Procedure to Setup Microsoft SQL Server 7.0

Insert Microsoft SQL server 7.0 CD in the CD Drive Or Go to Start \rightarrow Run and type F:\autorun.exe in (Where F is the CD Drive name)

It will display a screen as shown below



Click the option "Install SQL Server 7.0 Components" above. This will install all the components of SQL Server 7.0. It will then display a screen as shown below.

Click the option "Database Server – Desktop Edition" to install the Desktop edition of SQL Server



SQL Server will start to install on your machine. Select the installation method "Local Install – Install to the Local Machine" as shown below and click "Next >"



Click "Next>" in the "Welcome" screen to continue installation.

Welcome	×			
	Welcome to the Microsoft SQL Server 7.0 Setup program. This program will install Microsoft SQL Server 7.0 on your computer.			
	It is strongly recommended that you exit all Windows programs before running this Setup program.			
	Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.			
	WARNING: This program is protected by copyright law and international treaties.			
	Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.			
	(Back Next) Cancel			

Click "Yes" to accept the Software License Agreement in the wizard below.

Software L	icense Agreement 🛛 🔀
æ	Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.
END-US SERVER IMPORT, agreemen for the M and may documer may acco OTHER OTHER THE TEF EULA, D HOWEV	ER LICENSE AGREEMENT LICENSE FOR MICROSOFT SERVER PRODUCTS ANT-READ CAREFULLY: This End-User License Agreement ("EULA") is a legal int between you (either an individual or a single entity) and Microsoft Corporation icrosoft software product identified above, which includes computer software include associated media, printed materials, and "online" or electronic itation ("SOFTWARE PRODUCT"). An amendment or addendum to this EULA ompany the SOFTWARE PRODUCT. BY INSTALLING, COPYING, OR VISE USING THE SOFTWARE PRODUCT, YOU AGREE TO BE BOUND BY RMS OF THIS EULA. IF YOU DO NOT AGREE TO THE TERMS OF THIS O NOT INSTALL OR USE THE SOFTWARE PRODUCT; YOU MAY, ER, RETURN IT TO YOUR PLACE OF PURCHASE FOR A FULL REFUND. TWARE PRODUCT is extended by convicted langestigated convicts
Do you ad will close.	ccept all the terms of the preceding License Agreement? If you choose No, Setup
	< <u>B</u> ack <u>Y</u> es <u>N</u> o

User Information		×
	Enter your name below. It is not necessary to enter a company name.	
	N <u>a</u> me: GE	
E,	Company: GE	
	< <u>B</u> ack <u>N</u> ext > Cancel	

Enter the User Information below and click "Next>"

In the screen shown below select Setup type as "Typical", to install the most common options for SQL Server 7.0 to run and click "Next>".

Please note that by default, Setup tries to install the software in the destination

Setup Type			×	
Click the type of Setup you prefer, then click Next.				
• <u>T</u> ypical	Installed with the most common options. Recommended for most users.			
○ <u>M</u> inimum	Installed with minimum required options.			
O <u>C</u> ustom	C <u>C</u> ustom You may choose the options you want to install. Recommended for advanced users.			
E Destination Fol	lder			
Program Files	Browse C:\MSSQL7			
Data Files	Browse C:\MSSQL7			
-		Required:	Available:	
	Space on program files drive :	82753 K	1044414 K	
	Space on system drive:	66855 K	1044414 K	
	Space on data files drive:	30597 K	1044414 K	
	<u>H</u> elp < <u>B</u> ack	<u>N</u> ext >	Cancel	

folder C:\MSSQL7. In case you wish to install SQL7.0 in any other drive, specify the desired destination folder name for installing the "Program Files" and "Data Files" by clicking the "Browse" button.

Files" by clicking the "Browse" button. This will display a screen as shown below. Now select the desired folder and click OK to continue installation.

Choose Folder		×	
Please choose the installation folder.			
<u>P</u> ath:			
C:\MSSQL7			
<u>D</u> irectories:			
C:\ CIMPLICITY CE_PMCS Pegasys Program Files TEMP	OK Cancel		
Dri⊻es: I≡ c:	▼ Network		

Click "Next>" in the screen shown below to continue

Services Accounts					
Use the same account for each service. Auto start SQL Server Service.					
C Customize the settings for each	h service.				
Services	Service Settings				
C SQLServer	Use the Local System account				
C SQL Server Agent	O Use a Domain Use <u>r</u> account				
	Username: Administrator				
Password:					
Domain: INSTALLTEST					
Auto Start Service					
<u>H</u> elp < <u>B</u> ack <u>N</u> ext > Cancel					

Click "Next>" to start copying the files

Start Copying Files		x
	Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.	
	< <u>B</u> ack <u>Next></u> Cancel	

Click "Finish" below to complete setup.

Setup Complete	
	Setup has finished installing Microsoft SQL Server 7.0 on your computer.
	Click Finish to complete Setup.
	< Back Finish

Restart your computer.

Procedure to install SQL Server 7.0 Service Pack2

1. Insert the CD containing SQL Server Service Pack2 into the CD Drive Double click the file: SQL70SP2i.exe

This file is a self-extracting exe. When double clicked, it will prompt the user to specify a folder into which it will copy or extract the files. If the folder name does not exist, it will create the folder and extract all the files into that directory.

Installation Folder	×
	Please enter the folder where the files should be unpacked. If the folder does not exist, you will be prompted to create it. Installation Folder
	Br <u>o</u> wse
InstallShield	
	Finish Cancel

Click Finish

It will extract all the files into the folder specified above.

PackageForTheWeb 🗙
The package has been delivered successfully.

Click OK above to finish installation

2. Again, insert the CD containing SQL Server Service Pack2 into the CD Drive Double click the file: SQL700LAPSP2i.exe

This file is also a self-extracting exe. When double clicked, it will prompt the user to specify a folder into which it will copy or extract the files. Specify the same folder name used to extract the file SQL70SP2i.exe. (For example: **C:\SP2** as shown above). Overwrite all the files when it prompts that there exists same file by clicking "Yes to All".

3. Now go to t he folder into which the files have been extracted. (For example C:\SP2) and double click the file "**Setup.bat**". Setup will start to install the service pack2.

Connect to Server	×
	Select the authentication mode setup should use to connect to SQL Server.
	C The <u>SQL</u> Server system administrator login information (SQL Server authentication)
	Enter password for the sa login:
, Q	The <u>Windows NT</u> account information I use to log on to my computer with (Windows NT authentication)
	< <u>B</u> ack <u>Next</u> > Cancel

- 4. Click "Next>" above
- 5. It will then display the "Software License Agreement" screen. Accept it by clicking "Yes" below

oftware License Agreement 🛛 🔀				
Please read the following License the rest of the agreement.	Agreement. Pr	ess the PAGE D	OWN key to see	
Service Pack 2 ("Service Pack") contains of Microsoft SQL Server 7.0 and Microsoft Dat	updates to: ta Engine (MSD)E) 1.0	_	
IMPORTANT: READ CAREFULLY - The Microsoft Corporation ("Microsoft") software product updates listed above, including any electronic documentation ("Updates"), are subject to both the terms and conditions of the agreement (an "End User License Agreement" or "EULA") under which you (an individual or an entity) have licensed a Microsoft software product identified below (each, a "SOFTWARE PRODUCT") and the terms and conditions of this Service Pack End User License Agreement ("Service Pack EULA"). Capitalized terms used and not otherwise defined herein shall have the meanings assigned to them in the EULA.				
BY INSTALLING, COPYING OR OTHERWISE USING THE UPDATES OR ANY PART THEREOF, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE				
Do you accept all the terms of the preceding License Agreement? If you choose No, Setup will close. To install Service Pack 2, you must accept this agreement.				
	< <u>B</u> ack	Yes	<u>N</u> o	

6. Click "Next>" in the Welcome screen below to continue installation

Welcome	×				
	Welcome to the Service Pack 2 Setup program. This program will install Service Pack 2 on your computer.				
It is bef	strongly recommended that you exit all Windows programs ore running this Setup program.				
Clic	Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.				
WA inte	RNING: This program is protected by copyright law and mational treaties.				
Una port will	authorized reproduction or distribution of this program, or any ion of it, may result in severe civil and criminal penalties, and be prosecuted to the maximum extent possible under law.				
	<u>Next</u> > Cancel				

7. Setup will now start to copy files. Click "Next>" to continue

Start Copying Files	×
	Setup has enough information to start copying the program files. Click Next to begin copying the files.
	< <u>B</u> ack <u>Next></u> Cancel

8. When "Next>" is clicked above, setup will start applying the SQL Server 7.0 Service Pack2. Installation will display the following screen after it finishes copying the necessary files. Restart the computer to apply the changes.

Setup Complete				
	Setup has finished copying files to your computer. Before you can use the program, you must restart Windows or your 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.			
	< <u>B</u> ack Finish			

After restarting the computer, you will see a small icon as shown below (in green color) on the Task Bar (to the extreme right), which indicates that the SQL Server

1954

is running on your system.

Make sure that this SQL server service is always running.

On the Task Bar, if you see an icon as shown below (in red color), it indicates that SQL server is not running. This is an error condition and make sure that it is always running.



To start the service, Double Click on the icon



Click the button "Start/Continue" to start SQL server.

Also make sure that the option "Auto –start service when OS starts" is checked. This will enable the service to start automatically whenever you restart the computer.

Procedure to setup a SQL Database for GE PMCS EventServer

I. Creating a new database for logging events generated by Event Server

1. Invoke SQL Server Enterprise Manager through Start \ Programs \ Microsoft SQL Server 7.0\ Enterprise Manager.

📅 SQL Server Enterprise Manager - [Consc	ole Root\Mic	rosoft SQL Se	rvers\SQL S	erver Group\IN	IS 💶 🗆 🗙
] 🛱 <u>C</u> onsole <u>W</u> indow <u>H</u> elp					_ Ð ×
🛛 Action View Iools 🗍 🖙 🔿 🔃 💽	i X 🖻 🛛	3 😫 米	🚯 👂	D 💽 🔁 🚺	
	6 Items				
Console Root Microsoft SQL Servers SQL Server Group SQL Server Group INSTALLTEST (Windows NT) The Databases The The The The The The The The The The	master	model	msdb	Northwind	pubs
Done	<u> </u>				

2. Right Click on **Databases** and select "**New Database…**" (or from the menu by selecting **Action** → **New Database**)

📅 SQL Server Enterprise Manager -	[Console Root\Mic	rosoft SQL Se	ervers\SQL S	erver Group\IN	IS 💶 🗙
∫ ∰ <u>C</u> onsole <u>W</u> indow <u>H</u> elp					_ 8 ×
] <u>A</u> ction <u>V</u> iew <u>T</u> ools]	🗈 💽 🗙 💣 🕻) 😫 🛛 🔸	· 🔝 👂	D 🛐 🔁 👘	
	6 Items				
Console Root Microsoft SQL Servers SQL Server Group SQL Server Group Databases New Databa Mir Tasks Wiew New window Data Tr Console Root New Databases Mir Tasks Wiew New window Refresh Data Tr Data Tr Data Tr Data Tr Data Tr Data Tr Data Tr Data Tr Data Tr	v from here	model	msdb	Northwind	pubs
E- Support Services					
Done					

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• Specify the following information as shown below.

Database Properties - PM	CS_PRI	×
General Transaction Log		
	S_PRI	
Database files		
File name	Location	Initi File grou
Image: Contract of the second sec	C:\MSSQL7\data\PMCS_F	PRI_Data.MDF 1 PRIMAR
File properties File properties File growth	le	le size
 In megabytes: By percent: 	1 O Eestrict	filegrowth (MB):
	OK	Cancel Help

- Name of the database you wish to create (For example **PMCS_PRI**)
- You can change the location of the database by clicking the "..." button and specifying a new location. (Default location is recommended)
- Make sure that the following options are enabled/checked "Automatically grow file"
 "Unrestricted file growth"
 "By Percent and give 10"

Click OK to create the new database

Right Click on Database and refresh the database by clicking "Refresh"

Please remember the name of this database. This name has to be specified and set as a default database while configuring the DSN using ODBC as explained later.

For your reference: The name of the database is:

3. Expand the database by clicking on the (+) sign.

• Right click on the menu "Users" and select "New Database Users"

📅 SQL Server Enterprise Manager - [Console Root\Mid	crosoft SQL Servers\SQL Server (Group\INSTALLTEST 💶 🖂 🗙
] 🎁 <u>C</u> onsole <u>W</u> indow <u>H</u> elp		_ 8 ×
$ \begin{tabular}{ c c c c } \hline & \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	3 😫 🔆 🖄 🏓 🔋 🕼	l G
	1 Item	
🚞 Console Root 📃	Name	Login Name Database Access
🖻 🗐 Microsoft SQL Servers	💽 dbo	Permit
🖻 🌐 SQL Server Group	-	
E MINSTALLTEST (Windows NT)		
	1	
I master	1	
terret in the second s	1	
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Stored Procedures	1	
	1	
Rol New Database User	1	
Rul View	1	
Del ⊻lew	1	
	1	
🕀 🛄 pubs 🛛 Re <u>f</u> resh		
E ··· II tempdb	L	_
	•	Þ

It will display a screen as shown below Select Login Name as: Builtin \ Administrators User Name: Administrators Make this User a member of all the Database roles by giving permissions to all operations as shown below.

Click OK

Database	User Properties - New User 🔉 🔉	<
General		
	Login name: BUILTIN'Administrators Permissions User name: Administrators	
<u>D</u> atabas	e role membership:	l
	Permit in database role	
	 ✓ public ✓ db_owner ✓ db_accessadmin ✓ db_securityadmin ✓ db_ddladmin ✓ db_datareader ✓ db_datawriter ✓ db_denydatareader ✓ db_denydatawriter 	
	Properties	
	OK Cancel Help	

- 4. Select the database (example PMCS_PRI) and right click on it. Select the option "Properties" It will display a screen as shown below. Click the "Options" tab and enable the following options
 - Auto update statistics

Click Apply.

Click OK

PMCS_PRI Properties	×
General Transaction Log Options Permissions	
Access	
DBO use only	
☐ Single <u>u</u> ser	
🔲 <u>R</u> ead only	
Settings	· []
ANSI NULL default	☐ Aut <u>o</u> close
Recursive triggers	🗖 Auto shri <u>n</u> k
Select into / <u>b</u> ulk copy	Auto create statistics
Iruncate log on checkpoint	Auto update <u>s</u> tatistics
Torn page detection	Use guoted identifiers
OK	Cancel Apply Help

- Click on the Server name (For example : INSTALLTEST (Windows NT)) Select the menu option Action → Properties or right click on the Server name and select option Properties Select the "Memory" tab
 - Select option "Dynamically Configure SQL server memory"
 - Specify Minimum (MB) as 0
 - While specifying the **Maximum** value, make sure that you specify about 50% of the maximum value. For example, if the maximum size is 255 MB, specify about 50% of this size (128 to 130 MB) as shown below.
 - Click Apply
 - Click **OK** to close the option

SQL Server P	roperties - IN	STALLTES	T			X
Connecti General	ons 9 Mem	Server Setting	gs Process	Databa or Ì	se Settings Security	
General Memory	Mem SQL Server cal memory or to dy based upon de © Dyna Minin (Maxi 2 © Use 1 <u>Rese</u> <u>Minimum</u>	ory n be configur ynamically ad mand. amically confi num (MB): DMB MB MB A fixed memo BMB V erve physical query memo	Process ied to use just the ar gure SQL 0 130 130 130 130 130 130 130	or either a fixe nount of me Server men Server men 3): 12	Security ed amount of emory used nory 255MB 255MB 27 255MB 27 255MB 27 255MB 27 255MB	
[ОК	Cancel		Apply	Help	

6. Close Enterprise Manager.

This completes the creation of new database for Event Server.

II. Configuring DSN using ODBC

Go to the Control Panel using Start → Settings → Control Panel Double Click ODBC Data Source

Go to System DSN and add a new DSN by clicking "Add"

Create New Data Source			×
	Select a driver for which you want t	io set up a data s Version	ource. Comp
	Microsoft Access Driver (*.mdb) Microsoft dBase Driver (*.dbf) Microsoft Excel Driver (*.dbf) Microsoft FoxPro Driver (*.dbf) Microsoft ODBC for Oracle Microsoft Paradox Driver (*.db) Microsoft Text Driver (*.txt; *.csv) Microsoft Visual FoxPro Driver SOL Server	4.00.4202.00 4.00.4202.00 4.00.4202.00 2.573.4202.00 4.00.4202.00 4.00.4202.00 4.00.4202.00 6.00.8440.00 3.70.06.90	Micro Micro Micro Micro Micro Micro Micro Micro Micro
	< <u>Back</u> . Fir	nish C	Ancel

Select SQL Server driver as shown above and click "Finish"

Specify the following information as shown below

Create a New Data Sou	rce to SQL Server 🔀
Select a daver or me of dB ase for ot dB ase for t B a	This wizard will help you create an ODBC data source that you can use to connect to SQL Server. What name do you want to use to refer to the data source? Name: PMCS_PRI How do you want to describe the data source? Description: This database is for EventServer Which SQL Server do you want to connect to? Server: [local]
	Finish <u>N</u> ext > Cancel Help

Click "Next>" to continue

Create a New Data Source to SQL Server				
Selaci a diriver tor me of dBase for soft Access for soft Excels for a diriver tor out dBase for soft Excels for a diriver tor soft Excels for a diriver tor soft Excels for a diriver tor soft Excels for a diriver tor for a diriv	How should SQL Server verify the authenticity of the login ID?			
	< <u>B</u> ack <u>N</u> ext > Cancel Help			

Select "With Windows NT authentication using the network login ID" option for SQL to verify the authenticity of the logged in user ID. Click "Next>"

Now it will prompt the user to specify the default database. Select or type the name of the database we have created earlier (As explained under the topic: <u>I. Creating a new database for logging events generated by Event</u> <u>Server</u>)

Click "Next>" to continue

Create a New Data Source to SQL Server 🛛 🔀					
Select a diver row	•	Change the default database to:			
ante ante ante ante ante ante ante ante		Attach database filename:			
Soft Exercised For Pri	<u></u>	Create temporary stored procedures for prepared SQL statements and drop the stored procedures:			
Cosoff Tex Timerosoft Tex SQL Serve		 Driv when you disconnect. When you disconnect and as appropriate while you are corrected. 			
	ব	Use ANSI quoted identifiers.			
		Use the failover SQL Server if the primary SQL Server is not available.			
		< Back Next > Cancel Help			

Click "Finish" below.

Create a New Data Sou	rce to SQL Server 🔀
Selaci a diwer with	Change the language of SQL Server system messages to: English
off of added [Perform translation for character data
M prosoft Fown	$\square \ \underline{\underline{U}}$ se regional settings when outputting currency, numbers, dates and times.
SQL Serve	Save long running queries to the log file C:\QUERY.LOG Browse
	Long query time (milliseconds): 30000
	Log ODBC driver statistics to the log file: C:\STATS.LOG Browse
	< <u>B</u> ack Finish Cancel Help

It will then display the following screen:

ODBC Microsoft SQL Server Setup	×
A new ODBC data source will be created with the following configuration:	
Microsoft SQL Server ODBC Driver Version 03.70.0690	A
Data Source Name: PMCS_PRI Data Source Description: This database is for EventServer Server: (local) Database: PMCS_PRI Language: English Translate Character Data: Yes Log Long Running Queries: No Log Driver Statistics: No Use Integrated Security: Yes Use Regional Settings: No Prepared Statements Option: Drop temporary procedures on disconnect Use Failover Server: No Use ANSI Quoted Identifiers: Yes Use ANSI Null, Paddings and Warnings: Yes	
	_
Test Data Source OK Cano	el

Click the option "Test Data Source" to check if the connections are established or not.

It should then display the following screen.

Click OK to finish configuring the DSN

SQL Server ODBC D	ata Source Test	×
Test Results		
Microsoft SQL Ser	ver ODBC Driver Version 03.70.0690	<u> </u>
Running connectiv	vity tests	
Attempting connec Connection establi Verifying option set Disconnecting from	tion shed ttings n server	
TESTS COMPLET	ED SUCCESSFULLY!	
		T
	(OK)	

III. Populating the Tables in the Event Server Database

- 1. Run GE PMCS Event Server
- 2. Select the menu option: Configure \rightarrow Redundancy \rightarrow Host Database
- 3. Select radio button "Others"
- 4. Type the DSN that was created earlier (Example : PMCS_PRI)
- 5. Specify the login name & password for "Administrator" as shown below.

Pr	imary Database Inf	ormation 🗙
	C ACCESS	OTHERS
	Data source name :	PMCS_PRI
	User ID :	Administrator
	Password :	
	✓	<u>O</u> K X Cancel

- 6. Click OK
- 7. Close Event Server
- 8. Invoke Windows NT explorer
- 9. Navigate to the folder C:\GE_PMCS\Eventlog\Database
- 10. Double click the file "SetupDB.exe"
- 11. This application will create all the necessary tables in the SQL Database (for example: PMCS_PRI) that are required to run Event Server.
- 12. Now invoke SQL Server Enterprise Manager through Start \ Programs \ Microsoft SQL Server 7.0\ Enterprise Manager.

Select the database (PMCS_PRI) Double click on the database name Select the option "Users" and double click it In the right hand pane, it will list the user names "Administrators" and "dbo" Double click on "Administrators" It will display a screen as shown below

Database User Properties - Administrators 🛛 🔀							
General							
🗌 🛃 Lo	gin name:	BUILTIN	IVAdministr	ators		<u>P</u> ermis	ssions
	er name:	Administ	rators				
<u>D</u> atabase rol	e membershi	p:					
P	ermit in datab	base role					^
	public						
✓	db_owner						
⊻	db_acces	sadmin					
Ľ	db_securi	tyadmin					
	db_ddiadi JF Faalu	db_ddladmin					
	UD_DACKU db_datare	db_backupoperator					
	i db_dataw I db_dataw	riter					
	db_datamiker						
	db denyd	db denudatawriter					
							7
						Prop	artion 1
						Fiohe	
	DK.	1	Cancel	1	Applu	1	Help
			Cancel		Shhà.		Пар