

RiT Enterprise Solutions Installation Guide PV4E V6.0 Updated September 2009

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Chapter 1: Introduction

This user guide provides you with complete instructions on how to install the following modules:

- PV4E
 - A comprehensive and efficient intelligent infrastructure management solution that can automate and simplify both the planning and day-today management of networks and their associated passive and active equipment

Extended Driver Pack

This section is relevent only if you have purchased the extended Driver Pack. The Extended Switch Driver Pack provides expanded switch information support for switches

CAD

The CAD Module enables visual representation of the PV4E locations and inventory items on 2-D maps

PV360 Dashboard

 PV360 Dashboard provides a centralized depot for defining real-time alerts and centrally monitoring events across a company's physical network infrastructure

SitePro

SitePro is a hand held device that gives the technician detailed information about tasks that need to be performed in the communication room or datacenter in real time. Using SitePro, the technician is able to perform the patch process guided by the details sent from the PV4E or SiteWiz applications

Also contained in this user guide are the pre-requisites and requirements together with all other essential information you will require to install these modules efficiently.

For full and detailed information about PV4E, please refer to the *PV4E User Manual*.

How to use this Document

This document is based on machines using Windows 2003 / 2008 server and SQL 2005 / 2008 editions.

It is recommended that you check off each step of the installation using the installation check list, found at the end of this Installation Guide.

The checklist contains a complete list of installation items required to perform a successful and complete installation of the PV4E system.

Chapter 2 – PV4E Installation

This chapter explains how to install the PV4E software.

To install PV4E, the user must have administrator privileges to run the PV4E installation.

SQL users must have DBO privileges.

System Requirements

PV4E software must be installed on the computer that serves as a dedicated server (Deployment Server).

Depending on the function of the workstation, there are different hardware and software requirements, as well as different installation procedures.

Minimum Requirements

The minimal software requirements have been modified to allow running the PV4E on a Windows 2003 server or Windows 2008 server.

Following are the minimum Hardware and Software requirements for the PV4E Server and Client Stations.

Included in this section are the requirements for:

- Deployment Server Requirements
- Client Requirements

Deployment Server Requirements

Note:

The PV4E CAD application does not support SQL 2005 SP1 Express Edition. (should be recheck)

The requirements for the deployment server are:

Group	Component	Minimum Requirement	
Hardware	Pentium IV	Running at 2.4GHz or greater (for large installations, the computer configuration should be determined separately	
	RAM	2GB	
	Hard Disk space	2 GB (additional 30GB is recommended for logging purposes)	
Software	Operating System	Windows 2003 Server R2 SP2, Windows 2003 server SP2 and Windows 2008	
	Microsoft Internet Explorer	6.0 SP1, IE 7, IE8	
	DB	MS SQL 2005 Standard/Enterprise (basic, SP2 and SP3) MS SQL 2008 – all versions (SP1)	
	IIS 5 or 6	Prerequisites: FTP Server, SMTP Services	
	MSMQ	Version 2.0 or 3.0 or higher	

Note:

If MSMQ and IIS are not installed on your computer, please do it now. Installation can be done through the "Windows Components" option in the Computer Settings/ Control Panel/ Add or Remove Programs.

Client Requirements

The requirements for a client are:

Group	Component	Minimum Requirements	
Hardware	P–III 900 MHz	Running at 900MHz (P-IV recommended).	
	RAM	512MB	
Software	Operating System	Microsoft Windows 2003, Windows XP or Windows Vista	
	Internet Explorer	6.0 SP1 , IE 7 or IE8 with ActiveX, Cookie and Java Script support	

License Registration

After you have purchased the PV4E system, you will receive a software certificate for the software from RiT Technologies. You must then go to our website: <u>http://www.rittech.com</u> and register. You will find registration in the *support section* of the website. After registration you will receive a License File via email. Open the file and save on your computer. This file is needed during the installation setup.

Pre-requisites

SQL Server

Note : Starting from PV4E 6.0, , SQL 2000 will no longer be supported.

You must install MSSQL Server 2005 Standard Edition or MSSQL Server 2008 to run PV4E. The following explains the procedure for installing SQL.

The system requirement for installing MSSQL Server 2005 editions or MSSQL Server 2008 editions can be read at the Microsoft website:

http://www.microsoft.com/sql/prodinfo/sysreqs/default.mspx

Install SQL Server 2005 Enterprise Edition

See the installion process description in the Appendix.

Service Packs for SQL

Installing SP2 and SP3 for SQL 2005.

Install SQL Server 2008

See the installion process description in the Appendix.

SQL Configuration

From the computer where the SQL Sever 2005 is installed, do the following:

- 1. Open the SQL Server Surface Area Configuration.
- 2. From the Start menu: **Start > Programs > Configuration Tools > SQL Server** Surface Area Configuration
- 3. Click Surface Area Configuration for Services and Connections
- 4. Select View by Instance tab
- 5. Expand the relevant SQL Server instance
- 6. Expand the Database Engine branch
- 7. Select the Remote Connections branch
- 8. Select Local and remote connections on the right-hand side pane
- 9. Select Using both TCP/IP and named pipes
- 10. Click **OK**
- 11. Stop and Start the SQL Server service

Changing the Web Security Settings

- 1. Open the Internet Explorer
- 2. Select > Tools/Internet Options/Security/Internet/Custom level
- 3. Check the radio buttons for ActiveX controls and plug-ins to enable

Internet O	ptions	r x	
General	Security	y Content Connections Programs Advanced	i i
Select a	Wel Se	ecurity Settings	? ×
		Settings: ActiveX controls and plug-ins Download signed ActiveX controls	4
	ntei	 Disable Enable Prompt 	
	Fhis : nave	 Download unsigned ActiveX controls Disable Enable 	
- Secun	C Glev	Prompt Initialize and script ActiveX controls not marked as safe Disable	э
		Enable Prompt Bus Active? controls and plug inc	- -
	[Reset custom settings	_
		Reset to: Medium Reset	
		OK Canc	el

- 4. Click OK
- 5. Select > *Local Internet/Custom levels* Check the radio buttons for ActiveX controls and plug-ins to **enable**
- 6. Click OK
- 7. Click Apply

Checking Services Required for Installation

During the installation process, you will be required to add the following Window components. See next section for Server installation instructions.

Indexing Service

Message Queuing Services

Internet information Services (IIS)

File Transfer Protocol (FTP) Server

SMTP Service

Windows 2008 Server

Installing IIS 7 (with IIS 6 Management Compatibility + FTP server)

Open the "Server Manager" window (right click on Computer – >Manage) Choose "Roles" and click on "Add Roles" hyper link.

Make sure that all the required features are checked as in the following images:

Add Roles Wizard		×
Select Role	Services	
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select the role services to install for Web Server (IIS): Role services: Web Server Gomon HTTP Features Static Content Default Document Directory Browsing HTTP Errors HTTP Redirection Application Development ASP.NET ASP.NET ASP.NET Server Side Includes Server Side Includes Server Side Includes Health and Diagnostics Health and Diagnostics Health and Diagnostics Request Monitor Custom Logging DBPC Learence More about role services	Description: FTP Publishing Service includes the File Transfer Protocol (FTP) Server and the FTP management console. You want the step and FTP publishing service to allow users to upload and download files.
	< Previous	Next > Install Cancel

Figure 1: Select Role services

RiT Enterprise Solutions Installation Guide

Add Roles Wizard	<u>×</u>
Select Role	Services
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select the role services to install for Web Server (IIS): Role services:
	<pre></pre>

Figure 2: Select Role services - continue

If some of the features are not checked, checked them and click next to install them.

Installing MSMQ and SMTP

Open the "Server Manager" window (right click on Computer – >Manage) Choose "Features" and click on "Add Features" hyper link.

Make sure that all the required features are checked as in the following image:

Add Features Wizard		×
Select Features		
Features	Select one or more features to install on this server.	
Confirmation	Eeatures:	Description:
Progress Results	Message Queuing Message Queuing Services Message Queuing Server Directory Service Integration Message Queuing Triggers HTTP Support Multipath I/O Network Load Balancing Peer Name Resolution Protocol Quality Windows Audio Video Experience Remote Assistance Remote Sorrier Administration Tools (Installed) Removable Storage Manager RPC over HTTP Proxy Simple TCP/IP Services More about features	<u>SMTP Server</u> supports the transfer of e-mail messages between e-mail systems.
	< Previous Next	>InstallCancel

Figure 3: Select Features

If the features "Message Queuing Server" and/or "SMTP Server" are not checked, checked them and click next to install them.

Make sure FTP server is running

After installation of IIS, we need to make sure that the FTP service "Startup Type" is set to "Automatic" and that the server is running.

At "Server Manager" window click on "Configuration" to expand, then click on "Services". Search for the service "FTP Publishing Services".

Make sure that its Startup type is set to "Automatic" and its status is "Started".

Remote SQL Installation

Configuring for Remote SQL Server

You need to make configuration changes if the PV4E and SQL servers are located on separate machines. The instructions in this section relate specifically to Windows Server 2003. The instructions may vary for other Windows versions.

The instructions depend on whether an Active Directory is available in the network.

Both the PV4E and SQL servers require registration for working as part of the Active Directory configured on the network. Refer to your IT Manager for details on the Active Directory.

If no Active Directory is available, see Remote Connection when Active Directory is Unavailable.

Note:

It is highly recommended that you perform the respective tasks in close coordination with the IT Manager.

Remote Connection using Active Directory

The instructions are the same for the two machines that contain the PV4E application and the SQL Server. This section assumes that there is an active directory available on the network.

To set up the remote connection when the active directory is available

1. From the Windows Start menu, select Administrative Tools > Component Services.

Component Services <u>- 🗆 ×</u> Eile Action View Window Help _ 8 × ← → 🗈 📧 × 📽 🕅 😫 🎦 🏪 🗄 🗰 🗰 🕮 📄 Console Root 🚊 🙆 Component Services 🗄 📄 Computers Distributed Transacti... Running Processes COM+ DCOM Config My Computer

 OM+ Applications

 OCM Config Applications 🗄 🦲 Distributed Transaction Coordinato 🗄 💼 Running Processes Interstory Users and Computers Event Viewer (Local)
 Services (Local)

The Component Services window appears.

Figure 1 - Component Services Window

2. Right-click *My Computer* and select **Properties**. *My Computer Properties* dialog appears.



My Computer Properties	? ×	
General Options Default Prope Default Protocols MSDTC Default COM S	erties	
Default Coordinator		
Remote Host: Sele	ct	
Log Information (Currently owned by MOSHEA)		
Location: C:\WINDOWS\system32\MSDTC Brow	se	
Capacity: 4 MB Rese	et log	
Client Network Protocol Configuration		
TCP/IP	•	
Service Control Status for MSDTC version 5.2.3790.130 Status: Started at 10:04:38 AM - 1/23/2005		
Start Stop		
Transaction Configuration		
Security Configuration Tracing Options		
OK Cancel	Apply	

Figure 2 - My Computer Properties Dialog

3. Click the MSDTC tab.

4. Click the Security Configuration button.

The Security Configuration dialog appears:

(Please note that the Security Configuration screens for Win 2003 Server SP1 and Win 2003 Server SP2 are different. Please see *Figures 3 and 4* on *page 20*.

Security Configurat	ion	<u>? ×</u>
Security Settings Network DTCA Network Adn Network Iran Network Cjie	ccess ninistration nsactions nts	
Transaction I	nternet Protocol (TIP) Transactions	
A Transactions	:	
CDTC Logon Accour	nt	
Acco <u>u</u> nt:	NT AUTHORITY\NetworkServi	Browse
Pa <u>s</u> sword:		
Co <u>n</u> firm password:		
<u>0</u> K	<u>C</u> ancel	

Figure 3 - Security Configuration dialog

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- 5. Check all the options in the Security Settings area.
- 6. Click **OK** in both dialogs and close the Component Services window.

Security Configuration Screens	for Win	2003	Server	SP1	and
Win 2003 Server SP2.					

Security Configurat	ecurity Configuration				
⊂ Security Settings					
Network DTC Access					
✓ Network <u>A</u> dministration					
Network <u>T</u> ran	nsactions				
Network Clie	nts				
✓ Transaction	nternet Protocol (TIP) Transactions				
🔽 🖂 Transactions	;				
DTC Logon Accour	ıt				
Acco <u>u</u> nt:	NT AUTHORITY\NetworkServiv	Browse			
Pa <u>s</u> sword:					
Confirm password:					
,					
<u>0</u> K	Cancel				

Figure 4 - Security Configuration dialog for Win 2003 Server SP1

s	ecu	rity Configuration	? ×
	−Se I	ecurity Settings Network DTC Access Client and Administration I Allow Remote Clients I Allow Remote Administratio	'n
Α	ব	Transaction Manager Communication ✓ Allow Inbound ✓ Mutual Authentication Required ○ Incoming Caller Authentication Required ○ No Authentication Required ✓ Enable Transaction Internet Protocol (TIP) Transactions Enable XA Transactions	
0	−D` Ac Pa Co	TC Logon Account count: NT Authority\NetworkService Browse issword:	
		OK Cancel	

Figure 5 - Security Configuration dialog for Win 2003 Server SP2

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	12	

Remote Connection when Active Directory is Unavailable

If an Active Directory is not available in the network, perform the following configuration change only on the machine containing the SQL Server.

Note:

You are highly recommended to perform this in close coordination with the IT Manager.

To enable remote connection to the SQL Server when Active Directory is Unavailable

- 1. Open the Registry Editor.
- Disable the security for MSDTC by adding a DWORD registry value. This value is called TurnOffRpcSecurity at HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\MSDTC
- 3. Set the value of TurnOffRpcSecurity = 1.
- 4. Restart the MSDTC service restart for the change to take effect.

How to configure DTC on Windows 2008

If you click the plus sign next to Roles in the right hand menu you can navigate down to Roles > Application Server > Component Services > Distributed Transaction Coordinator > Local DTC.



Check which ever boxes you need to in order to get the DTC setup to match the other servers in your environment. Be sure to enable "Allow Remote Clients" or client machines won't be able to access the DTC on this machine.

If remotely enabling the DTC from another machine is required you'll need to check the "Allow Remote Administration".

Note : Once DTC is setup the remote administration isn't probably that important so it can be left unchecked and simply RDP into the server if it needs to be worked on. The screen will look something like this.

~	Network DTC Access		
	Allow Remote Clients	🗖 Allow Remote Admi	nistration
	Transaction Manager Commu	nication Allow Outbound	
	C Mutual Authentication I	Required	
	C Incoming Caller Auther	ntication Required	
	No Authentication Req	juired	
v 1			
DT Acc	C Logon Account	ITY\NetworkService	Browse
DT Acc Pas	C Logon Account ount: NT AUTHOR sword:	ITY\NetworkService	Browse
DT Acc Pas	C Logon Account ount: NT AUTHOR sword:	ITY\NetworkService	Browse
♥ I DT Acc Pas Con	C Logon Account ount: NT AUTHOR sword: firm password: n more about <u>setting these prop</u>	ITY\NetworkService	Browse

In Account field enter local computer user with administrator rights with a correct password.

When you click OK DTC will prompt you to restart it. Click yes (unless you want to schedule the restart for another time) and DTC will restart. You can see the DTC events in the log by selecting the "Application Server" option from the menu on the left. You are going to want the most recent event to look something like this.

Installing PV4E

To install upgrades, please go to: Installing PV4E Upgrades

The following instructions refer to the installation of PV4E as a first time installation. If you have a previous version of PV4E installed, refer to the section <u>Upgrading PV4E Software</u> in this document.

You only need to install PV4E on the server.

PV4E is installed onto the server by running the setup program on the installation CD received from RiT. The setup program prompts you to enter the required fields and automatically installs the application.

Note:

You need to enter your License number that you should already have obtained from RiT. Please have it available.

PV4E Installation

To install PV4E

1. Insert the PV4E Installation CD into the CD Rom disk drive.

The following *PatchView for the Enterprise Installation* Window opens. The screen is divided into two parts. The first is *Installation* the second *Documentation*. At this point, you can install PV4E only or PV4E and accompanying documentation.

	Patch View FOR THE Enterprise
Installation PatchView FOR THE Enterprise	Documentation User Manual OK Release Notes OK
	Exit

Figure 6 - PatchView for the Enterprise Installation window

To install PV4E only: Click **OK** on the left-hand side of the screen, under *Installation*.

<u>To install the documentation:</u> Under *Documentation* on the right-hand side, click **OK** next to User Manual PVMax. The manual is in PDF format, therefore you will need a PDF reader installed on your computer. Release Notes are not available with this installation.

The system prepares the InstallShield Wizard.



Figure 7 - InstallShield Wizard

The PatchView for the Enterprise 6.0 Setup box opens.

PatchView for the Enterprise	6.0 Setup	×
	Welcome to the InstallShield Wizard for PatchView for the Enterprise	
	The InstallShield® Wizard will install PatchView for the Enterprise on your computer. To continue, click Next.	
	< <u>₿</u> ack. <u>Next></u> Cancel	

Figure 8 - InstallShield Wizard window

2. If .NET elements are not installed on the server, a window opens warning that .NET elements must be installed.

Warning	
	In order to install PV4E Microsoft .NET Framework 3.5 must be installed. The PV4E setup will aborts the process. Please install .NET 3.5 and then reinstall the PV4E.
	The installation file is located in: D:\dotnetfx\dotnetfx35.exe
	ОК

- 3. Click OK.
- 4. Install .NET 3.5 as described in Appendix
- 5. Start the PV4E installing process from the beginning.

If the *Active Server Pages* on your machine is set to 'prohibited' the following message is received.

P¥4E Set	up 🔀
?	Setup detected that 'Active Server Pages' Web Service Extension is set to 'prohibited'. In order to continue with PV4E installation 'Active Server Pages' status should be set to 'Allowed'. PV4E setup can configure the Web Service Extensions to the required settings.
	Click 'Yes' to allow PV4E setup to set the required parameters and continue with the installation. Click 'No' to abort the installation and consult with your Network Administrator.
	<u>Yes</u> <u>N</u> o

6. To allow the PV4E installation to continue click **Yes**. This allows the required parameters to be set. Click **No** to abort installation.

The *PatchView for the Enterprise Setup* - License Agreement dialog box opens.

icense Agreement		1	State State
Please read the following license agreer	ment carefully.		24
Press the PAGE DOWN key to see the	rest of the agreement.		
RIT'S SOFTWARE LICENSE AGREEM	1ENT		•
THIS LICENSE AGREEMENT IS A LEI THE COMPANY THAT WILL BE UTIL AS 'YOU''OR 'YOUR''JAND RIT TEC USING ALL OR ANY PART OF THE SI IF YOU DO NOT AGREE TO ALL OF T USE THE SOFTWARE OR ANY PART TO THE PLACE WHERE YOU OBTAIN	GALLY BINDING AGRE IZING THE SOFTWARE CHNOLOGIES LTD. ("RI OFTWARE, YOU ACCE THE TERMS HEREOF, IT THEREOF, AND RETI NED IT.	EMENT BETWE E (REFERENCED T''). BY INSTALL PT ALL TERMS DO NOT INSTAL JRN THE SOFTY	EN YOU,) BELOW JNG OR HEREOF, L OR WARE
THIS LICENSE AGREEMENT IS A LEI THE COMPANY THAT WILL BE UTILL AS "YOU" OR 'YOUR'] AND RIT TEC USING ALL OR ANY PART OF THE SI IF YOU DO NOT AGREE TO ALL OF T USE THE SOFTWARE OR ANY PART TO THE PLACE WHERE YOU OBTAIN Do you accept all the terms of the prece will close. To install PatchView for the Ei	GALLY BINDING AGRE IZING THE SOFTWARE CHNOLOGIES LTD. ("RI OFTWARE, YOU ACCE THE TERMS HEREOF, IT HEREOF, AND RETINED NED IT. eding License Agreemen Interprise, you must acce	EMENT BETWE (REFERENCED T') BY INSTALL TERMS DO NOT INSTAL JRN THE SOFT (?) If you choose opt this agreemen	EN YOU,) BELOW ING OR HEREOF. L OR WARE No, the setup t.

Figure 9 - PatchView for the Enterprise Setup - License Agreement dialog box

- 7. Please read the agreement carefully.
- 8. Click Yes to continue.

The User	Information	dialog	box	opens.
----------	-------------	--------	-----	--------

ser Information			Same 1
Enter your registral	tion information.		
Name:	RiT Technologies		
<u>C</u> ompany:	RiT Technologies	а. А.	_
License Key file:			
talishield			

Figure 10 - User Information dialog box

9. Enter the Name and Company details. The License Key file is supplied with

the software. To locate, click the *ellipsis* button to locate the License Key file. The following Select License Key file screen opens. Select file and click **Open**. The *License Key file* appears in the License Key file field. Click **Next**.

elect license ke	y file				<u>?×</u>	
Look in:	Desktop		•	+ 📾 💣	.	
My Recent Documents	My Documents My Computer My Network Pla My Network Pla	aces				
My Documents						
My Network Places	File name: Files of <u>type</u> :	IIM.lic License Key Fi	le(".lic)	•	Qpen Cancel	
Recycle Bin			License Key file:	C:\Docum	ents and Settings\tstlab	JNDesktop/IIM.lic
IIM.lic			Installshield		< <u>B</u>	ack Next > Cancel

Note:

The Next button is enabled after a License Key file is entered.

The Select Features dialog box opens.

e lect Features Choose the features Setup will ins	stall.		
C-1-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			-
PV4E Application PV4E Help	iskalli, anu ciedi (ne leatu	Description This feature contains t PV4E components and	he difiles.
Space Required on C: Space Available on C:	232180 K 72223756 K		

Figure 11 - Select Features dialog box

The PV4E CD includes the following components:

PV4E Application

PV4E Help

These checkboxes are selected by default.

If SQL is installed at a different location (remote server) then the database can be installed on the remote server.

The database is automatically installed. There is no checkbox for the database.

10. Click Next to continue.

The PV4E Edit Data dialog box opens.

atabase connection			
Enter requested data.			200
Please specify the connecti	on details to the SQL Server.		
Server Name \ Instance:	TESTLABO		Browse
Database:	PV4E		
User Name:	sa		
Password:	[Connect
stallShield			
		1	100000 0000000000

Figure 12 – Edit Datan dialog box

11. Enter the connection path to the SQL server in the above fields and press the "Connect" button.

tchView for the Ent	erprise 6.0 S	etup			
Database connecti	on				Non Y
Enter requested data					1
Please specify the co	onnection detai	ls to the S	QL Server.		
Server Name \ Instar	nce: Informat	tion		×	Browse
Database:	Ų.	Conn	ected to TESTLA	30.	
User Name:		[OK		
Password:	Иниж				Connect
InstallShield					



12. Click Next to continue.

The Application Account dialog box opens.

13. Check the radio button to select either Interactive User or This user (current user)

Account		2015		
Interactive user - The curr	ent logged on u	set		
C This user				
User:				
Password:				
Confirm password:				
noosing an account other that on user on the machine.	n the Interactive	e will allows you t	o login even if th	ere is no logg
ment of a				

oplication Account			Siles II
The application will run under the fo	owing account.		
Account			
C Interactive user - The current lo	gged on user		
• This user			
User:		_	
Password:			
Confirm password:		_	
Choosing an account other than the on user on the machine.	Interactive will allows you	to login even if the	ere is no logge
tallShield			
	< <u>B</u> ack	Next>	Cancel
			()).

RiT Technologies Ltd. 24

Figure 13 – Application Account dialog

14. Click Next to continue.

The Choose Destination dialog box opens.

contrew for the Encerprise 6.0	Secup	L. Martine and Contractor
noose Destination Location		Same P
Select folder where Setup will ins	tall hies.	
Setup will install PatchView for th	e Enterprise in the following folder.	
To install to this folder, click Next another folder.	. To install to a different folder, click Brows	e and select
Destination Folder		
Destination Folder		
Destination Folder	View for the Enterprise	Browse
Destination Folder C:\\RiT Technologies\Patch	View for the Enterprise	Browse
Destination Folder C:\\RiT Technologies\Patch	View for the Enterprise	Browse

Figure 14 – Choose Destination Location dialog box

15. If you want to install PV4E in another location, click **Browse** and select the location, click **OK**. Click **Next** to continue.

The following box appears.



This is to temporarily stop the Internet Information Services (IIS) while this part of the PV4E installation takes place.

The following box appears

Installing P¥4E database	
Creating stored procedures	

The following Setup Status dialog box appears

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PV4E starts the installation. A series of indicator status screens opens. The Setup Status dialog box opens giving the current status of the installation.



The InstallShield Wizard Complete dialog box opens:

Patch¥ie₩ for the Enterpris	e 6.0 Setup
	InstallShield Wizard Complete
	To complete the installation of PatchView for the Enterprise you must reboot the computer.
	Yes, I want to restart my computer now.
	O No, I will restart my computer later.
	Remove any disks from their drives, and then click Finish to complete setup.
	K Back Finish Cancel

Figure 15 - PV4E InstallShield Wizard Complete dialog box

16. It is recommended to select **Reboot**. Click **Finish** to complete the installation. You should reboot the system immediately after installation.

17. The Verifying PV4E installation dialog box appears:

anity Analyzer - Post	Installation	
ASP.NET Check		

Finally, the PV4E Sanity Analyzer dialog box opens:



The *Sanity Analyzer* process checks that all components were installed properly.

Leave the CD in the CD Rom disk drive. Sometimes after the reboot, further installation tasks are performed automatically after the Windows login.

The RiT icon for PV4E Server appears in the Status Bar of your desktop.

Upgrading PV4E Software

You must have a previous version of PV4E to perform the upgrade procedure. Install PV4E upgrades only on the PV4E Server.

The upgrade procedure uninstalls the existing version before installing the new version.

Note:

There is no license number for PV4E V6.0 upgrade. A license file is used instead and is supplied with the software.

Installing PV4E Upgrades

Note:

While the contents of the database are not modified during the upgrade process, you should backup the PV4E database before running the upgrade. In addition, you should also backup any non-PatchView data in this directory before upgrade.

1. Insert the PV4E Installation CD into the CD Rom disk drive. The PatchView for the Enterprise Installation Window opens.

The following *PatchView for the Enterprise Installation* Window opens. The screen is divided into two parts. The first is *Installation* the second *Documentation*. At this point, you can install PV4E only or PV4E and accompanying documentation.



Figure 16 - PatchView for the Enterprise Installation window

To install PV4E only: Click **OK** on the *Installation* side of the screen.

<u>To install the documentation</u>: Under *Documentation* on the right-hand side Click **OK** next to the documents you want to install.

The system prepares the InstallShield Wizard.

The Upgrade InstallShield Wizard dialog box opens.

Patch¥iew for the Enterprise 6	i.0 Setup	×
	Welcome to the Upgrade InstallShield Wizard for PatchView for the Enterprise This wizard will upgrade PatchView for the Enterprise to version 6.0. To continue click Next.	
	K Back Next> Cancel	

Figure 17 – InstallShield Wizard window

- 2. Click Next to continue.
- 3. If .NET elements are not installed on the server, a window opens warning that .NET elements must be installed.

Warning	×
	In order to install PV4E Microsoft .NET Framework 3.5 must be installed. The PV4E setup will aborts the process. Please install .NET 3.5 and then reinstall the PV4E.
	The installation file is located in: D:\dotnetfx\dotnetfx35.exe
	OK

- 4. Click OK.
- 5. Install .NET 3.5 as described in Appendix
- 6. The License Agreement dialog box opens.

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cense Agreement		Sec. 1
Please read the following license agre	eement carefully.	1
Press the PAGE DOWN key to see th	he rest of the agreement.	
RiT'S SOFTWARE LICENSE AGRE	EMENT	<u> </u>
THIS LICENSE AGREEMENT IS A I THE COMPANY THAT WILL BE UT AS "YOU" OR "YOUR") AND BIT T	LEGALLY BINDING AGREEMENT BETWE TILIZING THE SOFTWARE (REFERENCE) ECHNOLOGIES LTD. ("RIT"). BY INSTALI	EEN YOU, D BELOW LING OR
IF YOU DO NOT AGREE TO ALL O USE THE SOFTWARE OR ANY PA TO THE PLACE WHERE YOU OBT	SOFTWARE, YOU ACCEPT ALL TERMS F THE TERMS HEREOF, DO NOT INSTAI RT THEREOF, AND RETURN THE SOFT AINED IT.	HEREOF. LL OR WARE
DO ING ALL OF ANY PART OF THE IF YOU DO NOT AGREE TO ALL USE THE SOFTWARE OR ANY PA TO THE PLACE WHERE YOU OBT Oo you accept all the terms of the pre vill close. To install PatchView for the	SOFTWARE, YOU ACCEPT ALL TERMS F THE TERMS HEREOF, DO NOT INSTAI RT THEREOF, AND RETURN THE SOFT AINED IT. sceding License Agreement? If you choose a Enterprise, you must accept this agreement	HEREOF. LL OR WARE
USING ALL OF ANY PART OF THE IF YOU DO NOT AGREE TO ALL O USE THE SOFTWARE OR ANY PA TO THE PLACE WHERE YOU OBT Do you accept all the terms of the pre will close. To install PatchView for the IShield	SOFTWARE, YOU ACCEPT ALL TERMS F THE TERMS HEREOF, DO NOT INSTAL RT THEREOF, AND RETURN THE SOFT AINED IT. seeding License Agreement? If you choose a Enterprise, you must accept this agreement	HEREOF. LL OR WARE

Figure 18 – License Agreement dialog box

7. Please read the agreement carefully. Click $\ensuremath{\textbf{Yes}}$ to continue.

The User Information dialog box opens.

ser Information		Same of the
Enter your registration information.		
Name:	RiT Technologies	
<u>C</u> ompany:	RiT Technologies	
License Key file:	[
stallShield		

Figure 19 - User Information dialog box

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8. Enter the Name and Company. The License Key file is supplied with the

software. To locate, click the ellipsis button to locate the License Key file. The following *Select License Key file* screen opens. Select file and click **Open**. The License Key file appears in the License Key file field. Click **Next**.

elect license ke	y file				<u>?×</u>	
Look in:	Desktop		•	+ 📾 💣 📼	•	
My Recent Documents Desktop My Documents My Computer	My Documer My Compute My Network	its r Places				
My Network Places	File name:	IIM.lic	ilef".lic)	•	Qpen Cancel	
Recycle Bin		[Line of a grant of a	License Key file:	C:\Documen	ts and Settings\tstlab	\Desktop\IIM.lic
IIM.lic			InstallShield		<u> </u>	ack <u>N</u> ext > Cancel

Note:

The Next button is enabled after a License Key file is entered.

9. Click Next to continue.

The Application Account dialog box opens.

10. Check the radio button to select either *Interactive User* or *This user* (current user). The following screen shows that the *Interactive User* has been selected.

The application will run under the following account Account Interactive user - The current logged on user User: Password: Confirm password:	
Account Interactive user - The current logged on user This user User: Password: Confirm password:	
C This user User Password Confirm password	
User. Password Confirm password:	
Password Confirm password	
Confirm password:	
Choosing an account other than the Interactive will allows you to login even if there is no	o logger
on user on the machine.	33
atishield	

Figure 20 – Application Account dialog – Interactive User

The following screen shows that *This user* has been selected.

plication Account		Siles V
The application will run under the following account.		1
Account		
C Interactive user - The current logged on user		
• This user		
User:		
Password:		
Confirm password:		
Choosing an account other than the Interactive will a	allows you to login even if the	re is no loage
on user on the machine.		
tallShield		
	A Deal News	Contract

Figure 21 – Application Account dialog – This user

11. Click **Next** to continue.

The Setup Information dialog box opens.

tchView for the Enterprise 6.0 Setup			
PatchView for the Enterprise Upgrad	le		24
Setup Information			
Setup is ready to begin the upgrade to P Click Next to start with upgrade.	/4E 6.0		<u>^</u>
1			
tallShield			
	< <u>B</u> ack	Next>	Cancel

Figure 22 - PV4E Upgrade dialog box

12. Click **Next** to continue.

Several setup bars appear in succession, see the following:.





13. Once completed, and immediately after, the following *Setup Status* dialog box opens.



Setup is perform	ning the requested	d operations.	
L:\\Server\1)	ools\IIM5anityAna	alyzer.exe	

Figure 23 - Setup Status dialog box

14. The *Registering components* progress window appears.





15. Once completed, and immediately after, a *Registering MTS components* progress window appears.

Registering M	TS components	
-		

16. When completed the *InstallShield Wizard* opens. Click **Yes**, **I** want to restart my computer now. This step is recommended. Click **Finish**.



PatchView for the Enterpri	se 6.0 Setup InstallShield Wizard Complete To complete the installation of PatchView for the Enterprise you must reboot the computer.
	 Yes, I want to restart my computer now. No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup.
	K Back Finish Cancel

Figure 25 - InstallShield Wizard dialog box

17. After you have restarted your computer, the following dialog box appears:

InstallShield Wizard			
2	PatchView for the Enterprise Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.		

The following PV4E Sanity Analyzer dialog box appears. This checks that the service is up and the PV4E installation completed successfully.

P¥4E Sanity Analyzer	
Verifying PV4E installation	

Figure 26 - PV4E Sanity Analyzer dialog box

The following PV4E Sanity Analyzer dialog box appears. This checks that the service is up and the PV4E installation completed successfully. Finally the following *PV4E Installation completed successfully* dialog box appears:



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Note: In case the PV4E version 5 has an installed driver pack, the upgrade process will require to uninstall the driver pack. There will be necessary to install this driver pack again after the PV4E ugrading.

Software Upgrade for Windows Vista

The following section explains what action to take should you encounter any problems when peforming the software upgrade for Windows Vista.

Problem

When pressing the **Download** button in the *Software Download* window, the progress bar turns red indicating that the operation has failed.

Cause

The cause can be attributed to either of the following reasons:

- FTP Service is not running
- No sufficient permissions on the BootLoader folder

Fix

- > Run the FTP Service:
 - 1. In Windows Vista, open the *Computer Management* window.
 - 2. Open the IIS 6.0 Manager and click FTP Sites.
 - 3. Check that the FTP Service is running, if not, start it.
- > Add Permission to BootLoader:
 - 1. Go to the *RiT Technologies**PatchView for the Enterprise* folder, located under the *Programs Files* folder.
 - 2. Right click the BootLoader folder and select Properties.
 - 3. Choose the Security tab.
 - Click Add and select the Internet User Account (IUSR_<ComputerName>) with Full Control permission.

Try the Software Download operation again to make sure the problem has been solved.

Additional Software

Online help files are supplied together with the PV4E application.

You can also refer to the lastest Service Pack released by RiT Technologies Ltd. (need to confirem if the online help are within the PV4E $\,$

Installation Verification

Sanity Analyzer

To activate the sanity analyzer run the following file:

C:\Program Files\RiT Technologies\PatchView for the Enterprise\Server\Tools\PV4ESanityAnalyzer.exe

Once activated, the sanity analyzer performs several tests. On completion, you are prompted to view the report results. Select **Yes** to continue.

Verify that all is OK. If you encounter any problems that you cannot solve, please contact RiT customer support.

When you have completed the sanity analyzer report, please email the sanity analyzer report to RiT customer suport.

The PV4E Sanity Analyzer is used to validate the PV4E installation by performing simple checks.

Level	Check	Category
Warning	Checks that the Regional Settings are correct	Regional Settings
Error	Checks that the PV4E registry is valid	Registry
Error	Checks that the database exists	Database
Error	Checks that the MSMQs are created	MSMQ
Error	Checks that all COM+ components are installed	COM+
Error	Checks if the ASP is allowed on the machine	IIS ASP Web Extension
Warning	Checks if the ASP.NET is allowed on the machine	IIS ASP.NET Web Extension
Warning	Checks if the machine can run ASP.NET	ASP.NET
Error	Checks the binaries were copied correctly	CRC
Error	Checks that all PV4E's processes are running	Processes
Error	Validates the license file	License

Troubleshooting

Symptoms

When you try to login you receive an error message that *the page cannot be displayed*, with the following technical information:

Error Type:

Active Server Pages, ASP 0115 (0x80004005)

A trappable error (E06D7363) occurred in an external object. The script cannot continue running.

/pv4e/main/pv4e.asp

Page:

GET /pv4e/main/pv4e.asp

Cause

The COM+ (MTS) components of PV4E run, by default, in the context of the interactive user. The interactive user is the user which is currently logged on to Windows directly. A user that is logged on through Terminal Services is not an interactive user. A user that uses NetMeeting, PCAnywhere, etc. is an

interactive user. If Windows is in a state of log off then there is no interactive user and the PV4E will fail to work from a remote Internet Explorer.

Solution

The following workaround can be applied by any user:

- 1. On the PV4E Server machine, Open the Control Panel
- 2. Open the Administrative Tools
- 3. Open Component Services
- 4. Go to Computers\My Computer\COM+ Applications\PV4E
- 5. Right click and select Properties
- 6. Go to the *Identity* tab
- 7. Select This user
- 8. Fill in a username and password of a valid Windows' user that has administrator privileges.
- 9. Apply the same to Computers\My Computer\COM+ Applications\PV4E.Server if it exists

Symptoms

The installation of PV4E runs smoothly, but when you try to login into the PV4E application an *Invalid Password* message is received.

Another symptom, which happens only if part of this solution is applied, is that you login and view items, but cannot add/edit them. Each time you try to add/edit an item the PV4E generates a message box that the system is busy.

Cause

The windows built-in anonymous user is not allowed to access the cmsserv.exe. And/or the BL user is not allowed to access the cmsserv.exe.

Workaround

The workaround can be applied by any user and applies to Windows XP professional edition only. Windows XP home edition is not supported.

Do the following steps on the PV4E Server machine after the PV4E installation. (The instructions applies to Windows 2003 Server with SP1 and to Windows XP with SP2)

- 1. Open the Control Panel
- 2. Open the *Administrative Tools*
- 3. Open *Component Services*
- 4. Go to Computers*My Computer\DCOM Config\CmsServ*
- 5. Right click Properties
- 6. Go to the Security tab
- 7. On the Launch and Activation Permissions click Edit...
- 8. Click Add...

- 9. Click Advanced...
- 10. Click Locations...
- 11. Select the local computer name (not a domain name) and click OK
- 12. Click Find Now
- 13. After the search completes select the user whosename begins with IUSR_ and ends with the machine name.

For example if the machine name is MyMachine then the user name is $\ensuremath{\textbf{IUSR_MYMACHINE}}$

- 14. Click **OK**
- 15. Click **OK**
- 16. A new entry will appear in the Group or user names list: Internet Guest Account. Select.
- 17. In the Permission list below check all of the actions to enable the user local and remote launch and activation.
- 18. Repeat on steps 8 to 12
- 19. Find your user name and select
- 20. Repeat steps 14 to 18 for your user name
- 21. Click **OK**
- 22. Click **OK**
- 23. Repeat steps 8 to 12
- 24. Find the Network Service and select
- 25. Repeat steps 14 to 18 on Network Service account
- 26. Click OK
- 27. Click **OK**
- 28. There is no need to restart the machine

Running PV4E

When PV4E has been successfully installed you can log into the application via your browser.

PV4E Settings

To login/open PV4E

- 1. Open the Internet Browser and type the path into the Address window. If you are working on the computer where PV4E server is installed, type: http://local computer name/pv4e If you are working from a client, type: http://host name/pv4e.
- 2. Press Enter, the PV4E login window opens.

RiT		PatchViewy FOR THE Enterprise
User Name:	Administrator	
Password:		Login

Figure 27 - PV4E Login window

 Type in your User Name and Password. The default settings are below and are case-sensitive. We strongly recommend that you change these settings as soon as possible:

User Name = Administrator

Password = [blank]

4. Click Login.

When launching $\mathsf{PV4E}$ for the first time, a RiT Security Warning message appears.

Security Warning	×
3	Do you want to install and run "http://localhost/pv4e/main/cab/editlink.cab" signed on 21/10/2003 10:30 and distributed by:
	RiT Technologies Ltd.
	Publisher authenticity verified by VeriSign Class 3 Code Signing 2001 CA
	Caution: RiT Technologies Ltd. asserts that this content is safe. You should only install/view this content if you trust RiT Technologies Ltd. to make that assertion.
	Always trust content from RiT Technologies Ltd.
	Yes No More Info

Figure 28 - RiT Security Warning message

5. Click **Yes** to continue. PatchView for the Enterprise opens.

RiT Enterprise Solutions Installation Guide

					PVMAX	• P-LET	Alarm	Refresh	0 Logout	Administrator
	WORK ORDER	TOOLS♥	SETTINGS▼	REPORTS▼	HELP▼				Pai FOR TH	chView Enterprise
Location • Tree OT Location • No Location	Topology Users elecomunication Infrastruc	ture								
				Events						
				Info Date/Time	Ever	nt Code			Event Categ	ory
					_					

Figure 29 - PV4E Opening Screen

The default is set to open in the *Maintenance* window as it is here that most of the activity in PV4E occurs. When this window opens for the first time after installation, there is no information pane, as this only appears after an item is added or defined within the database.

Uninstalling PV4E

- 1. From the *Start* menu, select > **Settings** > **Control Panel**.
- 2. Select Add/Remove Programs.
- 3. Locate PV4E from the list of programs and click **Remove**. The following Uninstall sequence is activated:





After the above *InstallShield Wizard*, closes, the following *InstallShield Wizard* Complete box opens: Click **Finish** to uninstall PV4E.

InstallShield Wizard	
	InstallShield Wizard Complete To complete the uninstall of PatchView for the Enterprise you must reboot the computer. Yes, I want to restart my computer now No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup.
	< Back Finish Cancel

Figure 30 –InstallShield Wizard Complete dialog box

Chapter 3 – Extended Driver Pack

Installing Extended Driver Pack

This section is relevent only if you have purchased the extended Driver Pack.

Note:

Before Installation stop the PV4E server.

The Extended Switch DriverPack provides expanded switch information support for switches.

A list of supported switches can be found at our website:

http://www.rittech.com/content.asp?id=403&mode=1

This section describes how to install the Extended Switch DriverPack.

- 1. Go to: Insert the Extended Switch DriverPack Installation CD into the CD Rom disk drive.
- 2. Open the CD Rom drive on your computer.
- 3. Run .exe file to install driver pack.
- 4. The system prepares the InstallShield Wizard.

InstallShield Wizard	
	Preparing to Install DriverPack Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Configuring Windows Installer
	Cancel

Figure 31 - Preparing the InstallShield Wizard

5. The InstallShield Wizard dialog box opens. Click Next to continue.



Figure 32 - InstallShield Wizard window

6. The Setup status dialog box opens. A series of indicator status screens show the current status of the installation.

InstallShield Wizard	×
Setup Status	
DriverPack Setup is performing the requested	operations.
Setup is uninstalling prev	ious DriverPack, please wait
InstallShield	Cancel

Figure 33 - Setup Status dialog



Comment: This image will not be relevant in released version

7. The InstallShield Wizard Complete dialog box opens. Click **Finish** to complete installation.

InstallShield Wizard				
	InstallShield Wizard Complete			
	Setup has finished installing DriverPack on your computer.			
	< Back Finish Cancel			

Figure 34 - PV4E InstallShield Wizard Complete dialog

Chapter 4 – CAD Module

Note: The CAD module is not supported in windows server 2008 and windows Vista

This chapter includes the following sections:

- License Registration
- System Requirements
- MapGuide Server Version
- Installing the PV4E CAD Module
- MapGuide Configuration
- Activating the Active X Component

Note:

For all procedures contained in this chapter, you must be logged into the PV4E Server with administrative privileges.

License Registration

Prior to installation of the *PV4E CAD Module*, please register your software copy and obtain a valid license key.

Please refer to the *License Registration* document that is included in this package.

System Requirements

Note:

The PV4E CAD application does not support SQL 2005 SP1 Express Edition.

The System Requirements for the installation of CAD are identical to the requirements for the installation of PV4E.

CAD must be installed on the PV4E Server.

MapGuide Server Version

The MapGuide Server versions that support this PV4E module are AutoCAD 2000, 2000i, and 2002.

Uninstalling Previous MapGuide Components

If you presently have MapGuide 6.0 or lower installed on your machine, you must follow the uninstall procedure before installing the new version. You need to uninstall the toolkit and the Server.

Uninstalling the MapGuide Toolkit

You need to uninstall a previous version of the *MapGuide Toolkit* before installing the latest version.

To uninstall a previous version of the MapGuide Toolkit

1. From the Windows Start menu, select **Control Panel** > **Add/Remove** Programs.

The Add/Remove Programs window appears.

- 2. Click Autodesk MapGuide(R) SDF Component Toolkit 6. The title may be different for previous versions.
- 3. Click Change/Modify.

The Autodesk MapGuide(R) SDF Component Toolkit Release 6 Setup – Welcome dialog appears.

🙀 Autodesk MapGuide	:(R) SDF Component Toolkit Release 6 Setup
	Welcome
and the second	Welcome to the SDF Component Toolkit Setup wizard.
	An existing installation of SDF Component Toolkit has been detected. You can:
	O Update or repair files
	Reinstalls any files that have changed since you last installed this release of SDF Component Toolkit. Use this option if you have received an updated SDF Component Toolkit or if any of your installed files have been corrupted.
Carl And	Remove SDF Component Toolkit
	Removes SDF Comporent Toolkit and its supporting files and registry entries.
	To continue, click Next.
e la	Next > Cancel

Figure 35- Setup – Welcome Dialog Box

4. Select Remove SDF Component Toolkit and click Next.

The Confirm Removal dialog appears.

🙀 Autodesk MapGuide	e(R) SDF Component Toolkit Release 6 Uninstall	_ 🗆 🗙
	Confirm Removal	
	The Setup wizard is ready to begin removing SDF Component Toolkit.	
P	To continue, click Next.	
	< <u>B</u> ack <u>Next</u> Ca	incel

Figure 36- Setup – Confirm Removal Dialog Box

5. Click Next.

The Removal Complete dialog appears.

🙀 Autodesk MapGuide	e(R) SDF Component Toolkit Release 6 Setup	
- f	Removal Complete	
	SDF Component Toolkit was successfully removed from your system.	
	Click Finish to exit the Setup wizard.	
		Finish

Figure 37 - Setup – Removal Complete Dialog Box

6. Click Finish.

Uninstalling the MapGuide Server

You need to uninstall a previous version of the MapGuide Server before installing the latest version.

To uninstall a previous version of the MapGuide Server

1. From the Windows Start menu, select Control Panel > Add/Remove Programs.

The Add/Remove Programs window appears.

- 2. Click **Autodesk MapGuide(R) Server Release 6**. The title may be different for previous versions.
- 3. Click Change/Modify.

The Autodesk MapGuide(R) Server Release 6 Setup - Welcome dialog appears.

🙀 Autodesk MapGuide	r(R) Server Release 6 Setup
1	Welcome Welcome to the Autodesk MapGuide Server Setup wizard.
	An existing installation of Autodesk MapGuide Server has been detected. You can:
	O Change your Autodesk MapGuide Server installation
	Displays the components you already have installed and allows you to add or remove components. Note that if you mark an installed component as "Don't Install", it will be removed from your system.
Stan The	O Update or repair files
	Reinstalls any files that have changed since you last installed this release of Autodesk MapGuide Server. Use this option if you have received a product update or if any of your installed files have been corrupted.
	Remove Autodesk MapGuide Server
	Removes Autodesk MapGuide Server including its supporting files and registry entries.
	To continue, click Next.
	<u>N</u> ext> Cancel

Figure 38- Autodesk MapGuide(R) Server Release Dialog Box

4. Select Remove Autodesk MapGuide Server and click Next.

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🙀 Autodesk MapGuide	e(R) Server Release 6 Setup	<u> </u>
1	Server Service Running The Autodesk MapGuide Server service is currently running.	
	The Setup wizard will temporarily stop your Autodesk MapGuide Server service to the process.	complete
	To continue, click Next.	
	< <u>B</u> ack <u>Next</u> Car	ncel

Figure 39- Remove Autodesk MapGuide Server Dialog Box

5. Click Next.

The Confirm Removal dialog appears.

🙀 Autodesk MapGuide(R) Server Release 6 Setup 📃			
1	Confirm Removal		
	The Setup wizard is ready to begin removing Autodesk MapGuide Server.		
	To continue, click Next.		
	< <u>B</u> ack (<u>Next</u>) Ca	incel	

Figure 40- Confirm Removal Dialog Box

6. Click Next.

The Removal Complete dialog appears.

🖟 Autodesk MapGuide(R) Server Release 6 Setup				
1	Removal Complete			
	Autodesk MapGuide Server was successfully removed from your system.			
	Click Finish to exit the Setup wizard.			
E A	j Fi	nish		

Figure 41- Removal Complete Dialog Box

7. Click Finish.

A message appears informing that you should restart your machine.

Autodesk MapGuide(R) Server Release 6	×
You must restart your system for the configuration changes made to Autodesk MapGuide(R) Server Release 6 to take effect. Click Yes to restart now or No if you plan to restart later.	
<u>Y</u> es <u>N</u> o	

8. Click Yes.

The machine restarts.

Uninstalling a Previous Version of PV4E CAD Module

You need to uninstall the previous version of the $\ensuremath{\mathsf{PV4E}}$ CAD Module before installing the latest version.

To uninstall a previous version of the MapGuide Server

1. From the Windows Start menu, select Control Panel > Add/Remove Programs.

The Add/Remove Programs window appears.

- 2. Click PV4E CAD Integration Module.
- 3. Click Change/Modify.

A dialog box appears and prompts you to proceed with the installation procedure.

4. Click Yes.

The uninstall process begins.

The *PatchView for the Enterprise - CAD Module Setup* dialog appears requesting that you restart the computer.

5. Click the **Yes** option and click **Finish**.

Installing the MapGuide Components

You must install the MapGuide Components - Server and SDF Components Toolkit before installing the PV4E CAD Module.

Installing the MapGuide Server

There are two procedures when installing the MapGuide Server:

- Install MDAC 2.8 if it is not already installed. These are the Microsoft Data Access Components
- Install the MapGuide Server
- Install the SDF Toolkit

To install MDAC 2.8

- 1. Insert the Autodesk MapGuide CD into your CD-ROM drive. The Installation Utility screen appears. You can ignore this window for now.
- 2. Using *File Explorer*, go to the root directory on the CD.
- 3. Open the MDAC 2.8 directory.
- 4. Double click **MDAC_TYP.exe**.

The installation wizard opens.

5. Continue with wizard until the Microsoft Data Access Components 2.8 Setup – End User License Agreement dialog appears.



Figure 42- End User License Agreement Dialog Box

- 6. Select the I Accept checkbox and click Next.
- 7. Continue with the wizard while it checks for disk space until the Microsoft *Data Access Components 2.8 Setup - Installing the Software* dialog appears.

Microsoft Data Access Components 2.8 Setup	×
Installing the Software	
Setup will now install Microsoft Data Access Components 2.8.	
Click Finish to begin installation.	
	_
< Back Finish Cancel	

Figure 43- Installing the Software Dialog Box

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8. Click Finish.

The installation starts.

On completion of the installation process, the Microsoft Data Access Components 2.8 Setup - Restarting the System dialog appears.

- 9. Ensure Let setup restart the system now is selected.
- 10. Click Finish.

The system reboots.

To install the MapGuide Server

1. Insert the *Autodesk MapGuide* CD into your CD-ROM drive (if you did not do so for the previous section).

The Installation Utility screen appears.



Figure 44- Installation Utility Dialog Box

2. Click Autodesk MapGuide Server.

The Autodesk MapGuide(R) Server Release 6.5 Setup - Welcome dialog appears.

🙀 Autodesk MapGuid	e(R) Server Release 6.5 Setup				
	Welcome Welcome to the Autodesk MapGuide Server Setup wizard.				
The Setup wizard will install Autodesk MapGuide Server on your computer.					
autodesk					
	To continue, click Next.				
	Ca	ncel			

Figure 45- Autodesk MapGuide(R) Server Release Setup Dialog Box

3. Click Next.

The End User License Agreement dialog appears.

4. Select I Accept checkbox and click Next.

The Register Autodesk MapGuide Server dialog appears.

🙀 Autodesk MapGuid	le(R) Server Release 6.5 Setup					
	Register Autodesk MapGuide Server					
	Serial number: 342 - 99876549					
	Your serial number is located on the product box.					
	Select Evaluation installation or Registered installation.					
autodesk C Evaluation installation This evaluation installation of Autodesk MapGuide Server will be available for 30 da or 5000 map data requests, whichever comes first. Registered installation						
						Authorization code:
						For instructions on obtaining your authorization code, refer to the Read This First card included in the product box.
	To continue, click Next.					
	< <u>B</u> ack <u>Next></u> Cancel					

Figure 46- Register Autodesk MapGuide(R) Dialog Box

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5. In the dialog box:

Enter the serial number.

Ensure the *Registered Installation* option is selected.

Enter the Authorization Code.

6. Click Next.

The Select Installation Type dialog appears.

🙀 Autodesk MapGuid	le(R) Server Release 6.5 Setup				
	Select Installation Type Select the type of installation you want.				
Standard installation Installs all required components.					
	Custom installation Installs the components you select. Recommended only for advanced users.				
autodesk					
	To continue, click Next.				
	< <u>B</u> ack <u>Nextb</u> Cancel				



Ensure Standard installation is selected and click Next.
 The Select Installation Directory dialog appears.



🙀 Autodesk MapGuid	e(R) Server Release 6.5 Setup					
	Select Installation Directory Type or select an installation direct	tory.	0.51			
	C:\Program Files\Autodesk\MapGuideServer6.5\ Available space on local hard drives:				BĪOM	/se
	Volume	Disk Si	Availa	Requir	Differe	
	💷 C:	13GB	11GB	231MB	11GB	
	■ E:	9654MB	7498MB	0KB	7498MB	
autodesk	F:	29GB	11GB	0KB	11GB	
	🗐 G:	9254MB	4513MB	0KB	4513MB	
	The highlighted drives do not have components. You can remove file components. To continue, click Next.	e enough dis s on the syst	sk space for em drives o	installation r choose to	of the selecte install fewer	.d
		< <u>B</u> ac	sk [Nexb	<u> </u>	ncel

Figure 48- Select Installation Dialog Box

8. Click Next.

The Configure Autodesk MapGuide Server Settings dialog appears.

🔂 Autodesk MapGuid	le(R) Server Release 6.5 Setup				
	Configure Autodesk MapGuide Server Settings				
	Organization name to display in usage reports: RITT				
	Administrator's e-mail address (displays in client error messages):				
autodesk	New Map Author Add a user to the Authors group to enable that user to create maps with resource this server.	es from			
	User name: Image: Confirm Password: Confirm Password: 8 characters.	ngth is			
	To continue, click Next.				
	< <u>B</u> ack Ca	ncel			

- Figure 49- Autodesk MapGuide Server Dialog Box
- 9. Click Next.

The Notes for Configuring Autodesk MapGuide Server Service dialog appears.

10. Click Next.

The Oracle Client Not Detected dialog appears.

👘 Autodesk MapGuid	de(R) Server Release 6.5 Setup
	Notes for Configuring Autodesk MapGuide Server Service
	The Autodesk MapGuide Server service will run under the default System account. However, if you have data sources on another computer that you want to serve from Autodesk MapGuide Server, you need to run the service under a user account that has access to that computer. To change the account for the Autodesk MapGuide Server service, take the following steps after installation is complete:
autodesk	 In the Services window, select the Autodesk MapGuide Server service, and then click Startup. In the Log On As area, select This Account, and then specify a user account and password that has access to the data sources on the remote computer. Click OK, and then close the Services window.
	To view these instructions again after installing, run Autodesk MapGuide Server Admin, and then look up "server, configuring under user account" in the online help.
	To continue, click Next.
	< <u>B</u> ack <u>Next></u> Cancel

Figure 50- Oracle Client Not Detected Dialog Box

11. Click Next.

The Confirm Installation dialog appears.

🙀 Autodesk MapGuid	le(R) Server Release 6.5 Setup
	Confirm Installation Review the installation before proceeding.
	Current settings:
autodesk'	Installation type: Standard Components: Server Service - Install MapAgents: CGI MapAgent - Install ISAPI MapAgent - Install NSAPI MapAgent - Don't Install Server Samples - Install Tectallation directorum
	< <u>B</u> ack Cancel Cancel

Figure 51- Confirm Installation Dialog Box

12. Click Next.

The installation process starts. A progress dialog appears.

🙀 Autodesk MapGuid	e(R) Server Release 6.5 Setup	_ 🗆 🗵
	Installing	
	Autodesk MapGuide Server is being installed.	
	Copying new files File: ASMintr80A.dll_ Directory: C:\Program Files\Common File: 2577296	
autodesk		
		Cancel

Figure 52- Installation Process Dialog Box



On completion of the installation process, the Setup Complete dialog appears.

13. Click Finish.

The restart message appears.

Autodesk MapGuide(R) Server Release 6.5	×
You must restart your system for the configuration changes made to Autodesk MapGuide(R) Server Release 6.5 to take effect. Click Yes to restart now or No if you plan to restart later.	
Yes No	

14. Click Yes.

The computer reboots.

Installing the MapGuide SDF

- 1. Using the Installation Utility, select Utilities.
 - The Installation Utility screen appears.



Figure 53-Installation Utility Screen Dialog Box

2. Click SDF Component Toolkit.

The Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup – Welcome dialog appears.

🙀 Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup					
	Welcome Welcome to the SDF Component Toolkit Setup wizard.				
	The Setup wizard will install SDF Component Toolkit on your computer.				
autodesk					
	To continue, click Next.				
	Ca	ncel			

Figure 54- Autodesk MapGuide(R) SDF Component Toolkit Release Dialog Box

- 3. Click Next.
 - The Select Installation Directory dialog appears.

🙀 Autodesk MapGuid	e(R) SDF Component Toolkit Re	elease 6.5	Setup			
	Select Installation Directory Type or select an installation directory.					
	C:\Program Files\Autodesk\MapGuideSDFComTk6.5\ Available space on local hard drives:					owse
	Volume	Disk Si	Availa	Requir	Differe	
		13GB	11GB	122MB	11GB	
	■ E:	9654MB	7498MB	0KB	7498MB	
autodesk'	■ F:	29GB	11GB	0KB	11GB	
autouesk	🖃 G:	9254MB	4513MB	0KB	4513MB	
	The highlighted drives do not have components. You can remove file: components. To continue, click Next.	e enough di s on the sys	sk space fo tem drives o	r installation or choose to	of the selec install fewe	sted r
		< <u>B</u> a	ck [<u>N</u> ext>		ancel

Figure 55- Select Installation Dialog Box

4. Click Next.

The CSMap Files Detected dialog appears.

🙀 Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup				
	CSMap Files Detected			
	The Setup wizard has detected the following coordinate system files already installed on your computer:			
autodesk'	C:\Program Files\Conmon Files\Autodesk Shared\GIS\Coordsys\11c\category.csd C:\Program Files\Conmon Files\Autodesk Shared\GIS\Coordsys\11c\coordsys.csd C:\Program Files\Conmon Files\Autodesk Shared\GIS\Coordsys\11c\datums.csd C:\Program Files\Conmon Files\Autodesk Shared\GIS\Coordsys\11c\elipsoid.csd			
	Choose Yes to update your existing coordinate system files; these files will then be copied to the C:\Program Files\Common Files\Autodesk Shared\GIS\coordsys\11c\BAK000\ directory. Choose No Io use your existing coordinate system files.			
	To continue, click Next.			
	< <u>B</u> ack <u>N</u> ext> Cancel			

Figure 56- CSMap Files Detected Dialog Box

5. Ensure Yes is selected and click **Next**.

The Setup Complete dialog appears.

🙀 Autodesk MapGuid	e(R) SDF Component Toolkit Release 6.5 Setup
	Setup Complete
	SDF Component Toolkit was successfuly installed.
	Visit the Autodesk MapGuide web site at www.autodesk.com/mapguide.
autodesk	
	Click Finish to exit the Setup wizard.

Figure 57-Setup Complete Dialog Box

6. Click Finish.

After the installation process completes, the *Installation Utility* main screen reappears.

7. Click Exit.

Installing the PV4E CAD Module

The PV4E CAD Module installation is a simple process when all hardware and software requirements are met. The intuitive Setup Wizard guides the system administrator through the steps necessary to install the software product.

Tip: The Serial Number, CD Key and Authorization Code are required during the installation process. Please refer to the Registration Document included in this package. This tip only refers to when you are installing the CAD Module on MapGuide 6.0.

To start the installation

- 1. Log into the server with Administrator privileges.
- 2. Insert the PV4E CAD Module CD-ROM into your CD-ROM drive.

Click on Setup.exe file to initiate the installation.

3. .The Preparing to Install InstallShield Wizard dialog box opens.

When the InstallShield Wizard is installed, the *CAD Module Setup – Welcome* dialog opens.

PatchView for the Enterprise 4.0 - CAD Module Setup		
PatchView for the Enterprise	Welcome to the InstallShield Wizard for PV4E CAD Integration Module The InstallShield® Wizard will install PV4E CAD Integration Module on your computer. To continue, click Next.	
	< Back Next > Cancel	

Figure 58- PV4E CAD Module Setup Dialog Box

4. Click Next.

The License Agreement dialog opens.

RiT Technologies Ltd. 63 **Comment:** CAD 6.0 missing autorun. For installation requiren to execute Setup.exe file from installation CD

PatchView for the Enterprise 4.0 - CAD Module Setup	×
License Agreement Please read the following license agreement carefully.	
Press the PAGE DOWN key to see the rest of the agreement.	
Bead this carefully before installing PatchView for the Enterprizet (PV4E) software. GRANT OF LICENSE Rif Technologies Ltd. ("Rif") grants to you (a single entity), the end user, a personal, non-exclusive license to use a single cocy of the PV4E software program, including any updates, additional modules or additional software provided by Rif in connection therewith (the "Software"), solely for your own use, and solely in accordance with the terms and conditions of this icense agreement. You may copy the Software into the memory of any computer, solely as necessary to use Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will blocs. To install PV4E CAD Integration Module, you must accept this agreement.	
C Back Yes No	

- 5. Click **Yes** to continue.
 - The Select Components dialog opens.

PatchYiew for the Enterprise 4.0 - CAD Module Setup Select Components Choose the components Setup will install	×
Select the components you want to install, clear the com	ponente you do not want to instal.
✓ PV4E CAO Module 3582 K	Description This feature contains the PV4E CAD Module components and MapGuide data files that enable integration on a server.
Space Required on C: 6308 K Space Available on C: 12076880 K InstallShield CBa	ck Next> Cancel

6. Click Next.

The Check Setup Information dialog appears.

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PatchView for the Enterprise 4.0 - CAD Mod	ule Setup 🔀
Check Setup Information	
Setup has enough information to begin the file change any of the settings, click Back.	transfer apprection. If you want to review or
Setup Type CUSTOM: You select the options that	you want installed.
Destination Directory. C:\Program Files\FitT Technologies\PatchView for the Enterprice\CAD\	
PV4E Root Directory: C:\Program Files\Rift Technologies\PalchView for the Enterprise	
1	
InstallShield	
	< Back Next > Cancel

7. Click Next.

The setup process continues. A progress window opens showing the progress of the installation.

On completion of the installation, the *Installation Wizard Complete* dialog appears.

8. Click **Finish** and the computer restarts.

Leave the CD-ROM in the computer until the reboot process has completed after logging into Windows.

Note: For CAD to work, the Active X Components must have the correct settings.

MapGuide Configuration

After completing the PV4E CAD Module installation you need to configure the MapGuide application.

To configure MapGuide

From the Windows Start menu, select Programs > MapGuide Release
 6.5 > Autodesk MapGuide Server Admin.

The Autodesk MapGuide Server Admin window opens.





Figure 59- Autodesk MapGuide Server Admin Dialog Box

 From the Edit menu, select Properties. The Properties dialog opens.
P	roperties	5			×
	General	Data Sources Logging Users/Gro	oups Resources Access Keys		
	Administ	rator e-mail address:	[
	Maximur	n number of simultaneous requests:	32	<u>*</u>	
	Maximur connect	n number of cached DWG file ions:	50	<u>*</u>	
	Naster in	nage file search path:			
	C:\Prog	jram Files\Autodesk\MapGuideServert	5\Projects\Sample_World\Raster;		
	Autodes	k GIS Design Server configuration dat	a source:		
	I			Browse	
	Start the	se services before starting Autodesk N	lapGuide Server:		
	RPCSS				
		OK	Cancel Apply	Help	

Figure 60- Properties Dialog Box

- 3. Enter the value 32 into the Maximum number of simultaneous requests field.
- 4. Enter the value 50 into the Maximum number of cached DWG file connections field.
- 5. Click Apply.
- 6. Click **OK**.

Activating the Active X Component

To activate the Active X Component

- 1. Right-click on the Internet Explorer icon on the computer desktop.
- Select and click **Properties** from the drop-down menu. The *Internet Properties* dialog opens.
- Click the *Security* tab.
 The *Security Tab* Window opens.

Network Open Home Page	Internet Properties
Create Shortcut Delate Rename Properties Tosof stock	General Security Privacy Content Connections Programs Advanced Home s You can change which page to use for your home page. Address: Ifor/Page3/25From/Page4/de1002115/255232 Use Corrent Use Default Use Blank Temporary Internet files Pages you view on the Internet are stored in a special folder for quick viewing later.
le B	Delete Cookies Delete Files Settings History The History folder contains links to pages you've visited, for quick access to recently viewed pages. Days to keep pages in history. 20 🚖 Clear History

Figure 61- Security Tab Dialog Box

- 4. Select the **Internet** icon.
- Click the Custom Level button. The Security Settings dialog opens.





Figure 62- Security Settings Dialog Box

- 6. In the *ActiveX controls and plug-ins* section click the Prompt radio buttons.
- Click the **OK** button.
 The *Security Settings* dialog closes.

ernet Properties		?
ieneral Security	Privacy Content Conner	ctions Programs Advance
Select a Web cont	tent zone to specify its secur	ity settings.
		A
Internet	ocal intranet	sites
Localint	anet V	
This zone of	contains all Web sites that	Sites
are on you	r organization's intranet.	
-Security level for	this zone	
Curtor		
Custo	n om settings.	
·To	change the settings, click Cu	istom Level.
-101	use the recommended setting	ys, click Delault Level.
	Lustom Level	Default Level
	9	
		and the second

- 8. In the Internet Properties dialog, select Local Intranet.
- 9. Click Custom Level.

The Security Settings dialog opens.

- 10. In the *ActiveX* controls and plug-ins section click **Prompt** radio buttons.
- 11. Click **OK**.

The Security Settings dialog closes.

- 12. Click **OK** to close the Internet Properties dialog to complete the process.
- 13. Reboot the system.

Changing DCOM User Privileges

- 1. Open the Control Panel
- 2. Open the Administrative Tools
- 3. Open Component Services
- 4. Go to Computers\My Computer\DCOM Config\autodesk_mapguide_server
- 5. Right-click and select **Properties**
- 6. Go to the Security tab
- 7. On the Launch and Activation Permissions click Edit...
- 8. Click Add...
- 9. Click Advanced...

- 10. Click Locations...
- 11. Choose the local computer name (not a domain name) and click OK
- 12. Click Find Now
- 13. After the search completes choose the user that its name begins with IUSR_ and ends with the machine name.

For example if the machine name is MyMachine then the user name is **IUSR_MYMACHINE**

- 14 Click OK
- 15 Click OK
- 16. A new entry will appear in the Group or user names list: Internet Guest Account - select
- 18. In the Permission list below check all of the actions to enable the user local and remote launch and activation.
- 19. Repeat steps 8 to 12
- 20. But find your user name and choose it
- 21. Repeat on steps 14 to 18 on your user name
- 22. Click OK
- 23. Click OK
- 24. Repeat steps 8 to 12
- 25. This time find the **Network Service** account and choose it
- 26. Repeat steps 14 to 18 on Network Service account
- 27. Click OK
- 28. Click **OK**
- 29. You do not have to reboot your machine

Chapter 5 – PV360 Dashboard Installation

Installation of PV4E V6.0 includes installation of Dashborad on the server side.

Client Side

Changing the Web Security Settings

Please see Changing the Web Security Settings (To View ActiveX Controls) page 17.

PV360 Dashboard Configuration Instructions

Note:

The following configuration is for the <u>client side</u>

Before you can begin configuring the Dashboard functionality you must take several preliminary steps, as follows:

Select the Internet Information Services (IIS). This can be found under: **Start** > **Settings** > **Control Panel** > **Administrative Tools**.

The following IIS screens opens: Perform the following steps:

1. Select >*local computer* > *Web Sites* > *PV4E*.



Figure 63 - IIS Manager

2. Stand on **PV4E** and right-click.

🐚 Internet Information Services	s (IIS) Manager				_ 🗆 🗙
🐚 Eile Action ⊻iew Window	Help				_8×
	▶ III				,
Internet Information Services	Computer		Local	Version	Status
E 🗐 TESTLAB27 (local computer	🗊 TESTLAB27 (loc	al computer)	Yes	IIS V6.0	
FTP Sites					
Application Pools					
Default Web Site					
💽 🌧 OnLineHelp					
E 🚸 Fure					
Permissions					
Browse					
e 🍎 e New	•				
H Web Ser All Tasks					
E 🔶 Default :					
New Window	from Here				
Delete					
Refresh					
Properties					
Help					Þ
Opens property sheet for the current s	selection.				

Figure 64 - IIS Manager

3. From the context menu, right-click > **Properties**. The following *PV4E Properties* dialog box opens:

HTTP Header	s Custom Errors	ASP.NET
Virtual Director	Documents	Directory Security
The content for th	his resource should come from:	
	· A directory located on this compu	ter
	C A share located on another comp	uter
	C A redirection to a URL	
Logal path:	C:\Program Files\RiT Technologies	Patch Browse
Logal path: Script source a Bead Write Directory brow	C:\Program Files\RiT Technologies access I Log visits I Index this	Patch Browse
Logal path: Script source a Read Write Directory brow Application setting	Ct\Program Files\RiT Technologies access I Log visits I Index this sing	Patch Browse
Logal path: Script source a Read Write Directory brow Application setting Application name:	C:\Program Files\RiT Technologies access I Log visits I Index this sing	Remove
Logal path: Script source a Read Write Directory brow Application setting Application name: Starting point:	C:\Program Files\RiT Technologies access	Patch Browse resource Remove
Logal path: Script source a Read Write Directory brow Application setting Application name: Starting point: Execute germission	C:\Program Files\RiT Technologies access I Log visits I Index this sing s <default site="" web="">\PV4E Scripts only</default>	Remove

Figure 65 - PV4E Properties Window

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4. Click **Configuration**. The following *Application Configuration* box opens:

Extens	Execu	table Path		Verbs 🔺
-asax	C:\WI	NDOWS\Microso	ft.NET\Framew	GET,HEA
.ashx	C:\WI	NDOW5\Microso	ft.NET\Framew	GET,HEA
-asmx	C:\WI	NDOW5\Microso	ft.NET\Framew	GET, HEA.
•	C- (197	neows(system	Sz (mecsi v (dsp. di	
Add	1	Edit	Remove	1
	_			
<u>V</u> ildcard ap	oplication	maps (order of	implementation):	
				Insert
				Edit

Figure 66 - Application Configuration Screen

5. Look for a file with an '.asmx' extension from the *Application extensions* field box and double click. The following *Add/Edit Application Extension Mapping* screen opens:

Add/Edit Applicati	on Extension Mapping	×
Executable:	NET\Framework\v1.1.4322\aspnet_isapi.dl	Browse
Extension:	.asmx	
Verbs		
C All Verbs		
 Limit to: 	GET,HEAD,POST,DEBUG	
Script engine	exists OK Cancel	Help

Figure 67 - Add/Edit Application Extension Mapping

6. If in the *Executable* field, the version is V1.1.4322, Click **OK**. If the version is not V1.1.4322, click **Browse**. The following screen opens:

C:\WINDOWS\Microsoft.NET\Fra	mework\v1.1	4322			_ [] ×
Ele Edit Ylew Favorites Icols	Help				1
🔾 Back • 🕐 - 🍞 🔎 Search	Folders	\$ 3 × 19			
Address C:\WINDOWS\Microsoft.N	ET\Framework(v	1.1.4322			💌 🛃 Go
Name -	Size	Туре	Date Modified	Attributes	
21033		File Folder	2/8/2005 12:54 AM	N	11
ASP.NETClientFiles		File Folder	9/7/2005 10:01 AM		
CONFIG		File Folder	4/2/2006 6:37 AM		
COMUS		File Folder	2/8/2005 12:54 AM		
CTemporary ASP.NET Files		File Folder	4/2/2006 6:50 AM		
_dataperfcounters.h	1 KB	H File	2/22/2003 5:01 AM	A	
_dataperfcounters.ini	4 KB	Configuration Settings	2/22/2003 5:01 AM	A	
_NetworkingPerfCounters.h	1 KB	H File	2/22/2003 5:01 AM	A	
_Networkingperfcounters.ini	56 KB	Configuration Settings	2/22/2003 5:01 AM	A	
Accessibility.dll	8 KB	Application Extension	2/25/2003 2:42 AM	A	
🔊 alınk. di	96 KB	Application Extension	3/25/2003 7:30 AM	A	
aspnet.config	1 KB	CONFIG File	2/22/2003 5:01 AM	A	
aspnet.mof	2 KB	MOF File	2/22/2003 5:01 AM	A	
aspnet.mof.uninstall	1 KB	UNINSTALL File	2/22/2003 5:01 AM	A	
aspnet_filter.dl	24 KB	Application Extension	3/25/2003 7:30 AM	A	
aspnet_isapi.dl	252 KB	Application Extension	3/24/2005 8:41 PM	A	
aspnet_perf2.ini	520 KB	Configuration Settings	2/22/2003 5:01 AM	A	
aspnet_perf.h	5 KB	H File	2/22/2003 5:01 AM	A	
aspnet_perf.ini	522 KB	Configuration Settings	2/22/2003 5:01 AM	A	
aspnet_rc.dl	40 KB	Application Extension	2/25/2003 2:42 AM	A	
aspnet_regis.exe	20 KB	Application	3/24/2005 8:41 PM	A	
aspnet_state.exe	32 KB	Application	3/24/2005 8:41 PM	A	
aspnet_wp.exe	32 KB	Application	3/24/2005 8:41 PM	A	
assemblylist.bdt	1 KB	Text Document	2/22/2003 5:01 AM	A	
🖬 big5.nip	66 KB	NLP File	2/22/2003 5:01 AM	A	
bopomofo.nlp	81 KB	NLP File	2/22/2003 5:01 AM	A	
C_g18030.dl	214 KB	Application Extension	3/25/2003 7:30 AM	A	
CasPol.exe	92 KB	Application	2/25/2003 2:42 AM	A	-1

Figure 68 - Windows Framework Screen

 Search for folder: *c*: \WINDOWS\Microsoft.Net\Framework\v1.1.4322. Select the text from the address line and copy. Paste into the Executable line of the Add/Edit Application Extension Mapping screen.

8. Click **OK** to close all open windows.

Add/Edit Applicati	on Extension Mapping	X
Executable:	VET\Framework\v1.1.4322\aspnet_isapi.dll	Browse
Extension:	,asmx	
Verbs C All verbs C Limit to:	GET, HEAD, POST, DEBUG	
✓ Script engine ✓ Verify that file end	xists OK Cancel	Help

Figure 69 - Add/Edit Application Extension Mapping screen

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Dashboard Installation and Server Impact Information

- 1. The Dashboard installation modifies the ConfigFile.config file and installs in the GAC version 4.0 of the following files:
 - Microsoft.ApplicationBlocks.Cache.dll
 - Microsoft.ApplicationBlocks.ExceptionManagement.dll
 - Microsoft.ApplicationBlocks.ExceptionManagement.Interfaces.dll
- 2. SQL database the installation adds the new Service Pack, tables, and a view to the database
- 3. The Dashboard server communicates with the client using Web Services
- 4. Server impact beyond the installation on the server and client no additional impact is expected, not on the devices nor on the network.

For WinXP

ASP.Net will work for computers loaded with Win XP and will not require any change in configuration/setting.

.asmx files

If after selecting .asmx, from

*c:**WINDOWS\Microsoft.Net\Framework\v1.1.4322\aspnet_isapi.dll* the **OK** button is disabled, you will need to configure the extension by clicking the 'Executable' command field. This step will enable the **OK** button.

Installation

1. Insert the Dashboard installation CD into the CD Rom disk drive. The *PV360 Dashboard Client Components Setup Wizard* Window opens.

🚏 PV360 Dashboard Client Components
Welcome to the PV360 Dashboard Client Components Setup Wizard
The installer will guide you through the steps required to install PV360 Dashboard Client Components on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any potion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Next >

Figure 70 – Dashboard Client Components Setup Wizard dialog box

2. Click Next.

The Select Installation Folder Window opens.

🚏 PV360 Dashboard Client Components
Select Installation Folder
The installer will install PV360 Dashbcard Client Components to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\RiT Technologies\PatchView for the Enterprise\PV: Browse
Disk Cost
Install PV360 Dashboard Client Components for yourself, or for anyone who uses this computer:
C Everyone
C Just me
Cancel < <u>B</u> ack <u>N</u> ext >

Figure 71 – Select Installation Folder dialog box

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3. If you want to install Dashboard in another location, click **Browse** and select the location. click **OK**. Select the relevant radio button to install Dashboard to everyone who uses the machine, or just you. Click **Next** to continue.

🔂 PV360 Dashboard Client Compon	ents		_ 🗆 🗡
Confirm Installation			
The installer is ready to install PV360 Das	shboard Client Comp	ponents on your com	puter.
Click "Next" to start the installation.			
	Cancel	< <u>B</u> ack	Next >

The Confirm Installation dialog box opens

Figure 72 – Confirm Installation dialog box

4. Click **Back** to go back to the previous step or click **Next** to start the installation.

The Installing PV360 Dashboard Client Components dialog box opens.

🔂 P¥360 Dashboard Client Components	
Installing PV360 Dashboard Client Components	
PV360 Dashboard Client Components is being installed.	
Please wait	
Cancel < Back.	Next >

Figure 73 – Installing PV360 Dashboard Client Components dialog box

Once completed, and immediately after, the *Installation Complete* dialog box appears.



Figure 74 – Installing Complete dialog box

Uninstalling Dashboard

- 1. From the *Start* menu, select > **Settings** > **Control Panel**.
- 2. Select Add/Remove Programs.
- 3. Locate PV360 Dashboard from the list of programs and click **Remove**. The following Uninstall sequence is activated:

Add/Rem	ove Programs 🔀
?	Are you sure you want to remove PV360 Dashboard Client Components from your computer?
	Yes No

4. Click Yes to remove PV360 Dashboard or No to cancel.



Dashboard has been removed from your computer.

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Chapter 6 – SitePro Installation

The SitePro application is installed on your PDA via your computer using the *.cab* file supplied by RiT Technologies.

Once SitePro is loaded on to your PDA you will be able to receive a list of tasks that are assigned to you. One Work Order can be made up of several tasks, and each one can be assigned to a different technician.

SitePro requires PV4E version 5.0 and up.

Requirements

Operating System: Windows Mobile 2005 for PocketPC

Screen: QVGA Portrait (240X320)

Add-ons: Microsoft .NET Compact Framework 2.0 sp1

SitePro Installation and Configuration

To install SitePro on your PDA you must synchronize your PDA with your PC.

You will need the Microsoft .NET Compact Framework 2.0 application. This application is available as a freeware application and can be downloaded from the Microsoft site.

Once you have installed the .NET Compact Framework application, do the following: $\label{eq:starses}$

- 1. Search for the .cab file on your PC (SitePro_X_X_X.cab).
- 2. When you have located the *.cab* file, copy it from your PC to the PDA. The *.cab* location is dependent on the PDA type. The *.cab* file is activated from the PDA after it has been copied.

To enter the SitePro application you must enter a valid name and password set by your administrator.

Appendix.

The following Appendix explains how to Install .Net 3.5, SQL Server 2005 Enterprise Edition, SQL Server 2008, and Remote SQL Server.

Install Microsoft .NET 3.5

- 1. To install .NET 3.5 open the PV4E installation disk and go to the folder dotnetfx.
- 2. Open this folder and run file **dontenfx.exe**.



3. The process of installing is started.

Setup	
į)	Setup is loading installation components. This may take a minute or two.

4. License Agreement dialog box opens.

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	.5 SP1 Setup		
Welcome to Setup		.net Frame	ework
Be sure to carefully read and und license terms. You must accept th	erstand all the rights e license terms before	and restrictions described in a you can install the softwar	the e.
MICROSOFT SOF	TWARE SU	IPPLEMENTAL	÷.
Press the Page Down key to see r	more text.		Print
• I have read and ACCEPT the	terms of the License A	greement	
○ I DO NOT ACCEPT the terms of	of the License Agreem	ent	
Send information about my se Details regarding the <u>data collect</u>	tup experiences to Mi ion policy	crosoft Corporation.	
Send information about my se Details regarding the <u>data collect</u> Download File Size:	tup experiences to Mi ion policy 55 MB	crosoft Corporation.	
Send information about my se Details regarding the <u>data collect</u> Download File Size: Download Time Estimate:	tup experiences to Mi ion policy 55 MB 2 hr 15 min (56 kl 14 min (512 kbps	crosoft Corporation. aps))	

The installing process will start and may take a few minutes.

Microsoft .NET Framework 3.5 SP1 Setup	
Download and Install Progress	.net Framework
Downloading:	
Status:	
	Cancel

6. After the installation process is completed click **Exit**.

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ou must restart your computer	to complete the installation.

7. Click Restart Now.

Install SQL Server 2005 Enterprise Edition

- 1. Install MDAC 2.8 (for Windows 2000 Editions only).
- 2. Install latest windows updates.
- 3. Start the SQL Standard installation.
- 4. Select the Server components... link in the Install Section

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5. Select the *License Agreement* checkbox and click **Next**.

💹 Microsoft SQL Server 2005 Setup	×
End User License Agreement	
MICROSOFT SOFTWARE LICENSE TERMS	
MICROSOFT SQL SERVER 2005 STANDARD AND ENTERPRISE EDITIONS	1
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	1
I accept the licensing terms and conditions	
Print Next > Cancel	

6. Click Install.



🔀 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:	<u> </u>
Microsoft SQL Native Client	
Microsoft SQL Server 2005 Setup Support Files	
Click Install to continue.	
	-
Install Car	cel

🐱 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:	4
Microsoft SOL Native Client	
Microsoft SQL Server 2005 Setup Support Files	
The required components were installed successfully.	
	Y
	cel

8. Click Next.



1 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 Cancel	

9. Verify there are no errors and click **Next**.

🖥 Mic	Microsoft SQL Server 2005 Setup		
Sys \ F	System Configuration Check Wait while the system is checked for potential installation problems.		
	Success	15 Total 14 Success	0 Error 1 Warning
<u>D</u> eta	ails:		
	Action	Status	Message 🔺
	Pending Reboot Requirement	Success	
0	Performance Monitor Counter Require	Success	
0	Default Installation Path Permission Re	Success	
0	Internet Explorer Requirement	Success	
0	COM Plus Catalog Requirement	Success	
0	ASP.Net Version Registration Require	Success	
0	Minimum MDAC Version Requirement	Success	
0	Edition Change Check	Success	
			•
	Fil <u>t</u> er 🔻	<u>S</u> top	<u>R</u> eport v
	Help		Next >

10. Insert Name and Company information and click Next

Microsoft SQL Server 2005 Setup		×
Registration Information The following information will personalize your installation).	G
The Name field must be filled in prior to proceeding. The	Company field is optional	
N <u>a</u> me:		
Rit Technologies itd.	ingebituuu t	
Company:		
RiT Technologies ltd.		
Please enter your 25 character Product Key, You can fin sticker in the CD liner notes or the CD sleeve.	d this number on the yeld	w.
Help Cox Factor	Next > Car	vel

11. Click Advanced

🖟 Microsoft SQL Server 2005 Setup	×
Components to Install Select the components to install or upgrade.	
SQL Server Database Services	
Create a SQL Server failover cluster	
Analysis Services	
Create an Analysis Server failover cluster	
Reporting Services	
Notification Services	
Integration Services	
\square Workstation components, Books Online and development tools	
For more options, click Advanced.	Advanced
	Cancel

12. Select the Entire *Database Services* and *Client Components* features and click **Next**.

🔂 Microsoft SQL Server 2005 Setup	×
Feature Selection Select the program features you want installed.	
Click an icon in the following list to change how a feature	e is installed.
Database Services Analysis Services Analysis Services X Reporting Services X Notification Services Integration Services Integration Services Occumentation, Samples, and Sample D	Feature description Installs management tools, development tools, and legacy components. This feature requires 395 MB on your hard drive. It has 6 of 6 subfeatures
	selected. The subfeatures require 907 MB on your hard drive.
C:\Program Files\Microsoft SQL Server\	Browse
	Disk Cost
Help < Back	Next > Cancel

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13. Select *Default Instance* radio button and click **Next**.

i₽ Microsoft SQL Server 2005 Setup	×
Instance Name You can install a default instance or you can specify a named instance.	
Provide a name for the instance. For a default installation, click Default instance and click Next. To upgrade an existing default instance, click Default instance. To upgrade an existin named instance select Named instance and specify the instance name.	g
Default instance Named instance	
<u>H</u> elp < <u>B</u> ack <u>N</u> ext > Cancel	

14. Select the *use the built-in system account* option and select *Local System* for the account and click **Next**.

🚰 Microsoft SQL Server 2005 Setup	×
Service Account Service accounts define which accounts to log	in. 🚺
<u>Customize for each service account</u> <u>Service:</u>	
	T
Output Use the built-in System account	Local system
C Use a domain use <u>r</u> account	
Username:	
Password:	
Domain:	
Start services at the end of setup	
SQL Server	
SQL Browser	
Help < Bac	k Next > Cancel

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15. Select the *Mixed Mode* authentication option, enter a password to the database and click **Next**.

🙀 Microsoft SQL Server 2005 Setup	×
Authentication Mode The authentication mode specifies the security used when connecting to SQL Server.	
Select the authentication mode to use for this installation.	
 ○ Windows Authentication Mode ⓒ Mixed Mode (Windows Authentication and SQL Server Authentication) 	
Specify the sa logon password below: Enter password:	
**** Confirm password: ****	
Help < Back Cancel	

16. Leave the default collation selection as is and click **Next**.

🔂 Microsoft SQL Server 2005 Setup		×
Collation Settings Collation settings define the sorting behav	ior for your server.	
Collation settings for service: SQL Server		
C Collation designator and sort order:		
Latin1_General	V	
Binary	🗖 Binary - code point	
Case - sensitive	🔲 Kana - sensitive	
Accent - sensitive	🔲 Width - sensitive	
EQL collations (used for compatibility with	n previous versions of SQL Server)	
Binary order based on code point comparis Strict compatibility with version 1.x case-in Dictionary order, case-sensitive, for use w Dictionary order, case-insensitive, for use Dictionary order, case-insensitive, unnerci	son, for use with the 850 (Multilingual) isensitive databases, for use with the with 1252 Character Set. with 1252 Character Set. ase preference. for use with 1252 Ch	▲ ■
Help <	Back Next > Ca	ancel



17. Select the *Enable User Interface* and click **Next**.

🚏 Microsoft SQL Server 2005 Setup	×
User Instances Configure Run As Normal User mode.	
Allow users who do not have administrator privileges to run a separate instance of th Database Engine.	e
I Enable User Instances	
Help < Back Next > Ca	ncel

18. Remove the selection from both check boxes (if selected) and click **Next**.

🛱 Microsoft SQL Server 2005 Setup	×		
Error and Usage Report Settings Help Microsoft improve some of the SQL Server 2005 components and services.			
Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.			
Automatically send Feature Usage data for SQL Server 2005 to Microsoft, Usage data includes anonymous information about your hardware configuration and how you use our software and services.			
By installing Microsoft SQL Server 2005, SQL Server and its components will be configured to automatically send fatal service error reports to Microsoft or a Corporate Error Reporting Server. Microsoft uses error reports to improve SQL Server functionality, and treats all information as confidential.			
Help Cancel			



19. Click Install.

🔂 Microsoft SQL Server 2005 Setu	ıp		X
Ready to Install Setup is ready to begin installation	۱.		
Setup has enough information to st change any of your installation set	art copying the pr tings, click Back. T	rogram files. To proci o exit setup, click Ca	eed, click Install. To Incel.
The following component SQL Server Databas (Database Services, Replica Client Components (Connectivity Components, N 	s will be insta se Services tion, Full-Text 9 Management St	illed: Search) tudio Express)	
Help	< <u>B</u> ack	Install	Cancel

20. Verify that all products were installed and click **Next**.

💹 Microsoft SQL Server 2005 Setup		×
Setup Progress The selected components are being configu	ured	
Product	Status	
MSXML6	Setup finished	
SQL Setup Support Files	Setup finished	
SQL Native Client	Setup finished	
SQL VSS Writer	Setup finished	
SQL Server Database Services	Setup finished	
SQL Server Management Studio Express	Setup finished	
Workstation Components, Books Onlin	Setup finished	
Help	<< Back	ancel



21. Click **Finish** and reboot the machine.

Microsoft SQL Server 2005 Setup
Completing Microsoft SQL Server 2005 Setup
Setup has finished configuration of Microsoft SQL Server 2005
Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard.
Summary Log
To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the
Surface Area Configuration tool.
Configuring and Managing SQL Server
Express For improved manageability and security SQL
Server 2005 provides more control over the SQL
Server surface area on your system. To minimize
the surface area, the following default
configurations have been applied to your
o TCP/IP connections are disabled
<u>Einish</u>

- 22. After the machine reboots install the relevant Service Pack as describe in the Service Pack section.
- 23. After installing the Service Pack you can configure the SQL Server.

Installation of SQL Server 2008

- 1. SP2 for the Windows 2003 must be installed.
- 2. Start the SQL Standard installation
- SQL Server Installation Center window will open

SQL Server Installation Center	
Planning	New SQL Server stand-alone installation or add features to an existing installation
Installation	Launch a wizard to install SQL Server 2008 in a non-clustered environment or to add features to an existing SQL Server 2008 instance.
	New SQL Server failover cluster installation
oois	Launch a wizard to install a single-node SQL Server 2008 failover cluster.
esources	Add node to a SQL Server failover cluster
dvanced	Figure 2008 failover cluster.
ptions	Upgrade from SOL Server 2000 or SOL Server 2005
	Launch a wizard to upgrade SQL Server 2000 or SQL Server 2005 to SQL Server 2008. Before you upgrade, you should run the Upgrade Advisor to detect potential problems.
	Search for product updates
(V Search Microsoft Update for SQL Server 2008 product updates.

- 3. Select Installation on the left part of the window
- 4. Click on "New SQL server stand-alone installation..."

SQL Server 2008 Setup dialog opens

🚼 SQL Serv	ver Installation Center			_D×		
Planning		New SQL Server stand-alone installation or	add features to an existing	installation		
Installa	SQL Server 2008 Setup	Launch a wizard to install SOL Server 2008 i	n a non-clustered environm	ent or to add features to an	- O ×	
Maintena Tools Resource	Setup Support Rules Setup Support Rules identify problems	that might occur when you install SQL Serv	ver Setup support files. Fai	lures must be corrected		
Advance Options	Setup Support Rules	Operation completed. Passed: 6. Failed 0 Show details >> Yew detailed report). Warning (). Skipped ().		<u>R</u> e-run	
٦						
				OK Cancel	Help	
🏄 Start 🗍	🞯 🧔 🗐 🛛 🕄 My Computer	SQL Server Installation C	QL Server 2008 Setup	🦉 untitled - Paint		🔮 📸 🌺 🄗 4:45 PM

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It checks all the supported rules

- 5. Click OK.
- 6. Enter the product key to the appropriate field.

🚼 SQL Server 2008 Setup	the second s	
Product Key Specify the edition of SQL S	erver 2008 to install.	
Product Key License Terms Setup Support Files	Specify a free edition of SQL Server or provide a SQL Server product key to 2008. Enter the 25-character key from the Microsoft certificate of authenticit specify Enterprise Evaluation, the instance will be activated with a 180-day of edition to another edition;	validate this instance of SQL Server ty or product packaging. If you expiration. To upgrade from one
	< <u>B</u> r	ack Next > Cancel

7. Click Next.

SQL Server 2008 Setup		J×
License Terms To install SQL Server 2008,	you must accept the Microsoft Software License Terms.	
Product Key License Terms Setup Support Files	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2008 STANDARD EDITION These license terms are an agreement between Microsoft Corporation (or based on where you like, 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, • updates, • internet-based services, and • support services for this software, unless other terms accompany those items. If so, those terms apply. By USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE, INSTEAD, RETURN IT TO THE RETAILER FOR A REFUND OR CREDIT. If you cannot obtain a refund there, contact Microsoft or the Microsoft affiliate services	1
	Copy Bri	nt
	<back next=""> Cancel</back>	



8. Accept the agreement and click Next.

🚼 SQL Server 2008 Setup			
Setup Support Files Click Install to Install Setup Su	pport files. To install or update SQL Ser	ver 2008, these files are required.	
Product Key	The following components are	required for SQL Server Setup:	
License Terms	Feature Name	Status	
Setup Support Files	Setup Support Files		
	<u></u>		
		< <u>B</u> ack	Install Cancel

9. Click Install.

😭 SQL Server 2008 Setup		
Setup Support Rules Setup Support Rules identify pr before Setup can continue.	roblems that might occur when you install SQL Server Setup support files. Failures must be corrected	
Setup Support Rules Feature Selection Disk Space Requirements Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Operation completed. Passed: 10. Failed 0. Warning 0. Skipped 1. Show details >> Wew detailed report	Rerrun
	< Back Next > Cancel	Help



11. In Feature Selection dialog select the checkboxes as appears on the following screenshot



12. Click Next.

SQL Server 2008 Setup					
Instance Configuration	n for the SQL Server instance.				
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install	© Default instance © Ngmed instance: Instance ID: Instance toot directory SQL Server directory:	MSSQLSERVER MSSQLSERVER : C:\Program Fil C:\Program Fil	es{Microsoft SQL Serve es}Microsoft SQL Serve	rt	
Installation Progress Complete	Installed instances:	Features	Edition	Version	Instance ID
			< Back	<u>N</u> ext >	Cancel Help

13. Click Next.





Specify the configuration.					
Setup Support Rules Feature Selection Instance Configuration	Service Accounts Collation	use a separate account for each SQI	. Server service.		
Disk Space Requirements	Service	Account Name	Password	Startup Typ	е
Server Configuration	SQL Server Agent			Manual	•
Jatabase Engine Configuration	SQL Server Database Engine			Automatic	-
nstallation Progress Complete	These services will be configure older Windows versions the user Help	d automatically where possible to us r will need to specify a low privilege	e a low privilege account. For m	account. On son ore information, c	ie lick
installation Progress Complete	These services will be configure older Windows versions the user Help. Service	d automatically where possible to us r will need to specify a low privilege Account Name	e a low privilege account. For m Password	account. On son ore information, c Startup Typ	ie lick
installation Progress Complete	These services will be configure older Windows versions the user Help. Service SQL Server Browser	d automatically where possible to us r will need to specify a low privilege Account Name NT AUTHORITY LOCAL S	e a low privilege account. For m Password	account. On son ore information, c Startup Typ Disabled	ick s

15. Click "Use the same account ... "



16. In the open dialog window enter the name and the password of the user account.

					-
Server Configuration Specify the configuration.					
Setup Support Rules Feature Selection Instance Configuration	Service Accounts Collation	e a separate account for each	SQL Server service.		
Disk Space Requirements	Service	Account Name	Password	Startup Type	
erver Configuration	SQL Server Agent			Manual	۲
atabase Engine Configuration	SQL Server Database Engine			Automatic	-
	Specify a user name and passwo Account Name:	ord for all SQL Server service a	ccounts.		
	A CONTRACTOR OF A CONTRACTOR O			Browse	•
	Password:			Browse	
	Password:			Browse	
	Password:	or the SQL Server Agent servic were provided for the SQL Serv	OK	Browse Cancel	• id

- 17. Click Next.
- 18. In the opened dialog window **Database Engine Configuration** select the Mixed Mode option and enter the password

🚼 SQL Server 2008 Setup		
Database Engine Config	uration	53
Specify Database Engine authenticat	ion security mode, administrators and data directories.	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Account Provisioning Data Directories FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode ••• © Mixed Mode (SQL Server authentication and Windows authentication) Built-in SQL Server system administrator account Enter password: ••• Confirm pass ••• Specify RU Server administrators SQL Server administrators Square administrators SQL Server administrators	
	Add Current User Add Remove	
	< Back Next > Cancel Help	

19. Click Add Current User

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Database Engine Configu Specify Database Engine authenticati	iration on security mode, administrators and data directories.	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Account Provisioning Data Directories FILESTREAM Specify the authentication mode and administrators for the Database Authentication Mode • Windows authentication mode • Windows authentication mode • Mixed Mode (SQL Server authentication and Windows authentication Built-in SQL Server system administrator account Enter password: Enter password: Specify SQL Server administrators VW-19E28D7C9845(Administrator (Administrator) Add Current User Add Remove	se Engine. ation) SQL Server administrators have unrestricted access to the Database Engine.

SQL Server 2008 Setup			
Error and Usage Repo	rting		
Help Microsoft improve SQL Server features and services.			
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL. Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates though Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. Yiew the Microsoft policy for SQL Server privacy and data collection.		
Database Engine Configuration			
Installation Rules Ready to Install Installation Progress Complete	Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.		
	Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use Microsoft software and services.		
	< <u>Back</u> <u>N</u> ext > Cancel Help		

20. Click Next.



SQL Server 2008 Setup		
Ready to Install Verify the SQL Server 2008 featu	res to be installed.	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Ready to install SQL Server 2008: Summary Edition: Standard Action: Install General Configuration Peatures Database Engine Services SQL Server Replication Management Tools - Complete Instance Configuration Instance Configuration Instance Configuration Instance Dir MSSQLSERVER Instance Dir MSSQLSERVER Instance Dir MSSQLSERVER Instance Dir HSSQLSERVER Instance Dir HSSQLSERVER Unstance Dir HSSQLSERVER Unstance Dir HSSQLSERVER Usage Reporting Shared component toot directory Shared component toot directory Shared component toot directory Usage Reporting Usage Reporting Usage Reporting Usage Reporting: False Error and Usage Reporting: False Error and Usage Reporting: False Pagerit Configuration file path: Configuration file path:	*
	Configuration file path: [C:\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20090909_163657\ConfigurationFile.in <a href="https://www.serverlinestylestylestylestylestylestylestylestyl</td> <td>Help</td>	Help

22. Click Install.

23. Wait for several minutes until the installing process is finished.





Installation Progress		
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration	Setup process complete	
Database Engine Configuration	Feature Name	Status
irror and Usage Reporting	Database Engine Services	Success
nstallation Rules	SQL Server Replication	Success
eady to Install	Management Tools - Complete	Success
nstallation Progress	Management Tools - Basic	Success
		Vext > Cancel Help


- 25. Click Close.
- 26. After the installation of the SQL Server 2008 enable the **Named Pipes** and **TCP/IP** protocols via **SQL Server Configuration Manager**.

🏦 SQL S	ierver Installation Center		
Plannir Install Mainte Tools Resou Advan Optior	ng abbon inance icces icced is	System Configuration Checker Launch a tool to check for conditions that prevent a successful SQL Server installation. Installed SQL Server features discovery report Wew a report of all SQL Server 2000, SQL Server 2005, and SQL Server 2008 products and features that are installed on the local server. Upgrade Integration Services packages Launch the SQL Server Integration Services Package Upgrade Wizard to upgrade SQL Server 2005 Integration Services package format.	
	Set Program Access and Default Windows Catalog Windows Update	SQL Server 2008 Please wait while SQL Server 2008 Setup processes the current operation.	
Windows XP Professional	Programs Documents Settings Search Help and Support Run Log Off Administrator Turn Off Computer	Accessories Games Game	
🛃 Start	🚽 My Computer	SQL Server Installation C 📸 SQL Server 2008	🗧 < 🕖 🦁 3



PV4E Issues

During a remote installation of PV4E Server (PV4E Server on machine A and SQL Server on Machine B), the SQL Server will install a client application in the PV4E server:

1. Click Next.





2. Accept the license aggrement and click Next.

🖗 Microsoft SQL Server Native Client Setup 🛛 🛛 🔀			
License Agreement Please read the following license agreement carefully.			
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS			
Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. If you are licensed to use Microsoft SQL Server software (for which this supplement is applicable) (the "software"), you may use this supplement. You may not use it if you do not have a license for the software.			
I gccept the terms in the license agreement I go not accept the terms in the license agreement			
< <u>B</u> ack <u>N</u> ext > Cancel			

3. Insert Name & Company info and click Next.

🙀 Microsoft SQL Server Native Client Setup	×
Registration Information The following information will personalize your installation.	
Enter your name and the name of your organization in the fields below.	
Name:	
Administrator	
Company:	
< <u>B</u> ack <u>N</u> ext > Can	cel

4. Select the entire *Client Components* features and click **Next**.

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🖶 Microsoft SQL Server Native Client Setup	×
Feature Selection Select the program features you want installed.	
Click an icon in the following list to change how a feature i	is installed. Feature description Microsoft SQL Server Native Client
Installation path	Browse, Disk Cost
< <u>B</u> ack	Next > Cancel

5. Click Install.



6. Click Finish.



7. After installing the SQL Client Components, the PV4E installation will continue as normal.

Configuring MSDTC

After the PV4E installation is completed, the MSDTC (only for windows XP, 2003 and above) setting must be configured in order to work in remote configuration.

The MSDTC Settings should be set in the PV4E Server and the SQL as follow:

- 1. Go to Start → Run and insert the following C:\WINDOWS\system32\Com\comexp.msc
- After the Component Services window is displayed go to Component Services → Computers → My Computer
- 3. Right click *My Computer* and select **Properties**.
- 4. Select the **MSDTC** tab
- 5. Press the Security Configuration
- 6. Set the Security as follows:

Security Configuration	? ×			
Security Settings				
Client and Administration Image: Allow Remote Clients Image: Allow Remote Administration				
Transaction Manager Communication				
C Mutual Authentication Required				
Incoming Caller Authentication Required No Authentication Required				
Enable Transaction Internet Protocol (TIP) Transactions				
Enable 🖂 Transactions				
DTC Logon Account Account: NT Authority\NetworkService Browse				
Pagsword:				
Confirm password:				
OK Cancel				

- 7. Click OK to save your settings and reboot the server
- 8. After applying the settings for both servers (PV4E & SQL) you are ready to work in remote configuration.

SQL Server 2005 Service Pack 1 Installation

- 1. Run the installation package to start the installation
- 2. Click Next.

crosoft SQL Server 2005 Service Pack 1 Setup	
Welcome	
	_
Welcome to the SQL Server 2005 Service Pack 1 Setup.	
This setup program provides updates for the following SQL Server 2005 features. To see the description of a feature, click on the feature. To continue, click Next.	
SQL Server 2005 Features	
SQL Server Native Client	
📄 SQL Server Native Client (64-bit)	
📱 Setup Support Files	
🗧 Database Services	
🗄 Analysis Services	
Notification Services	-
I II Reporting Services	
KB Article: http://support.microsoft.com/?kbid=913090	
	-
Service Pack for Microsoft SUL Server Native Llient.	-
<< <u>B</u> ack Cance	

3. Accept the License Agreement by selecting the check box and click **Next.**

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osoft SQL Server 2005 Service Pack 1 Setup End User License Agreement		
Please accept the terms of the license agreement and then click Next. Click Cancel to exit.		
PLEASE NOTE:		
For supplement obtained from server manufacturer or software installer. The server manufacturer, or the software installer, that distributes the software with the server licenses this supplement in you. You may use a copy of this supplement with each validly licensed copy of Microsoft SQL Server 2005 software (the "software"). You may not use the supplement if you do not have a license for the software. The license terms for the software apply to your use of this supplement. Contact the manufacturer or installer for support options. Refer to the support number provided with the software.		
For supplement obtained from retailer. Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. You may use a copy of this supplement with each validly licensed copy of Microsoft SQL Server 2005 software (the "software"). You may not use the supplement if you do not have a license to the software. The license terms for the software apply to your use of this supplement. Microsoft provides support services for the supplement a described at www.support.microsoft.com/common/international.aspx.		
Z	-	
ZZ Back Maulton Cancel		

4. Leave all default selections and click Next.

Microsoft SQL Server 2005 Service Pack 1 Setup				
Feature Selection				
This setup program detected the following SQL Server 2005 features. Select the program features that you would like to update. To see the details of a feature, click on the feature.				
Image: Second				
Details				
<< <u>B</u> ack <u>N</u> ext>> Cancel				

5. Insert valid authentication info and click Next.

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Microsoft SQL Server 2005 Service Pack 1 Setup				
Authentication Mode				
Select the authentication mode that Setup should use to connect to SQL Server. If you select SQL Server Authentication, enter the sa password.				
All instances				
○ <u>W</u> indows Authentic	ation			
SQL Server Auther	ntication			
Password:				

C Advanced (provide auther	ntication for each instance)			
Product	Instance	Authentication		
🗧 Database Services	MSSQLSERVER	SQL		
		<u>E</u> dit		
	<< <u>B</u> ack	Next >> Cancel		

6. Click Install.

Microsoft SQL Server 2005 Service Pack 1 Setup	
Ready to Install	
Setup has enough information to apply the Service Pack.	
To review or change any settings, click Back. If you are satisfied with the settings, click Install to proceed with the Service Pack Setup.	
<< Back Cancel Cancel	

7. Leave all default selections and click Next.

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Installation Progress Please wait while the Service Pac	sk installation is in progr	ess.
Product	Instance	Status
SQL Server Native Client Setup Support Files Database Services Client Components MSXML 6.0 Parser SQLXML4 Backward Compatibility Microsoft SQL Server VSS	MSSQLSERVER	Success Success Success Success Success Success Success Success
Service Pack Completed Progress		
	<< <u>B</u> ack.	Cancel

8. Verify that all products were installed and click Finish.

Microsoft SQL Server 2005 Service Pack 1 Setup			
Installation Co	mplete		
SQL Server 2005 For more details o View Log File. To	i Service Pack 1 Setup has co on this installation, select an in o exit Setup, click Finish.	ompleted. stance and then click	
Product	Instance	Status	
📑 SQL Server N	ative Client	Success	
🗧 Setup Suppor	t Files	Success	
🗧 Database Ser	vices MSSQLSEF	RVER Success	
🗧 🗧 Client Compor	nents	Success	
🗧 MSXML 6.0 P	arser	Success	
		Success	
- Dotaile		View Log	g File
			^ V
			Finish



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Installation Checklist

Item	Completed (✓)	
Pre-requisites		
SQL Server 2005 Standard Edition		
Service Pack for SQL		
SQL Configuration		
Change Web Security Settings		
Check Services required for Installation		
PV4E		
License Registration number		
PV4E Installation		
SP or Hotfix as needed		
Installation verification		
Sanity Analyzer		
Running PV4E		