)
sql2005
sqlfull_enu
windows 2008 sp2
fpse02_win2008_vist
gpmc.msi
WINDOWSSERVER20
WSUS2-KB919004-x8
Microsoft Windows Server Update Services Service Pack 1 Setup Wizard
Ready to Install Microsoft Windows Server Update Services
Microsoft Windows Server Update Services is ready to be installed with the following configuration:
- Content folder: D:\WSUS\WsusContent
- Database files: D:\WSUS\
- Administration site: http://SSHQFPS01:8530/WSUSAdmin
- Client self update sites: http://SSHQFPS01/selfupdate, http://SSHQFPS01:8530/selfupdate
The following components will be installed along with Microsoft Windows Server Update Services:
- Microsoft SQL Server 2000 Desktop Engine(Windows)
- ASP.NET 1.1
To install, click Next. To review or change settings, click Back.
< Back
Next >
Cancel
Start
D:\pro
D:\pro
6.bmp - Paint
Setup
Microsoft Wi...
3:29 PM

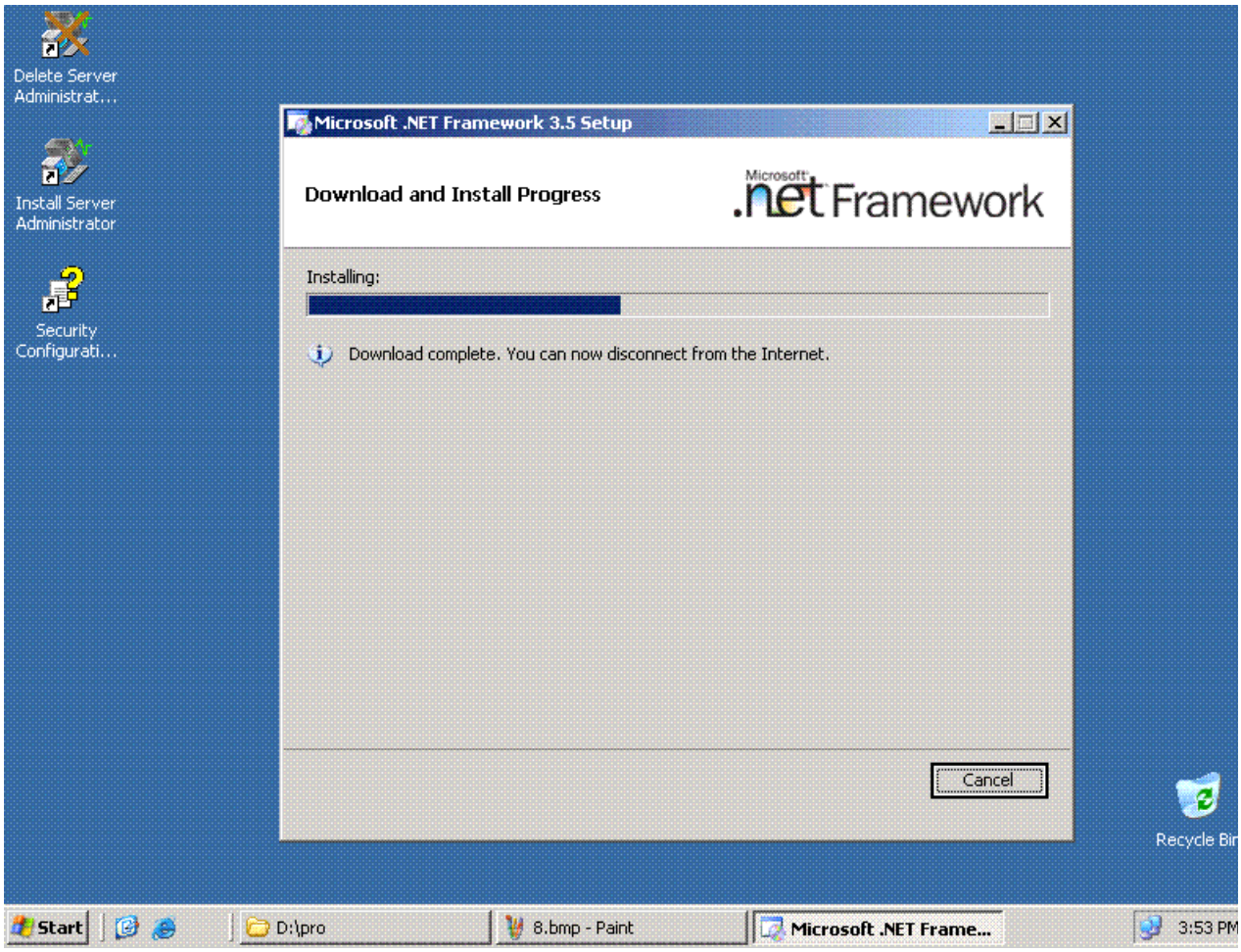


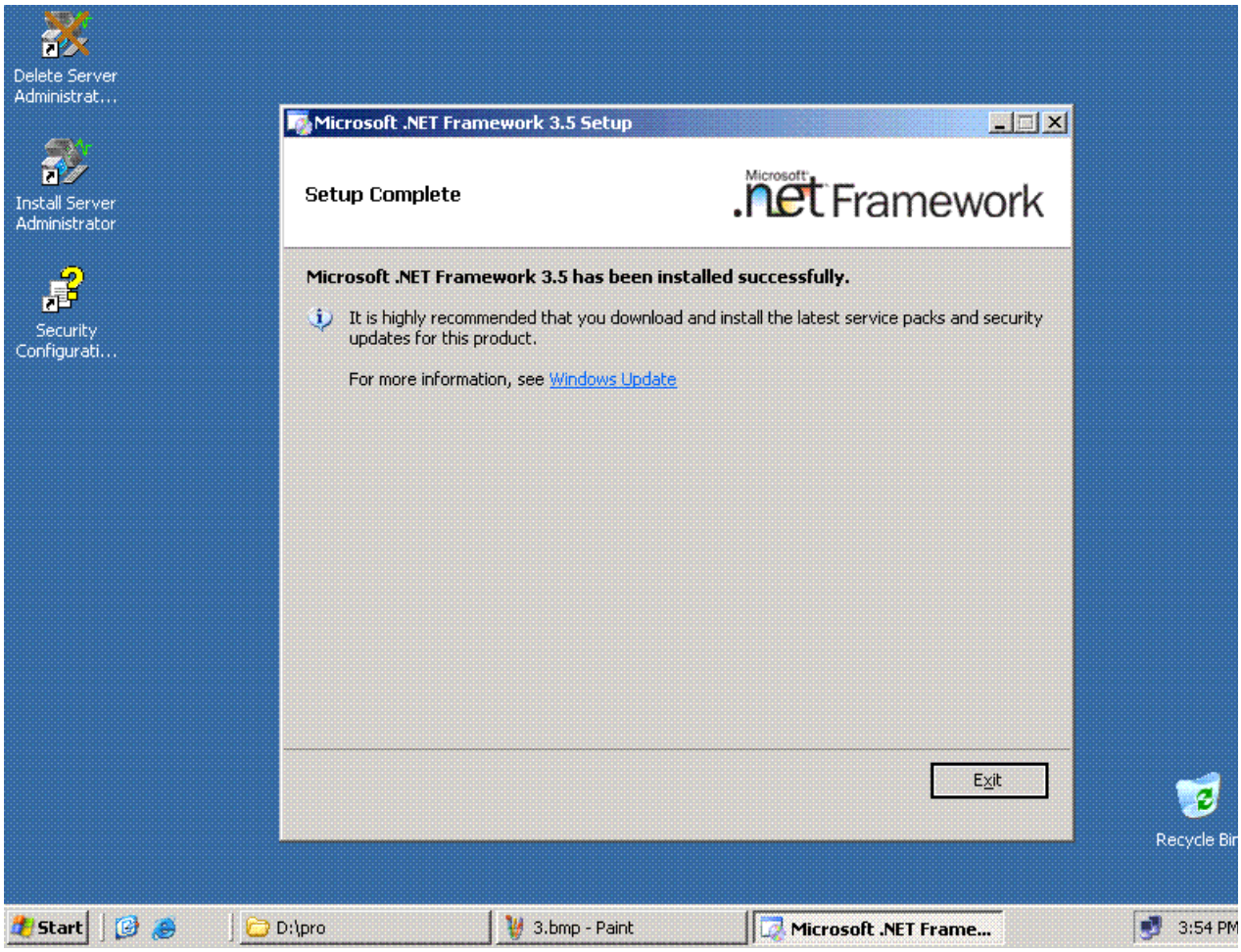
وتعمل wsus بس فى نقطة مهمه جدا هى ان لازم تدخل على wsusهكذا نكون انتهينا من تحميل Setup فى علمية Forefront لانه يقوم بتحميل ملف يحتاجة Synchronize

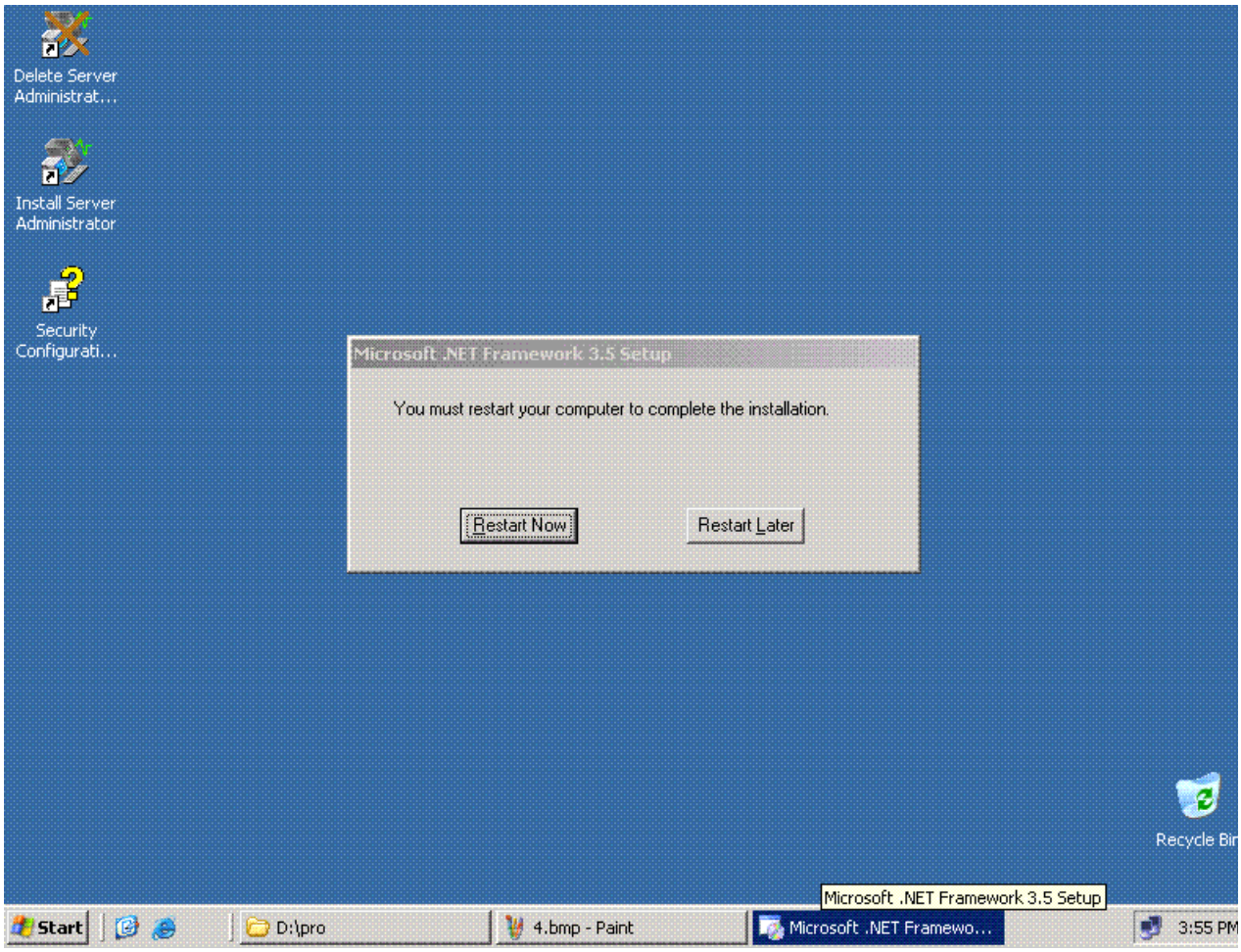
.■NET Framework 2.0


Delete Server Administrat...
Install Server Administrator
Security Configurati...
Setup
Setup is loading installation components.
This may take a minute or two.
Recycle Bin
Start
D:\pro
1.bmp - Paint
Setup
Add or Remove Pro...
3:24 PM


Delete Server Administrat...
Install Server Administrator
Security Configurati...
Microsoft .NET Framework 3.5 Setup
Welcome to Setup
Microsoft .net Framework
Be sure to carefully read and understand all the rights and restrictions described in the license terms. You must accept the license terms before you can install the software.
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS
Press the Page Down key to see more text.
Print
I have read and ACCEPT the terms of the License Agreement
I DO NOT ACCEPT the terms of the License Agreement
Send information about my setup experiences to Microsoft Corporation.
Details regarding the data collection policy
Download File Size: 63 MB
Download Time Estimate: 2 hr 33 min (56 kbps)
16 min (512 kbps)
Install >
Cancel
Recycle Bin
Start
D:\pro
7.bmp - Paint
Microsoft Windows ...
Microsoft .NET Fra...
3:47 PM


Delete Server Administrat...
Install Server Administrator
Security Configurati...
Microsoft .NET Framework 3.5 Setup
Download and Install Progress
Microsoft .net Framework
Installing:
Download complete. You can now disconnect from the Internet.
Cancel
Recycle Bin
Start
D:\pro
8.bmp - Paint
Microsoft .NET Frame...
3:53 PM

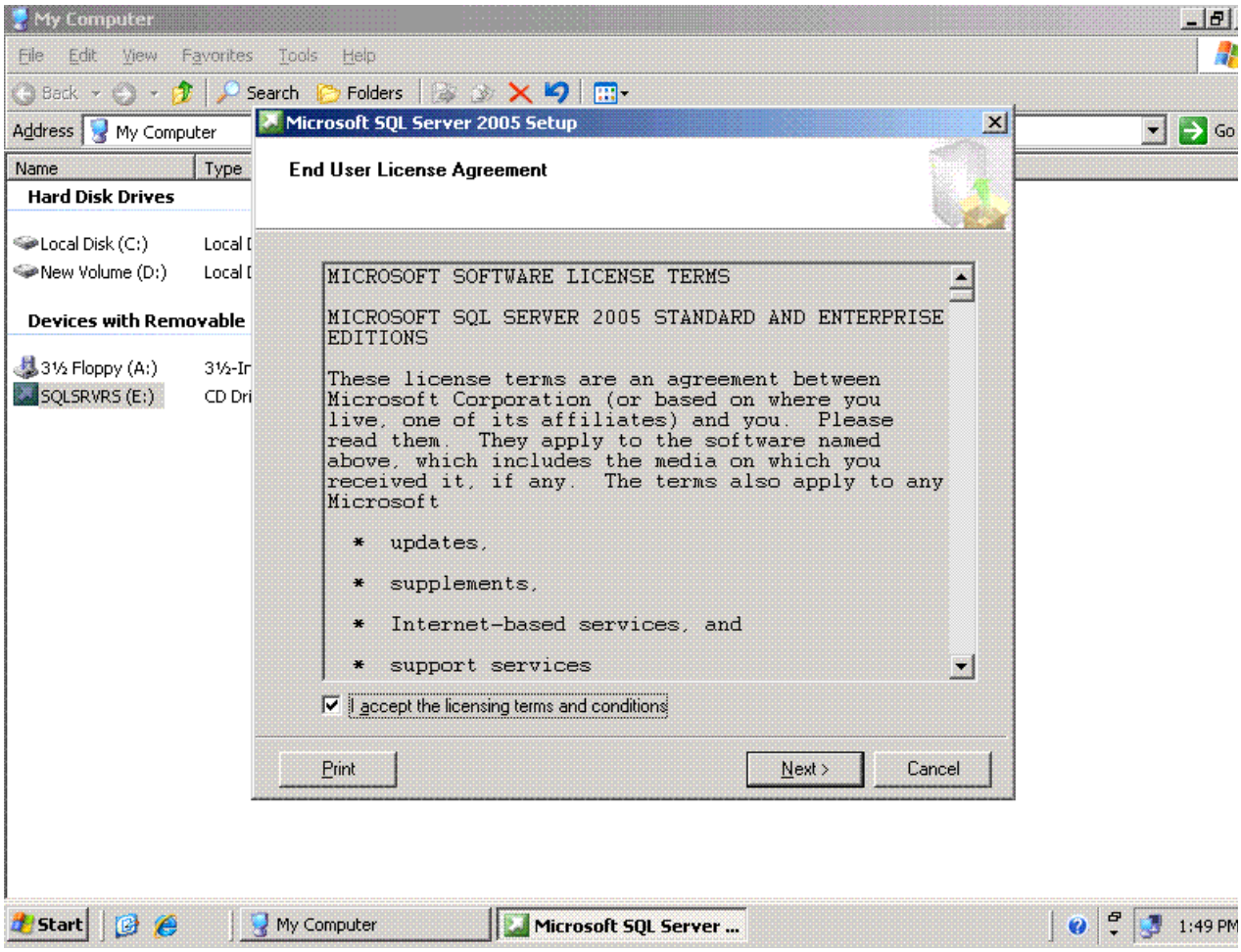

Delete Server Administrat...
Install Server Administrator
Security Configurati...
Microsoft .NET Framework 3.5 Setup
Setup Complete
Microsoft .net Framework
Microsoft .NET Framework 3.5 has been installed successfully.
It is highly recommended that you download and install the latest service packs and security updates for this product.
For more information, see Windows Update
Exit
Recycle Bin
Start
D:\pro
3.bmp - Paint
Microsoft .NET Frame...
3:54 PM

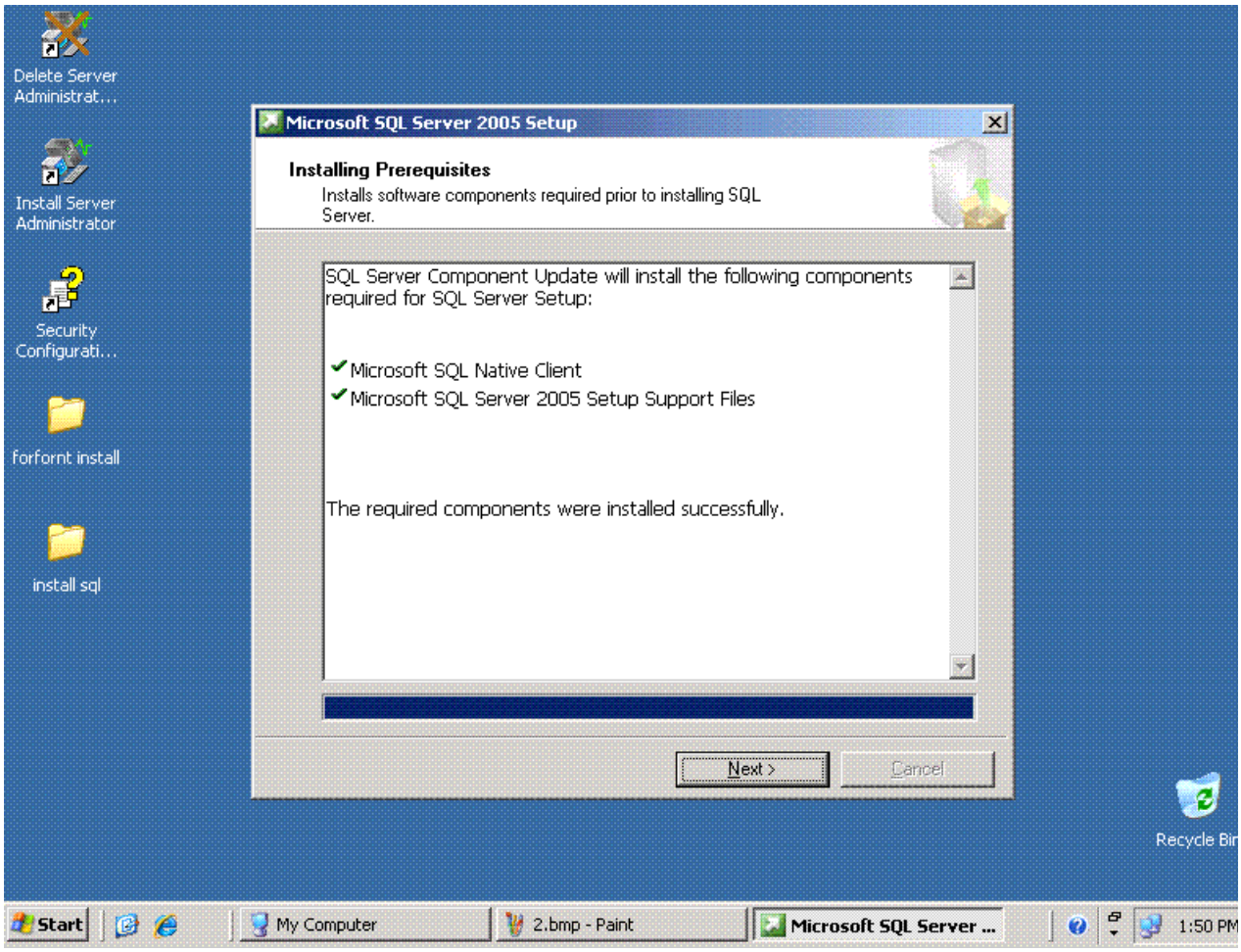


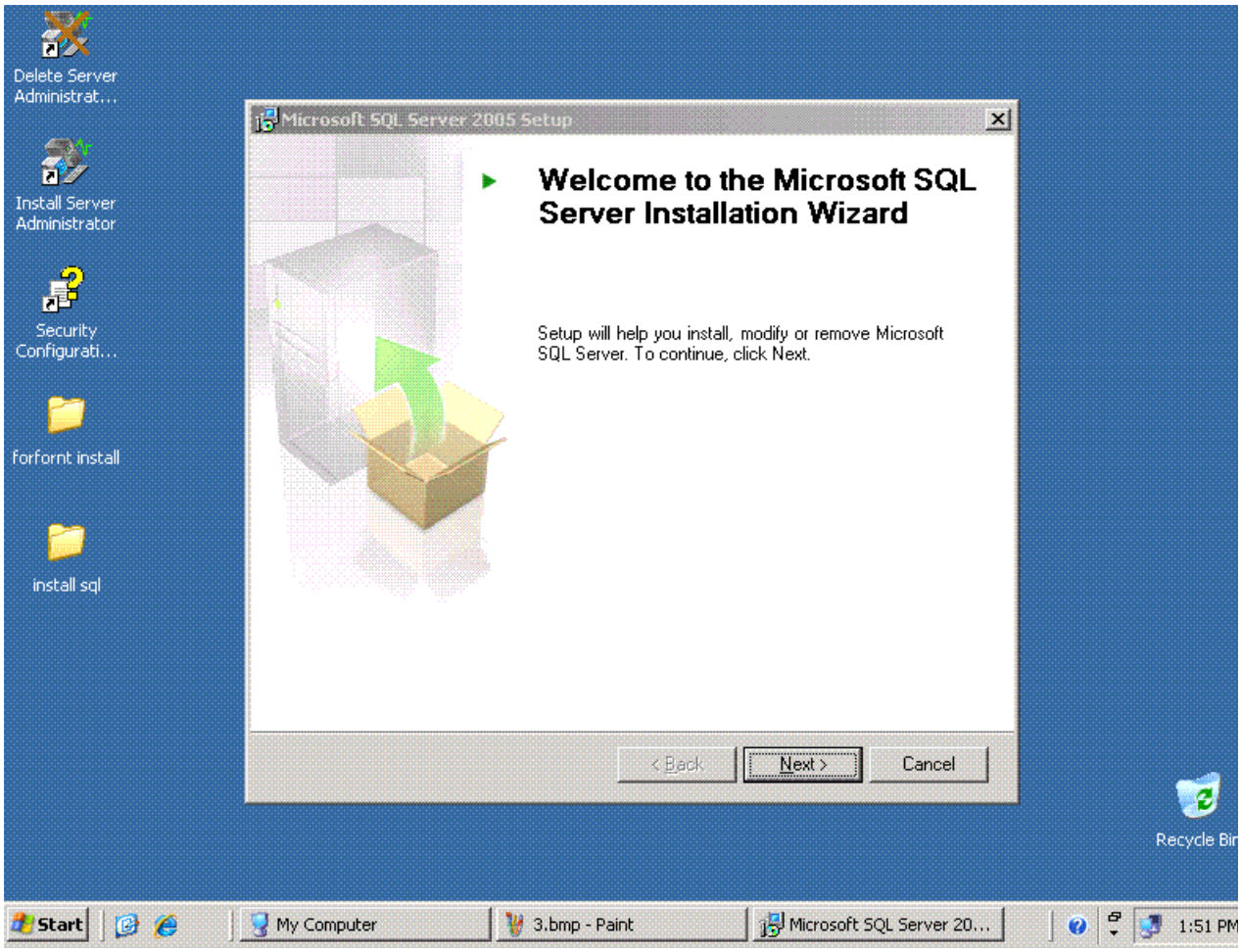
عشان نرجع نكمل باقى الاعدادتRestartنقوم بعمل

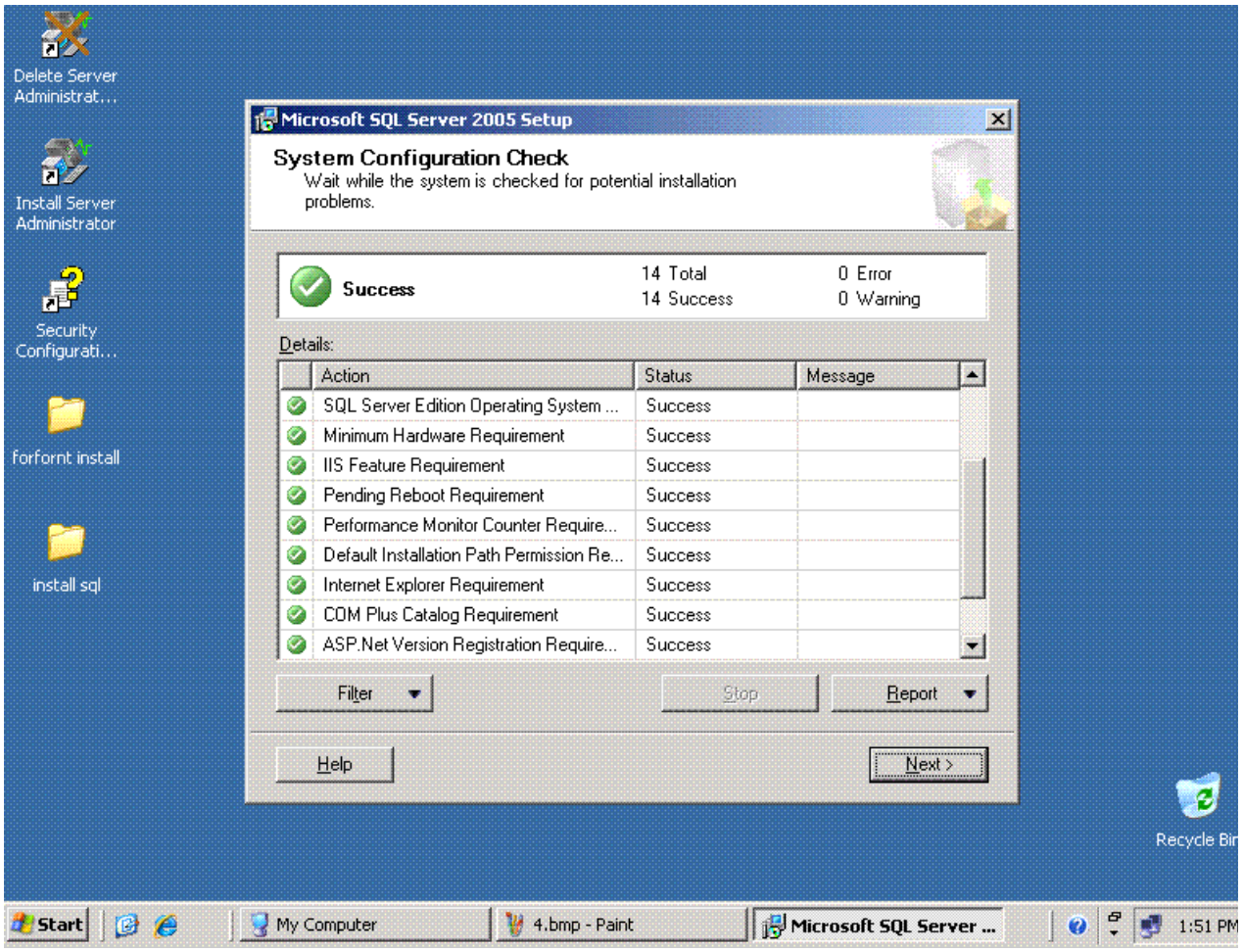
SQL لبرنامج الجميل Setupياله بينا نعمل

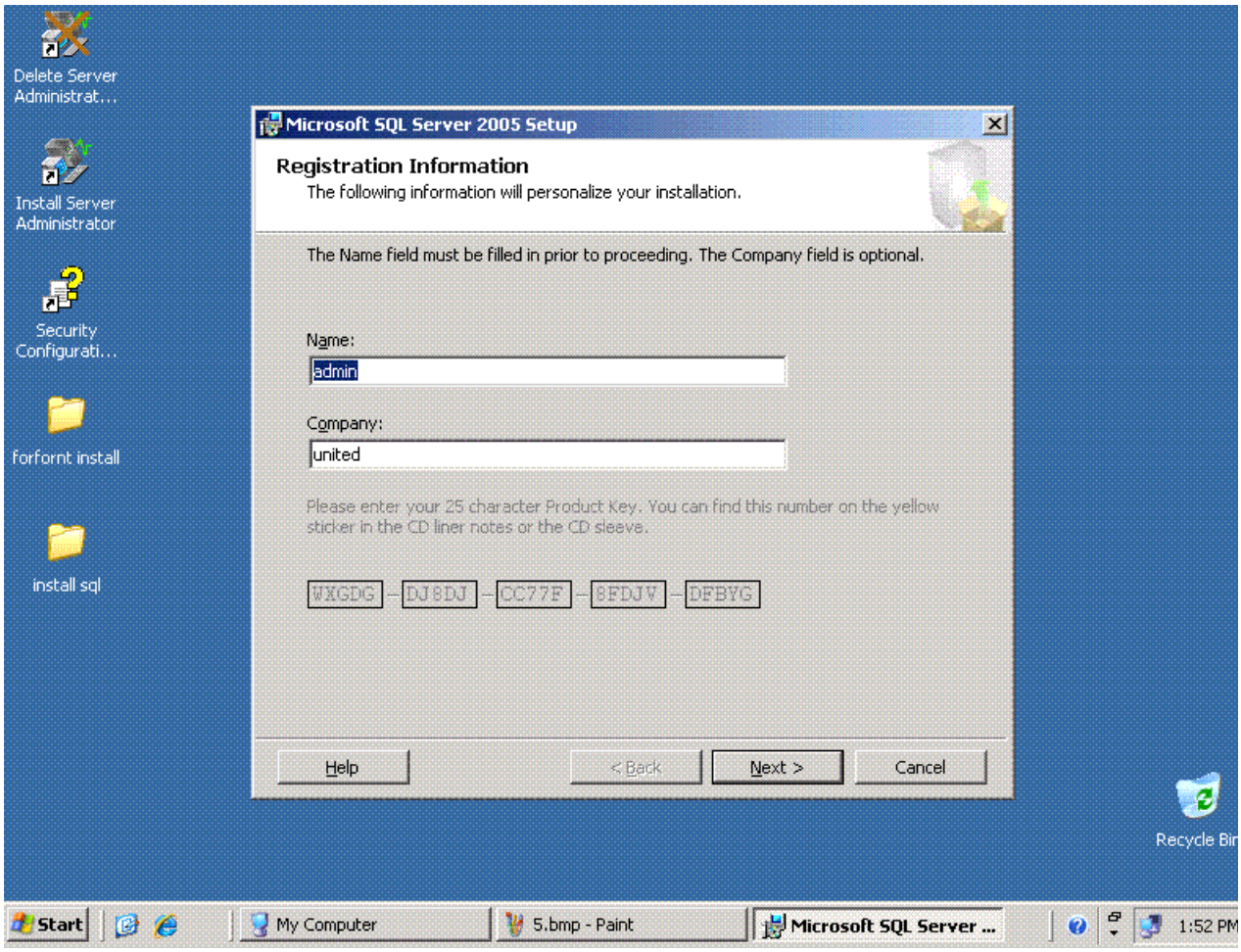
Setupنقوم بعمل

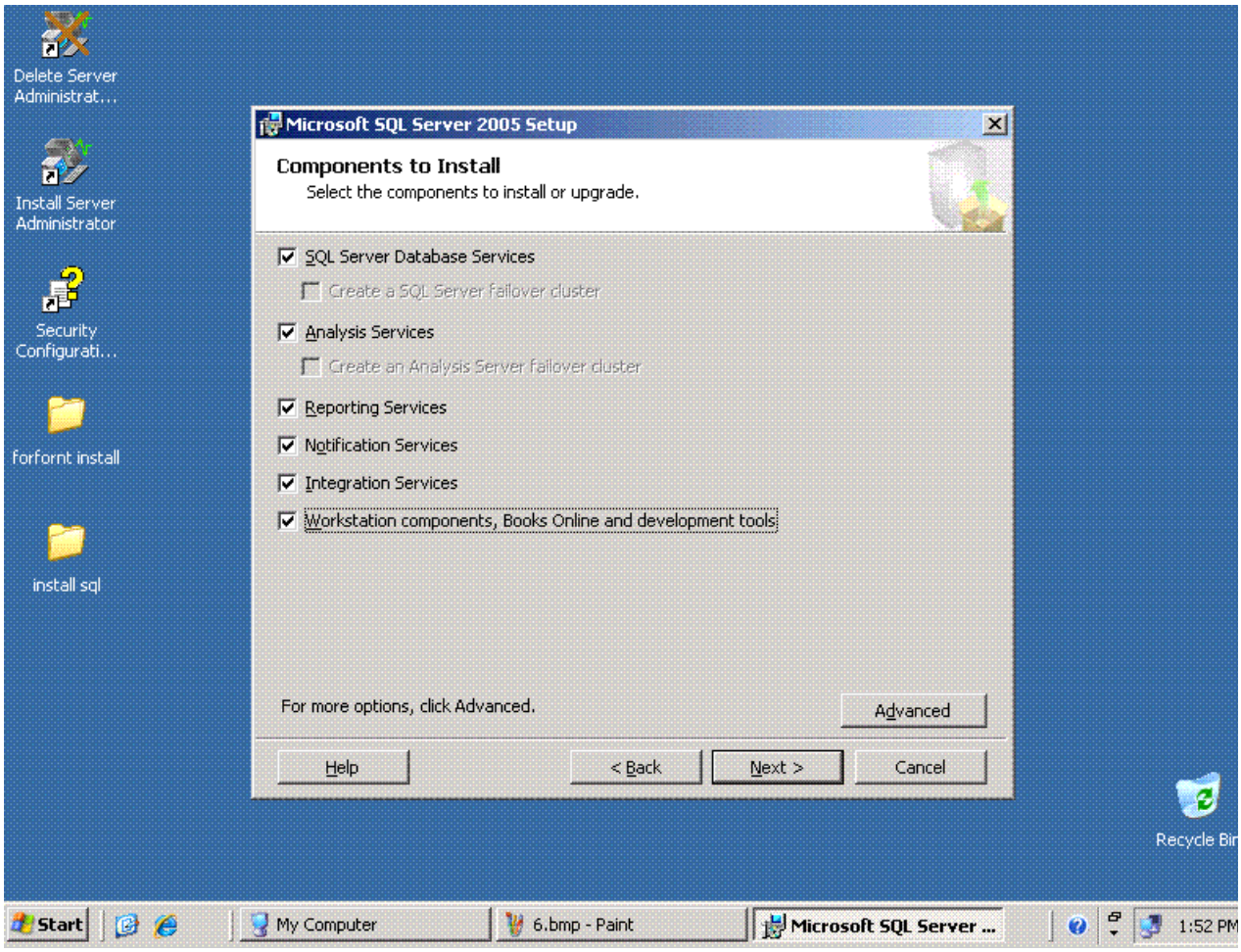

My Computer
File Edit View Favorites Tools Help
Back Search Folders
Address My Computer
Go
Name Type
Hard Disk Drives
Local Disk (C:) Local D
New Volume (D:) Local D
Devices with Removable
3½ Floppy (A:) 3½-In
SQLSRVRS (E:) CD Dri
Microsoft SQL Server 2005 Setup
End User License Agreement
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT SQL SERVER 2005 STANDARD AND ENTERPRISE EDITIONS
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
I accept the licensing terms and conditions
Print
Next >
Cancel
Start
My Computer
Microsoft SQL Server ...
1:49 PM


Delete Server Administrat...
Install Server Administrator
Security Configurati...
forfornt install
install sql
Microsoft SQL Server 2005 Setup
Installing Prerequisites
Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup:
Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files
The required components were installed successfully.
Next >
Cancel
Recycle Bin
Start
My Computer
2.bmp - Paint
Microsoft SQL Server ...
1:50 PM


Delete Server Administrat...
Install Server Administrator
Security Configurati...
forfornt install
install sql
Microsoft SQL Server 2005 Setup
Welcome to the Microsoft SQL Server Installation Wizard
Setup will help you install, modify or remove Microsoft SQL Server. To continue, click Next.
< Back
Next >
Cancel
Recycle Bin
Start
My Computer
3.bmp - Paint
Microsoft SQL Server 20...
1:51 PM


Delete Server Administrat...
Install Server Administrator
Security Configurati...
forfornt install
install sql
Microsoft SQL Server 2005 Setup
System Configuration Check
Wait while the system is checked for potential installation problems.
Success
14 Total
14 Success
0 Error
0 Warning
Details:
Action
Status
Message
SQL Server Edition Operating System ...
Success
Minimum Hardware Requirement
Success
IIS Feature Requirement
Success
Pending Reboot Requirement
Success
Performance Monitor Counter Require...
Success
Default Installation Path Permission Re...
Success
Internet Explorer Requirement
Success
COM Plus Catalog Requirement
Success
ASP.Net Version Registration Require...
Success
Filter
Stop
Report
Help
Next >
Recycle Bin
Start
My Computer
4.bmp - Paint
Microsoft SQL Server ...
1:51 PM


Delete Server Administrat...
Install Server Administrator
Security Configurati...
forfornt install
install sql
Microsoft SQL Server 2005 Setup
Registration Information
The following information will personalize your installation.
The Name field must be filled in prior to proceeding. The Company field is optional.
Name:
admin
Company:
united
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.
WXGDG - DJ8DJ - CC77F - 8FDJW - DFBYG
Help
< Back
Next >
Cancel
Recycle Bin
Start
My Computer
5.bmp - Paint
Microsoft SQL Server ...
1:52 PM



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