

How to Install M1 Fleet Enterprise

v.3.9.0.0

30 March 2016

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tracking.

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HARDWARE AND SOFTWARE REQUIREMENTS

Database Server Components:

Component	Requirement
Processor	<u>Processor Type:</u> Minimum: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support, Intel Core Duo, Intel Core 2 Duo, Intel i3, Intel i5, Intel i7 <u>Processor speed:</u> Minimum: 1.4 GHz Recommended: 2.5 GHz or faster
Operating system	<u>For larger fleet (100 or more vehicles):</u> Windows Server 2003 Windows Server 2008 Windows Server 2012 Windows Server 2014 <u>For smaller fleet (less than 100 vehicles):</u> Windows XP 32 bit/ 64 bit Windows Vista SP3 Windows 7 32 bit/ 64 bit Windows 8 32 bit/ 64 bit Windows XP SP 3 (must be up to date)
Minimum Video Resolution	1024 x 768
Memory	<u>RAM:</u> Minimum: 2 GB Recommended: 4GB Note: Add additional 2 GB for stand-alone installations.
Hard disk Space	20 GB of available disk space on the system drive

M1 Fleet V3 Communication Server / Message Server / Client

Component	Requirement
Processor	<u>Processor Type:</u> Minimum: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support, Intel Core Duo, Intel Core 2 Duo, Intel i3, Intel i5, Intel i7 <u>Processor speed:</u> Minimum: 1.4 GHz Recommended: 2.5 GHz or faster
Operating System	<u>For larger fleet (100 or more vehicles):</u> Windows Server 2003 Windows Server 2008 Windows Server 2012 Windows Server 2014 <u>For smaller fleet (less than 100 vehicles):</u> Windows XP 32 bit/ 64 bit Windows XP SP 3 (must be up to date) Windows Vista SP2 Windows 7 32 bit/ 64 bit Windows 8 32 bit/ 64 bit
Minimum Video Resolution	1024 x 768
Memory	<u>RAM:</u> Minimum: 2 GB Recommended: 4GB Note: Add additional 2 GB for stand-alone installations.
Disk Space	At least 50 MB of disk space for each system module

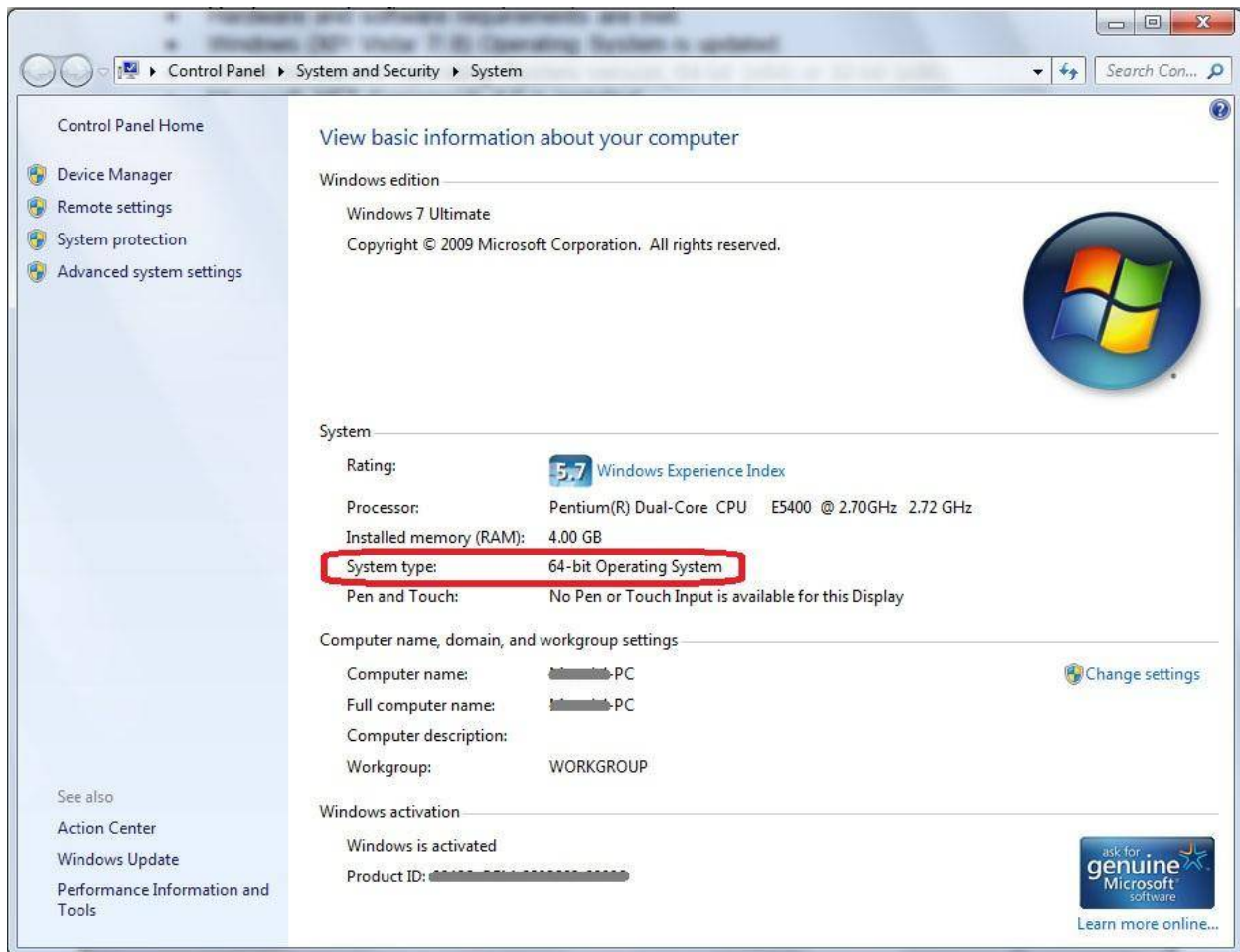
Notes on installation: One can choose to install all components in one desktop computer as a standalone or you can opt to install each component separately on different machines. You might want to consider having the database separately and the server components.

PRE-INSTALLATION:

Hardware and software requirements are met.
Windows (XP/ Vista/ 7/ 8/8.1) Operating System is updated.
Check for current Operating System version, 64-bit (x64) or 32-bit (x86).
Microsoft .NET Framework 4.0 is installed.

How to check Operating System version?

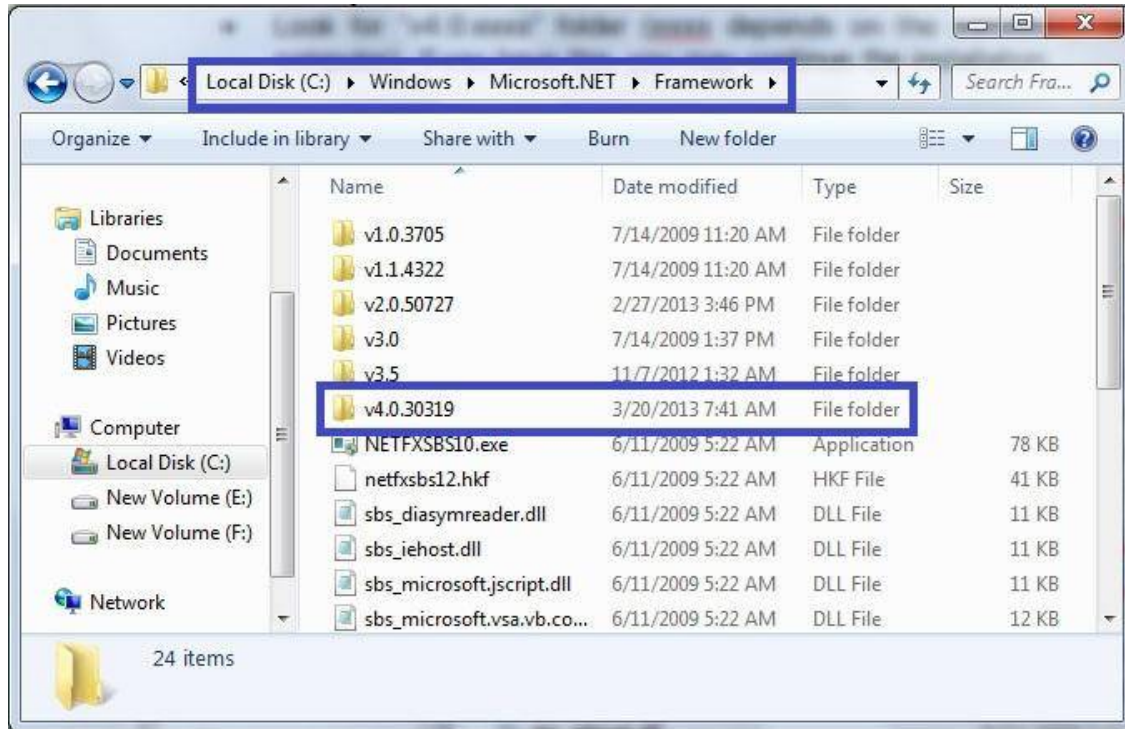
Right click on Computer (Start>Computer).
Choose "Properties".



How to check .NET Framework?

Go to your local drive "C:\Windows\Microsoft.NET\Framework".

Look for "v4.0.xxxx" folder (xxxx depends on the version of framework installed to your computer). If you have this, you may continue the installation.



One can download the .NET Framework 4.0 Web installer (needs to be connected to the Internet while installing) from following link OR you can use the stand alone installer included with this instruction under #PREREQUISITES folder.

Web installer download link: <http://www.microsoft.com/en-ph/download/details.aspx?id=30653>

STEP 1

MS SQL Server Database Installation

STEP 1 – MS SQL Server Database Installation

1. Download SQL Server 2014 Express (or you can use the installer provided with this instruction under folder STEP 1 - Install SQL Server.

For 32-bit Windows use the installer under folder SQL Server x86

Download link: <http://www.microsoft.com/en-ph/download/details.aspx?id=42299>

ExpressAdv 32BIT\SQLSERVER_PRADV_x86_ENU.exe

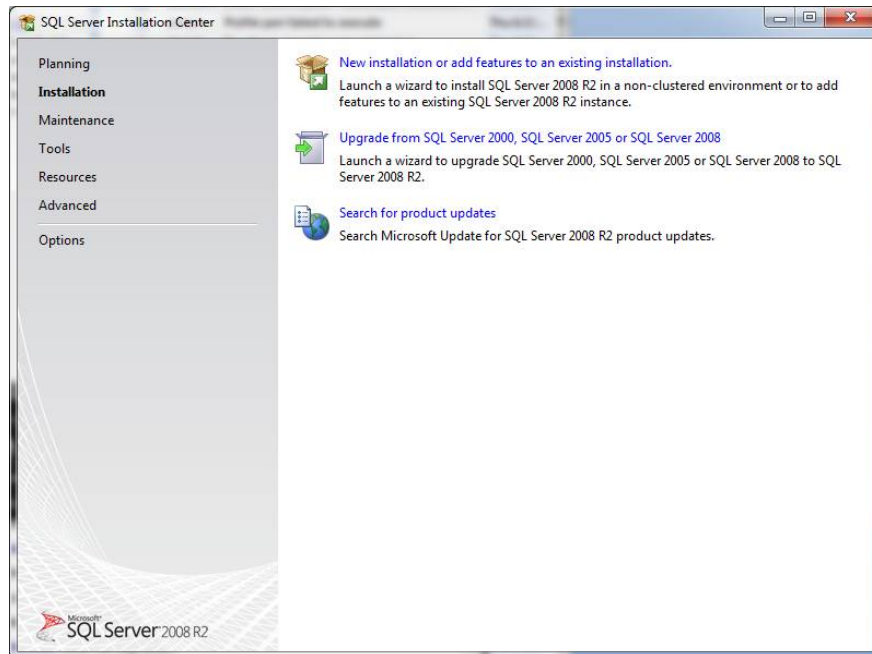
For 64-bit Windows use the installer under folder SQL Server x64

Download link: <http://www.microsoft.com/en-ph/download/details.aspx?id=42299>

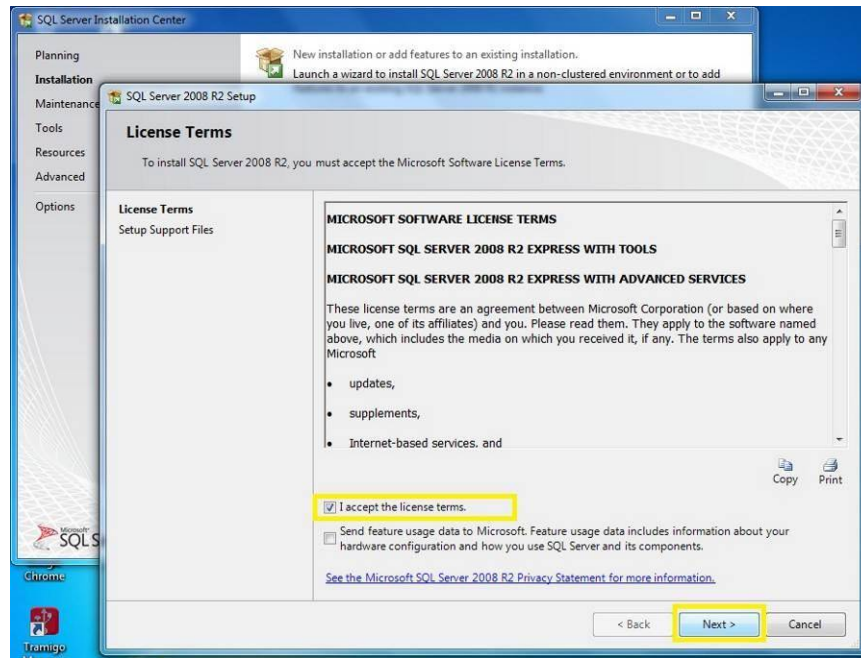
ExpressAdv 64BIT\SQLSERVER_PRADV_x64_ENU.exe

NOTE: *For Win 8.1 and Win 8, use SQL Server 2012 Express or SQL Server 2014 Express.
For Win 7, you can use SQL Server 2008 Express R2.
There is a 10 GB limit in SQL Server 2008 Express R2.*

2. Launch installer and select New Installation or add features to an existing installation.



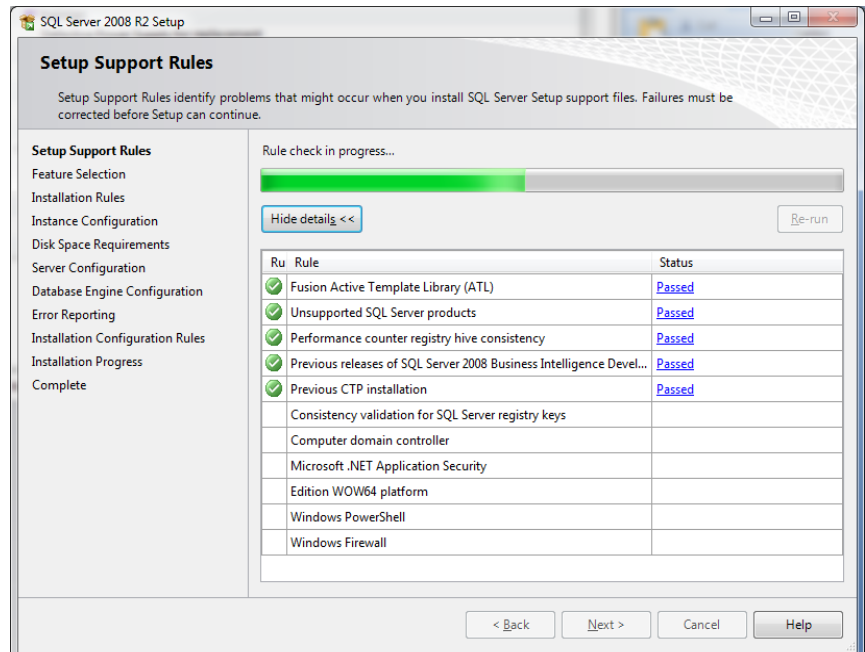
- Accept the license agreement.

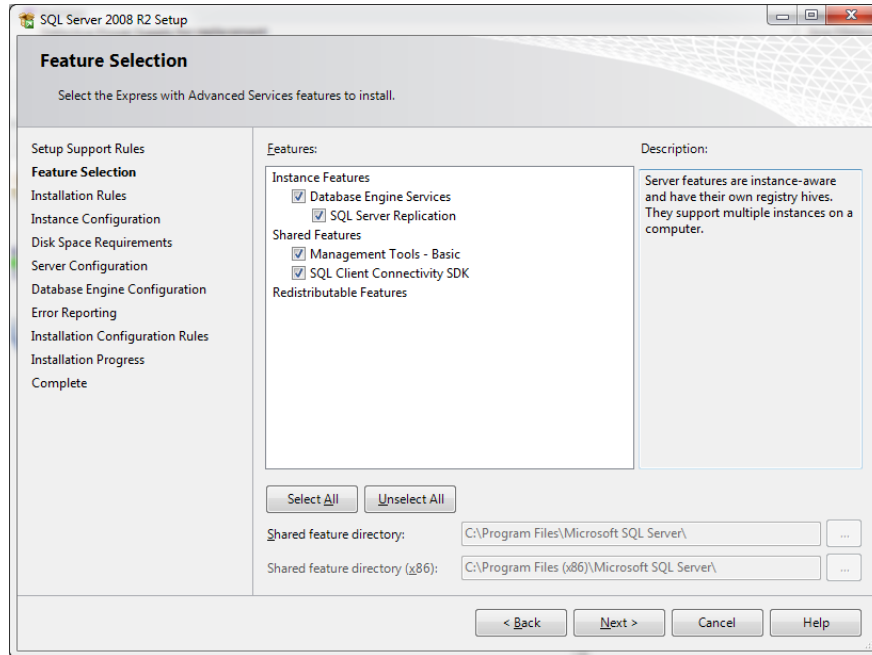


- Setup Support Rules – will check your machine for any incompatibility or lack of system requirements for your database server. If a certain feature does not pass the minimum requirements, a hint will show on how to fix the problem or even a link to a website for solution.

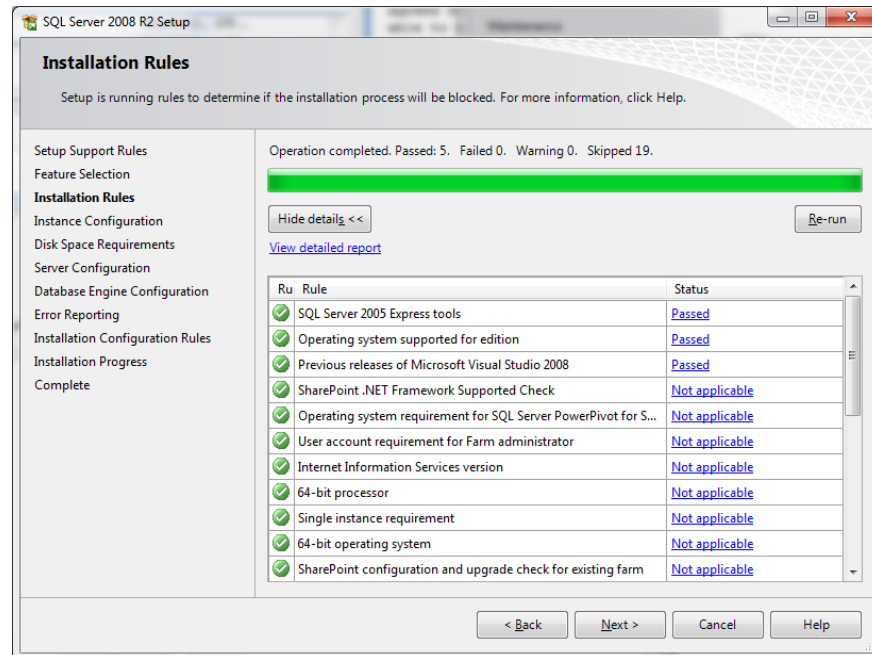
NOTE: Make sure you TURNED OFF the Windows Firewall to avoid errors. If Windows Firewall is ON, turn it OFF then click "Re-run" then NEXT.

- Check every feature selection.

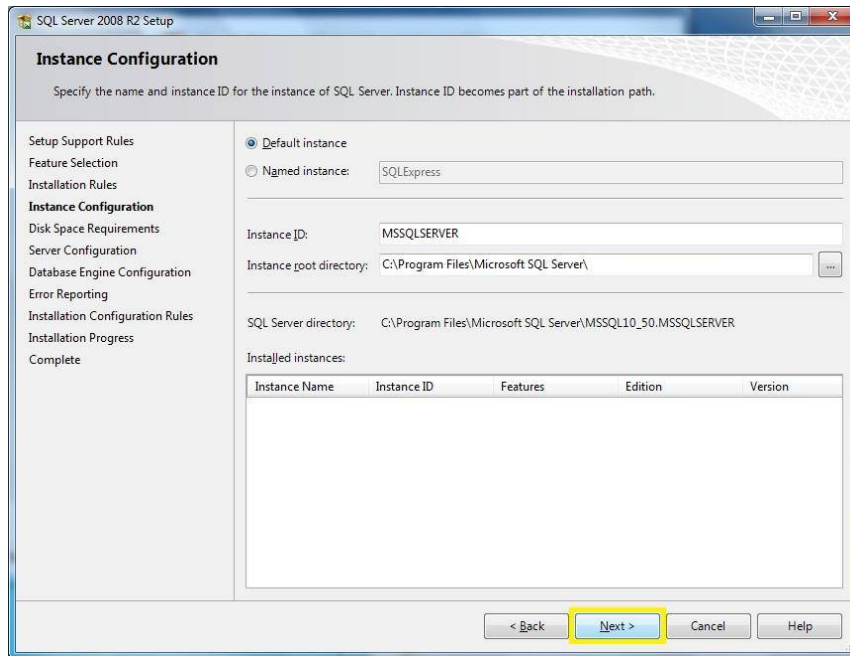




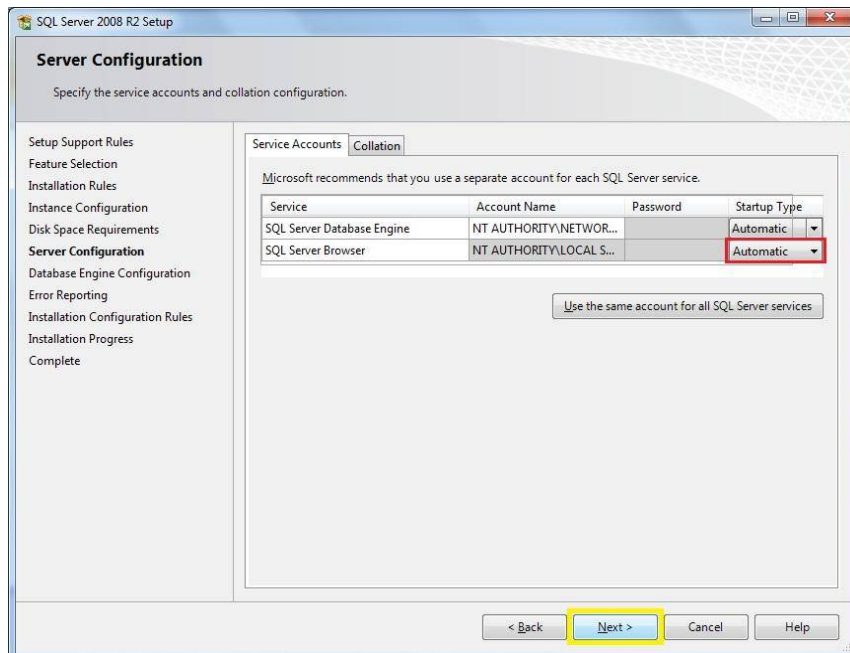
6. A set of setup rules will be checked to see if SQL Server will have problems during installation.



7. Instance configuration
 - Select Default Instance.
 - Change instance ID to MSSQLSERVER.

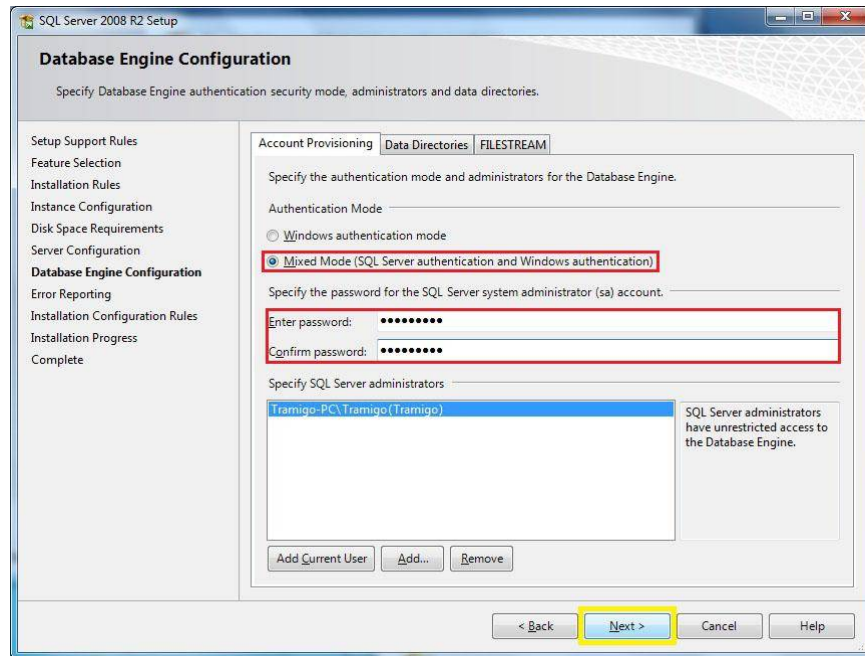


8. Server Configuration
 - Change Startup type to Automatic.

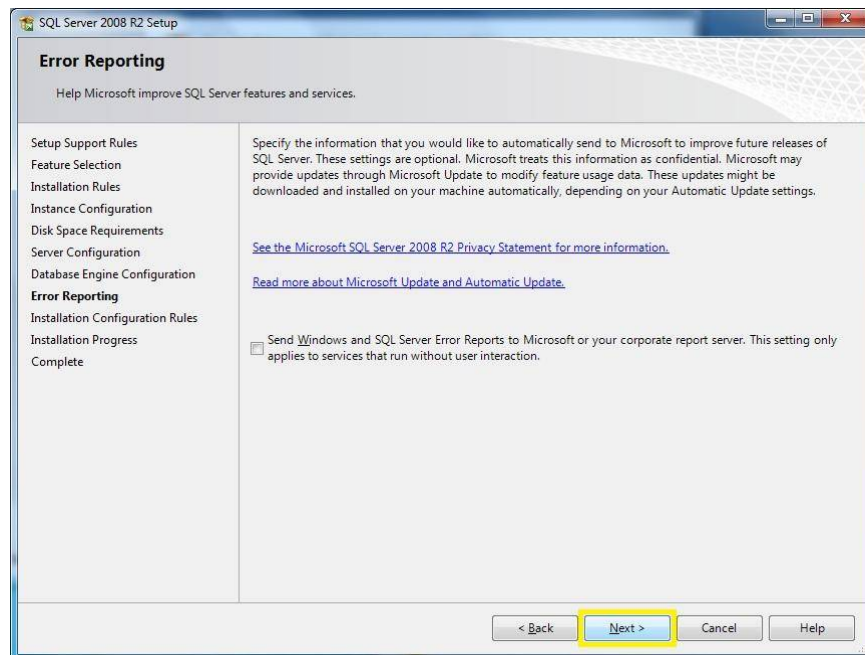


9. Database Engine Configuration

Choose mixed authentication, enter a password for the sa account (*make sure to remember or write down the password you will enter. If you don't know what to use you can enter M1Fleet as default password. This password will be used for installation of M1 Fleet V3 database*)



10. After click next from Step 8, SQL Server installation will precede and wait until the whole process completes.



11. To check if everything has been installed successfully, go to

Start -> Programs -> Microsoft SQL Server 2008 R2 -> SQL Server Management Studio

Use the following values for specific fields:

Server: (local)

Authentication: choose SQL Server Authentication

Login: sa

Password: <enter the password you have entered during installation>



Once authenticated and you are logged in, it means SQL Server is UP AND RUNNING.

STEP 2

M1 Fleet Enterprise Database Tools Installation

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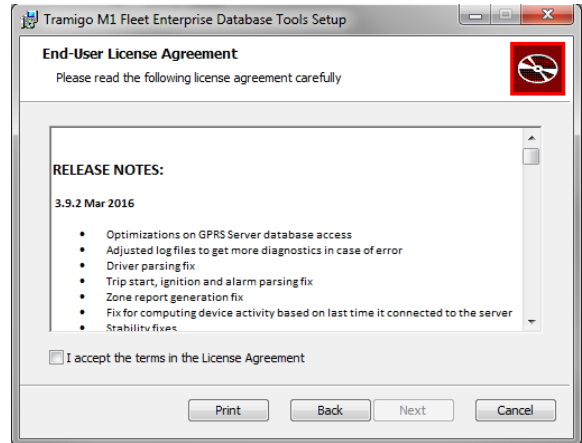
Note: If Windows detected any new updates, please update before attempting to continue.

STEP 2 – M1 Fleet Enterprise Database Installation

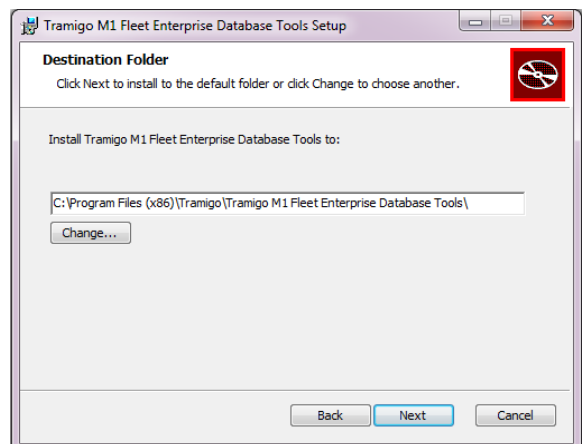
1. Launch the *Tramigo.M1.WixInstaller.DBTools.msi* installer located at folder STEP 2 – Install M1 Database
Click Next



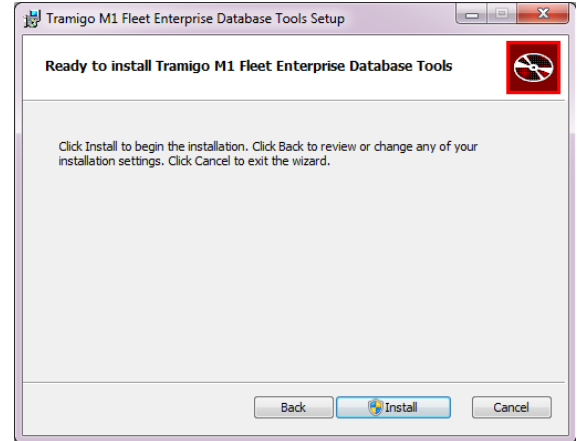
2. Accept the End User License Agreement then click Next.



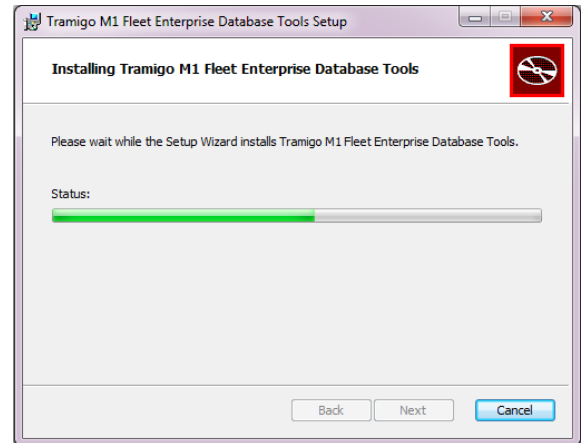
3. Specify where you want to install M1FE Database Tools or you can just leave it by default.



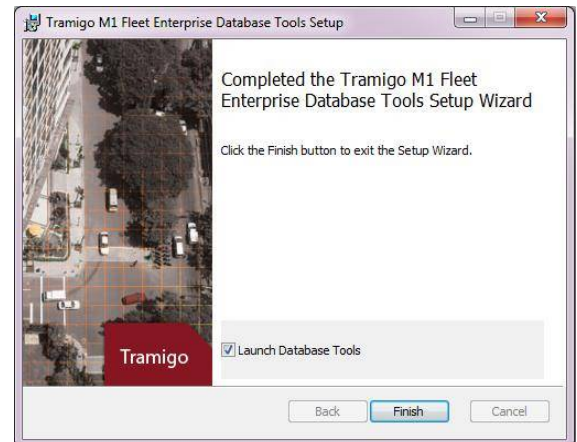
4. Click install to begin installation.



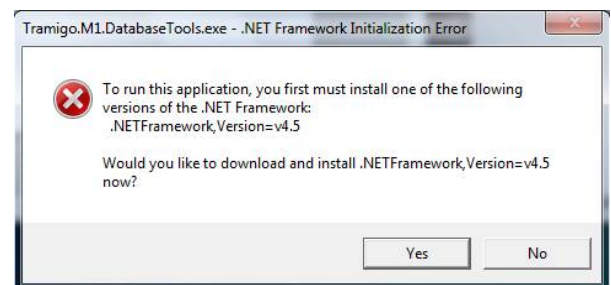
5. Wait till the installation is finished.

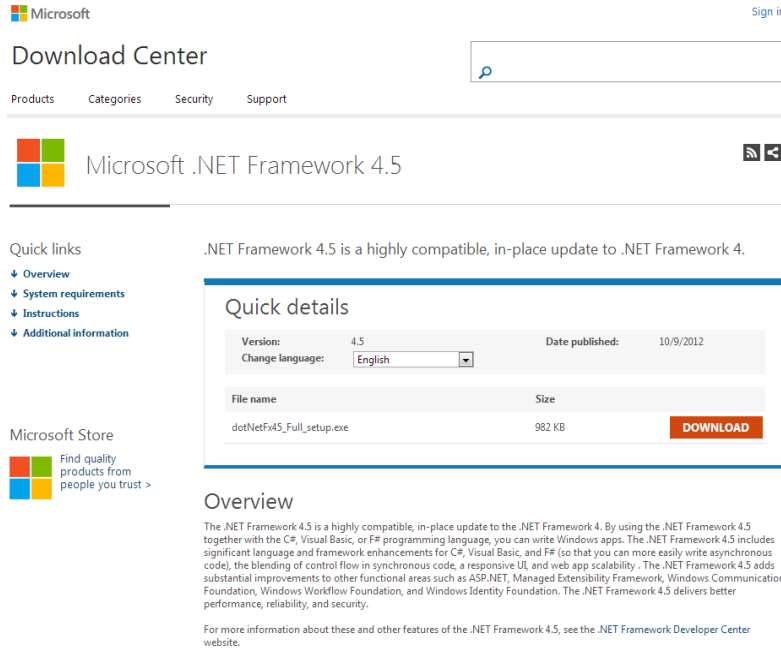


6. Installation is now complete.



7. Once finished, you can now launch M1FE Database Tools. Note that when .Net Framework 4.5 is not installed in your PC, an error window will appear. Click yes to be directed to the download link.





Microsoft

Download Center

Products Categories Security Support

Microsoft .NET Framework 4.5

Quick links

- Overview
- System requirements
- Instructions
- Additional information

Microsoft Store

Find quality products from people you trust >

.NET Framework 4.5 is a highly compatible, in-place update to .NET Framework 4.

Quick details

Version:	4.5	Date published:	10/9/2012
Change language:	English		

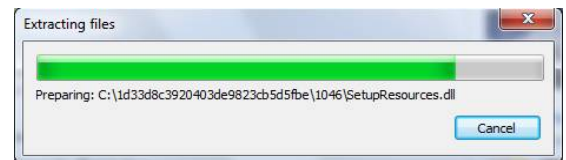
File name	Size	
dotNetFx45_Full_setup.exe	982 KB	DOWNLOAD

Overview

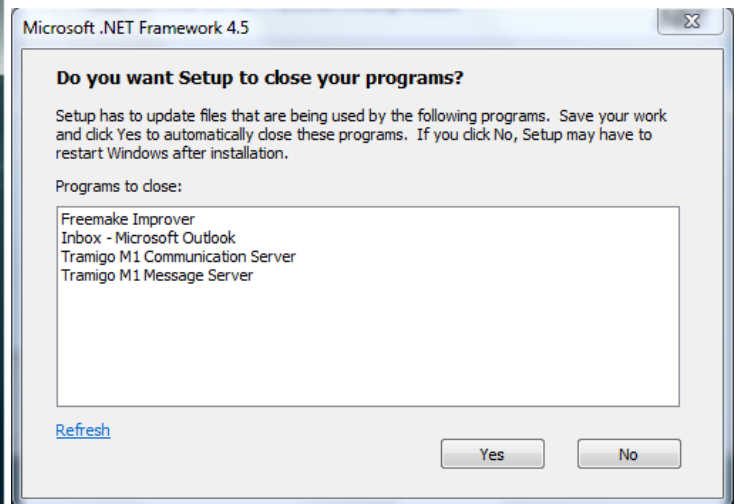
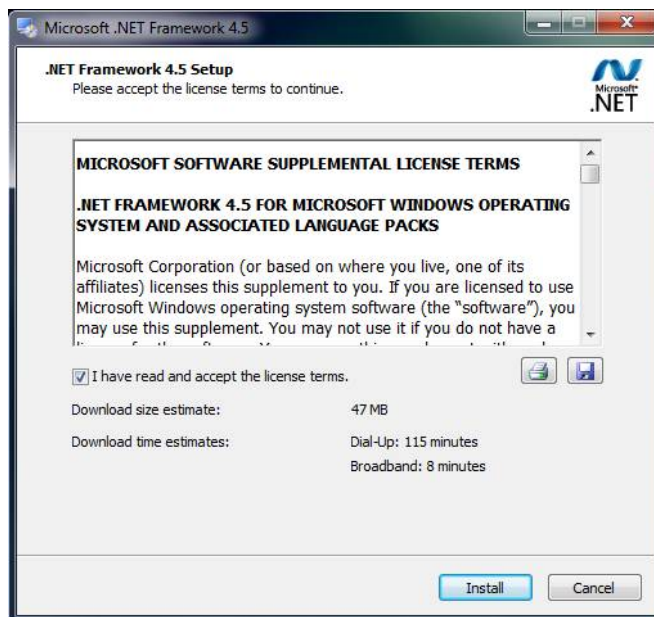
The .NET Framework 4.5 is a highly compatible, in-place update to the .NET Framework 4. By using the .NET Framework 4.5 together with the C#, Visual Basic, or F# programming language, you can write Windows apps. The .NET Framework 4.5 includes significant language and framework enhancements for C#, Visual Basic, and F# (so that you can more easily write asynchronous code), the blending of control flow in synchronous code, a responsive UI, and web app scalability. The .NET Framework 4.5 adds substantial improvements to other functional areas such as ASP.NET, Managed Extensibility Framework, Windows Communication Foundation, Windows Workflow Foundation, and Windows Identity Foundation. The .NET Framework 4.5 delivers better performance, reliability, and security.

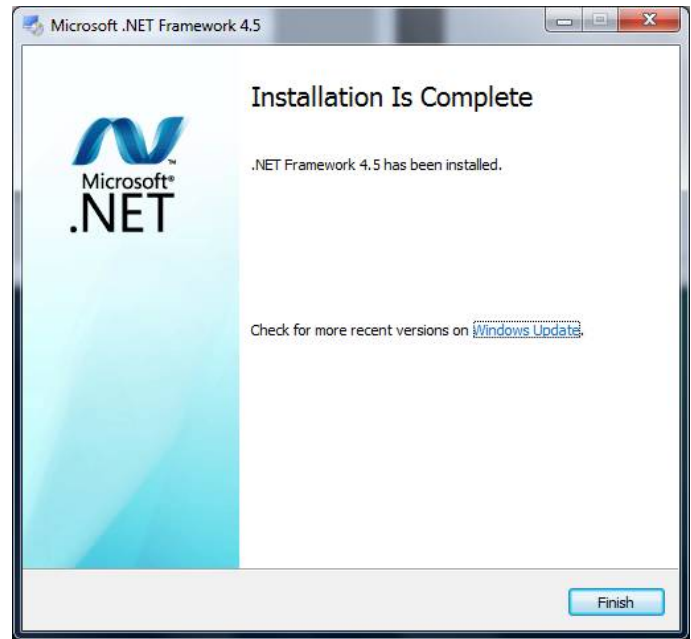
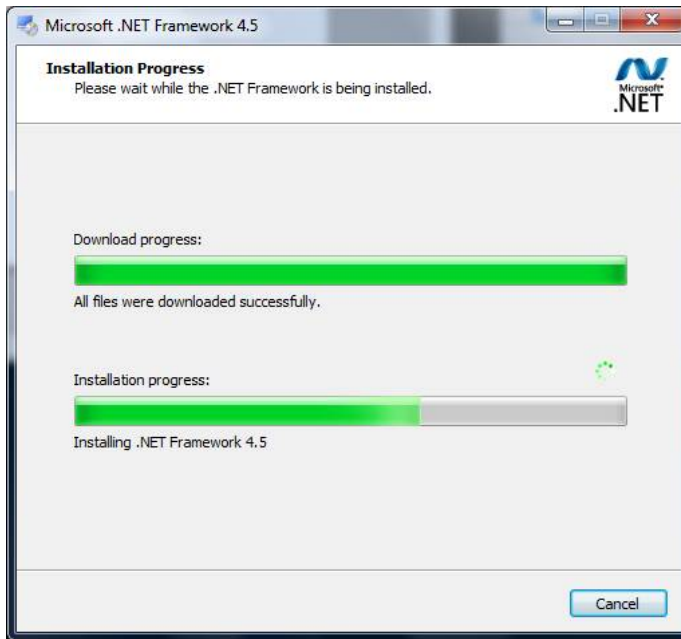
For more information about these and other features of the .NET Framework 4.5, see the .NET Framework Developer Center website.

- Download .Net Framework 4.5 from the site. Then proceed with the installation and follow the screen instructions. Wait till files are all extracted.

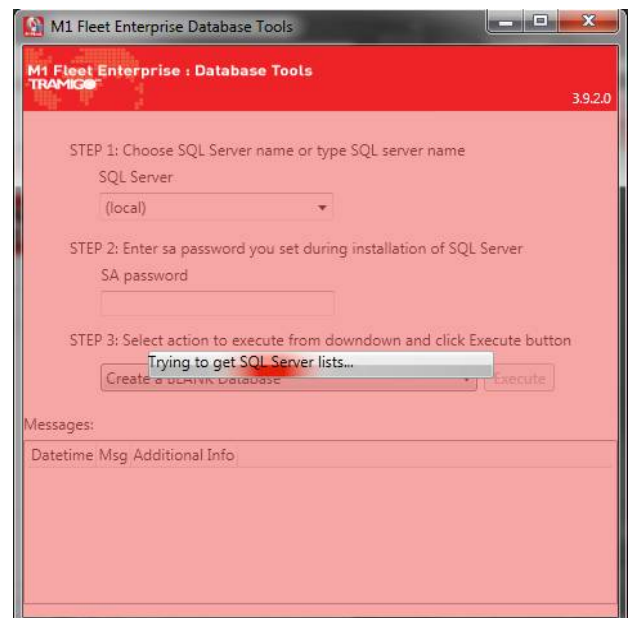


- Wait till the .Net Framework 4.5 is installed.





10. Once .Net Framework is installed, you can now launch M1FE Database Tools.

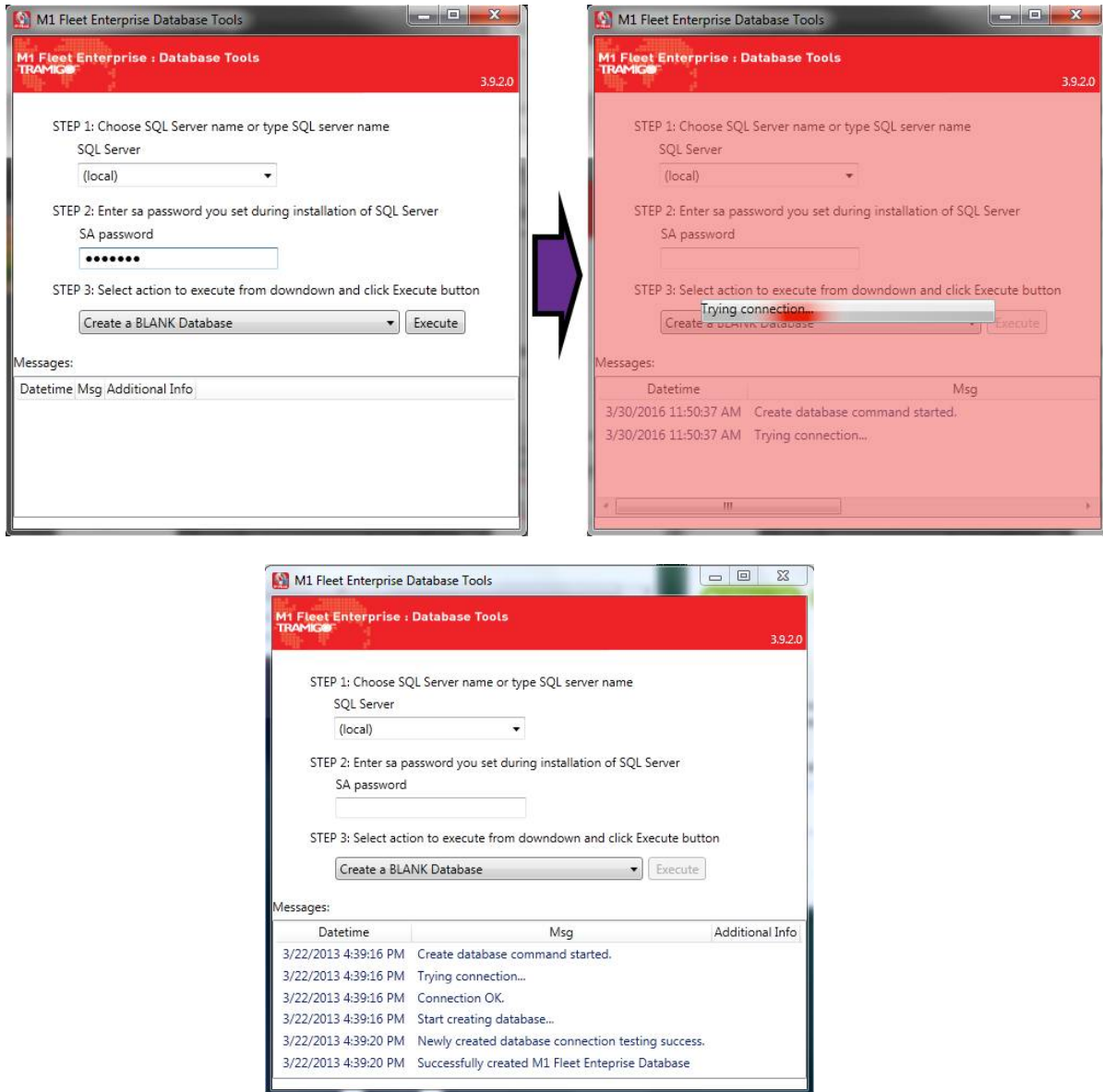


11. Enter SA Account Password for SQL Server then execute. Wait till the M1FE Database Tools is finish creating your database.

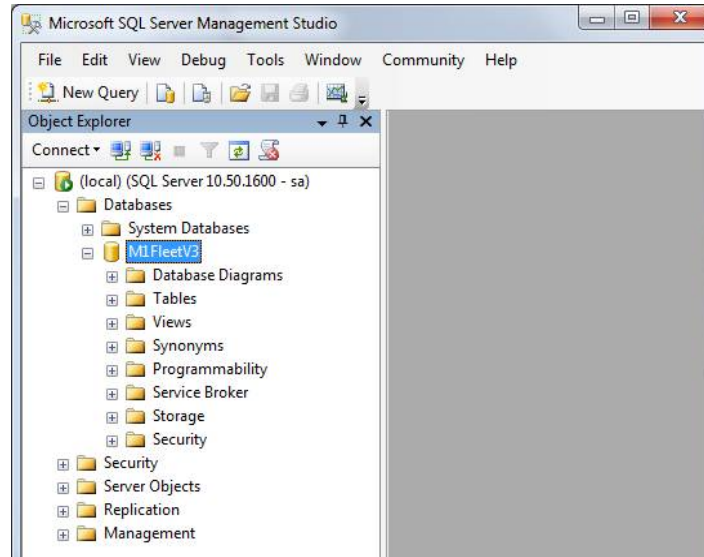
NOTE: You can reset SA password and archives all the previous data of your M1 Fleet in Database Tools.

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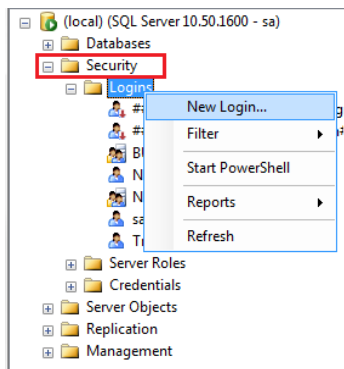


12. Once finished you can verify if M1 Fleet Enterprise database has been installed by
Start >> All Programs >> Microsoft SQL Server 2008 R2 >> SQL Server Management Studio.
 Provide the login details (same as before).
 Expand the Databases node and you will see the database M1FleetV3 has been created.



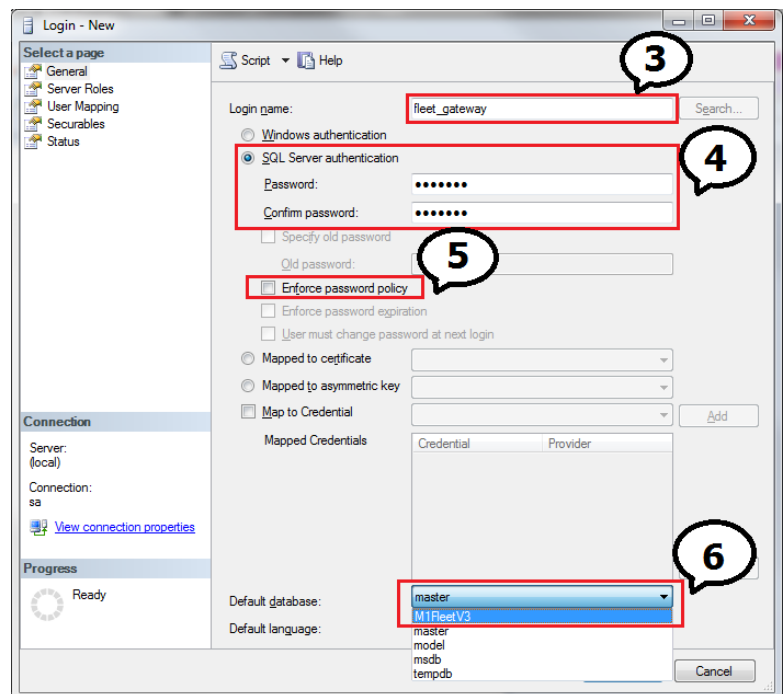
NOTE: If fleet_gateway is not created in the MSSQL Server Management Studio after Blank Database Creation, please create fleet_gateway login/user

The following steps should be followed accordingly to create “fleet_gateway” login/user, do not jump on any steps.

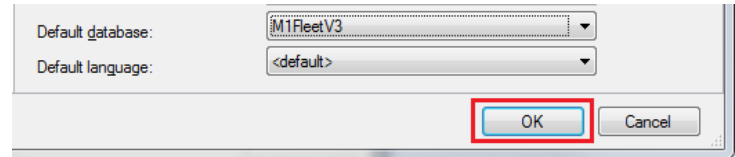


1. Expand the “Security” folders from SQL Server.
2. Right click “Logins” and choose “New Login...”

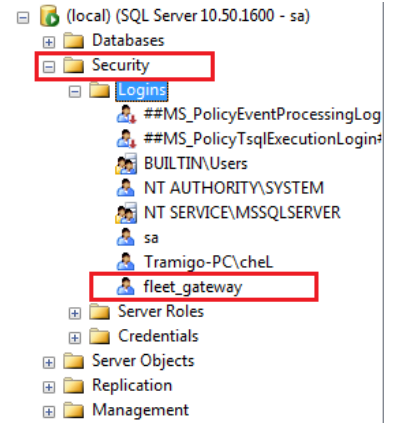
3. Write “fleet_gateway” on login name.
4. Choose “SQL Server Authentication” and key in password as TramigoM1FE.
5. Uncheck “Enforce password policy”.
6. Replace default database to “M1FleetV3”.



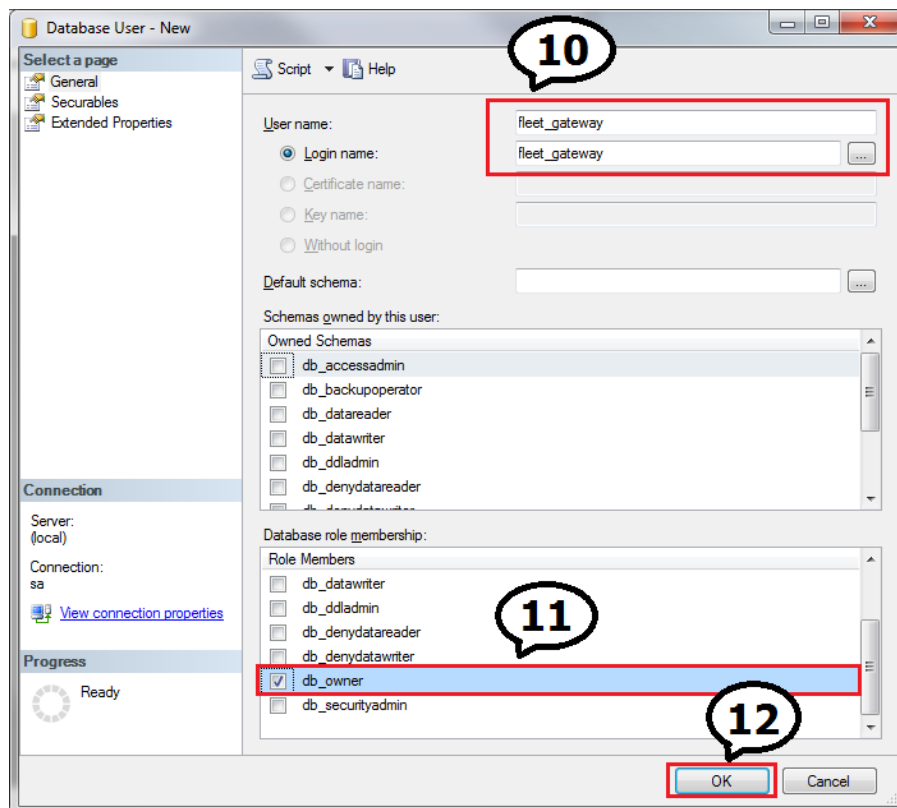
7. Click OK once completed.



8. Expand the Databases → M1FleetV3 → Security folders from SQL Server.



9. Right click Users and choose “New User...”
10. Write “fleet_gateway” on user name and login name.
11. Check DB Owner from Database role membership lists.
12. Click OK.



STEP 3

Install M1 Fleet Enterprise Message Server

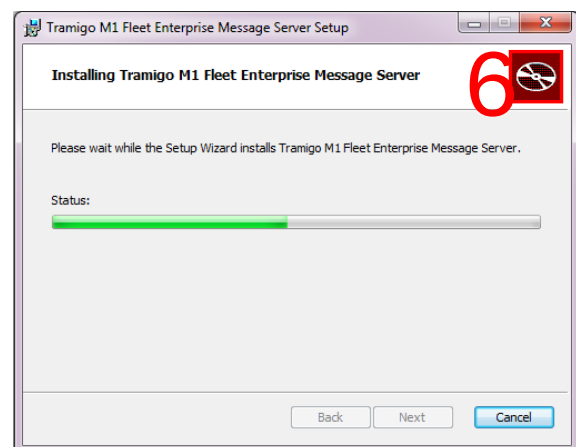
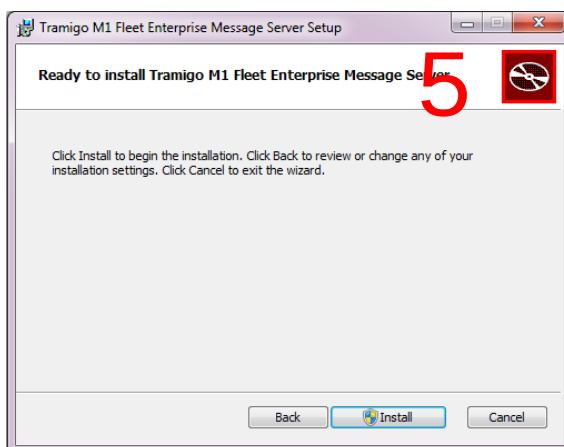
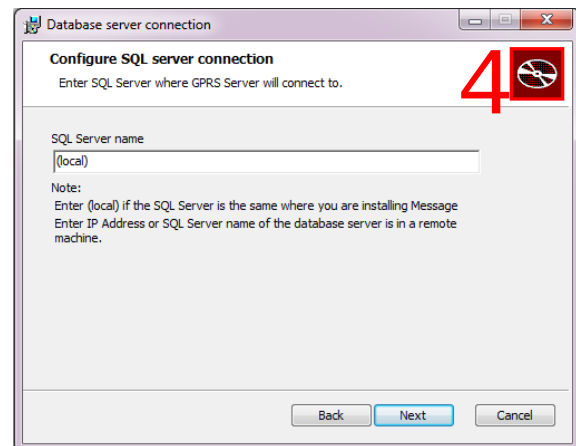
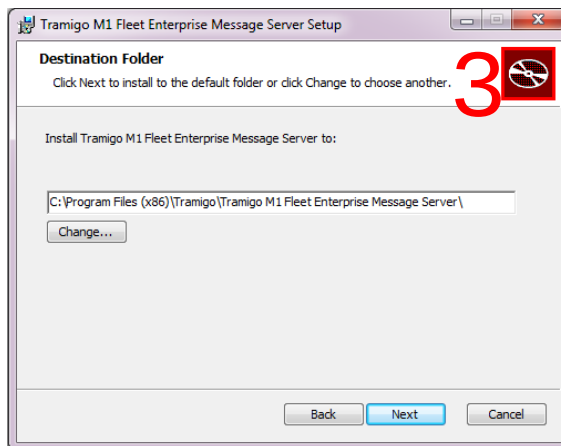
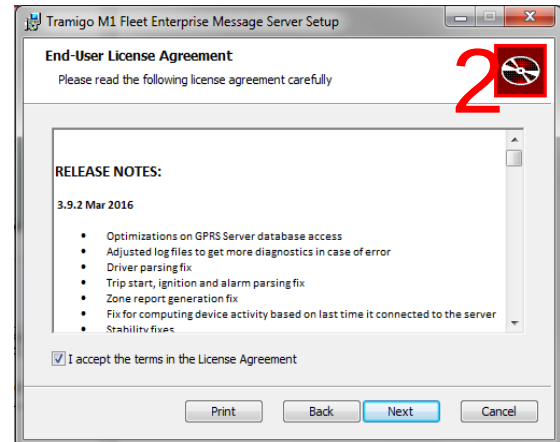
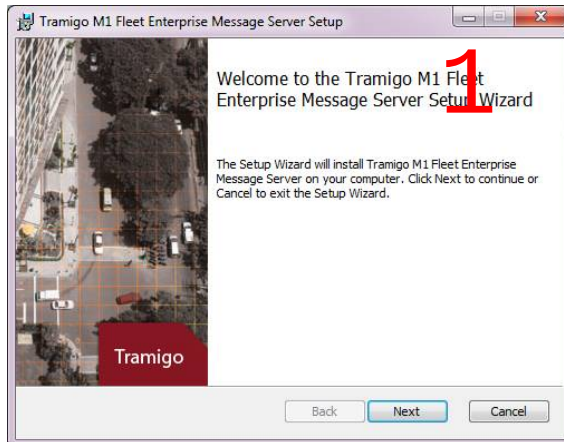
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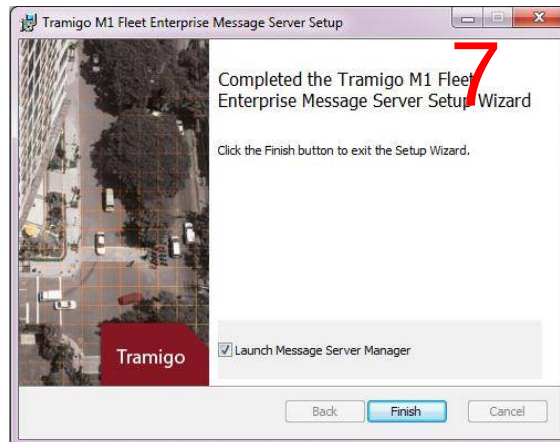
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STEP 3 – Install M1 Message Server

1. Launch the installer *Tramigo.M1.Installers.MessageServer.msi* from folder STEP 3 - Install M1 Message Server

Installing of M1 Fleet V3 Message server is simple just proceed with the installation and follow the screen instructions.





NOTE:

If M1FE Message Server Error popup before installation finish, verify that you have sufficient privileges to start the system. Check if fleet_gateway login has been created. If not please see page 20 on How to Create fleet_gateway login/user.



STEP 4

Install M1 Fleet Enterprise Communication Server

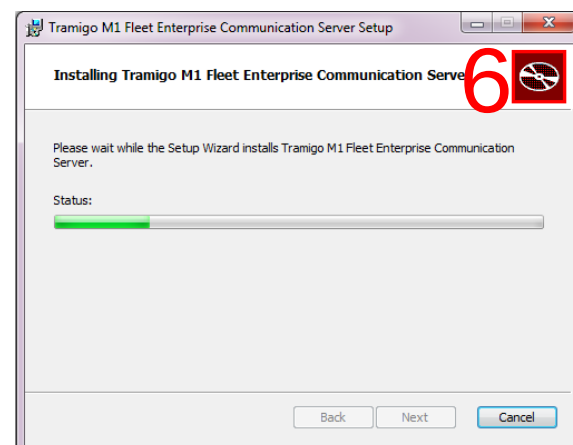
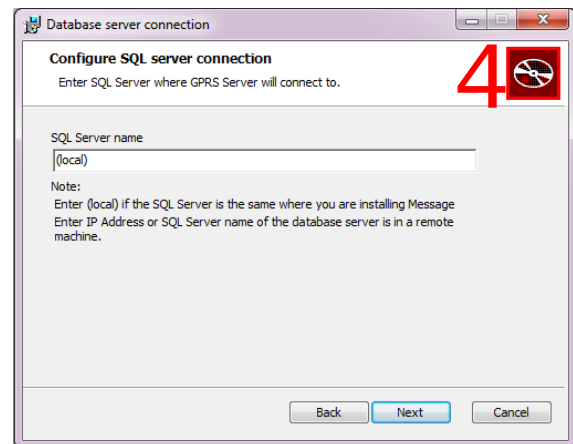
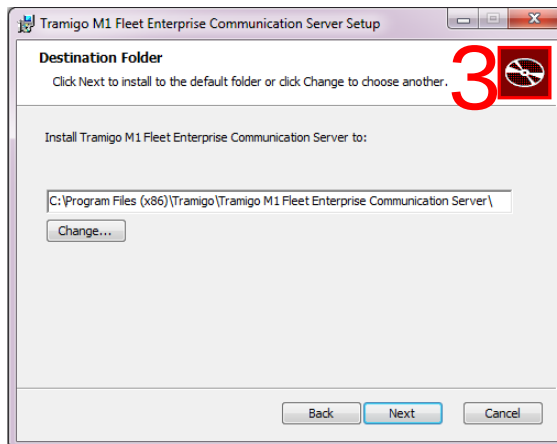
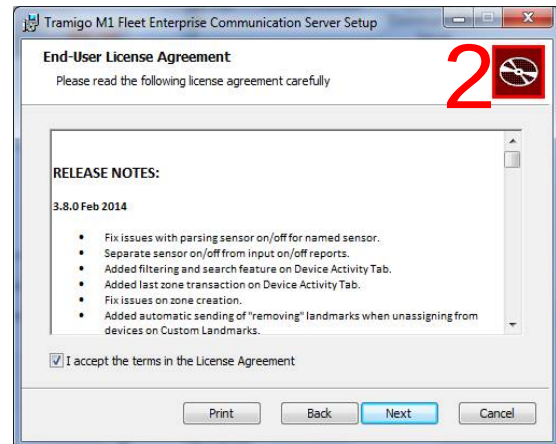
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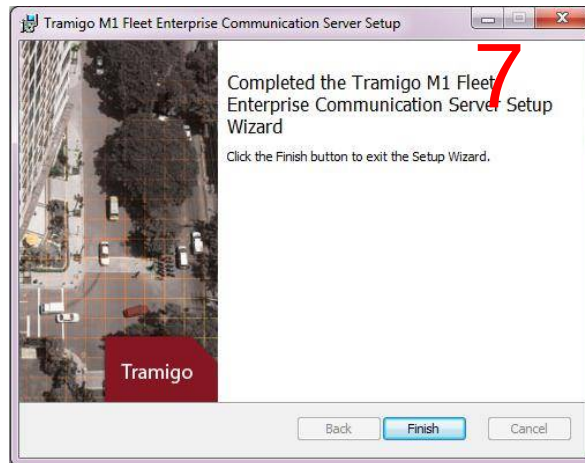
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STEP 4 – Install M1 Fleet Enterprise Communication Server

1. Launch the installer *Tramigo.M1.Installers.CommunicationServer.msi* from folder STEP 4 - Install M1 Communication Server

Installing of M1 Fleet V3 Communication server is simple just proceed with the installation and follow the screen instructions.





NOTE:

If M1FE Communication Server Error popup before installation finish, verify that you have sufficient privileges to start the system. Check if fleet_gateway login has been created. If not please see page 20 on How to Create fleet_gateway login/user.



STEP 5

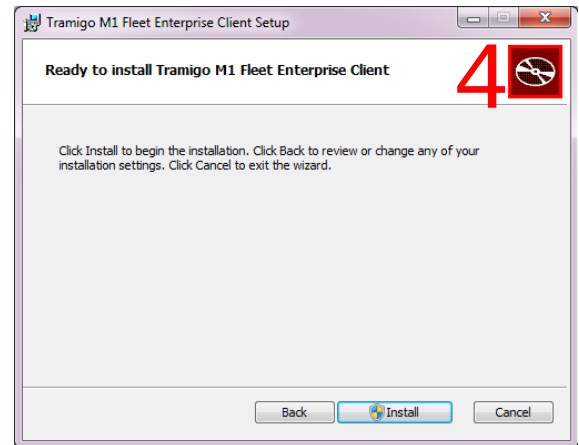
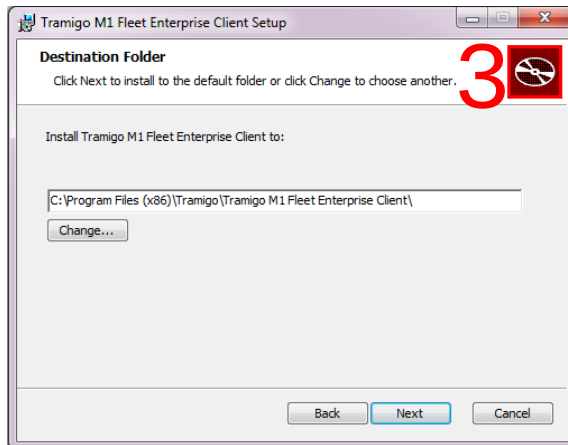
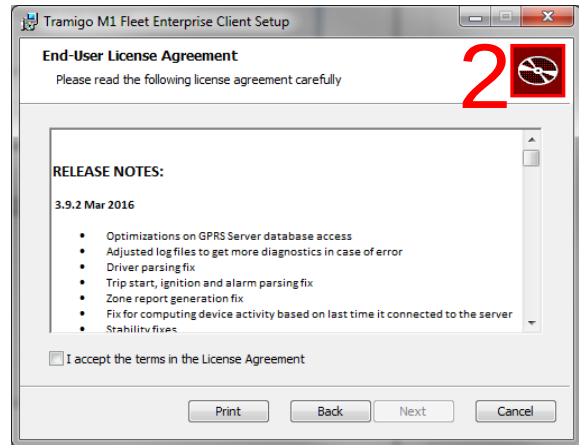
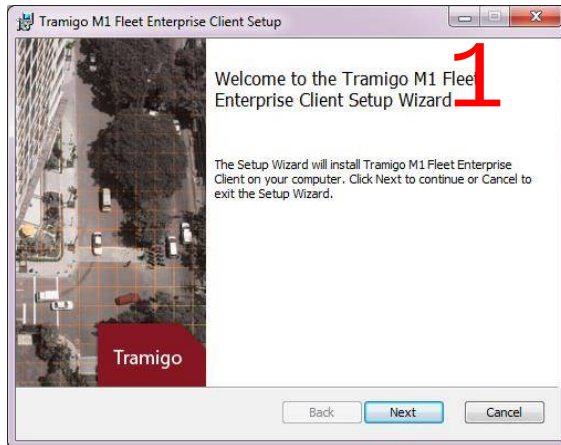
Install M1 Fleet Enterprise Client

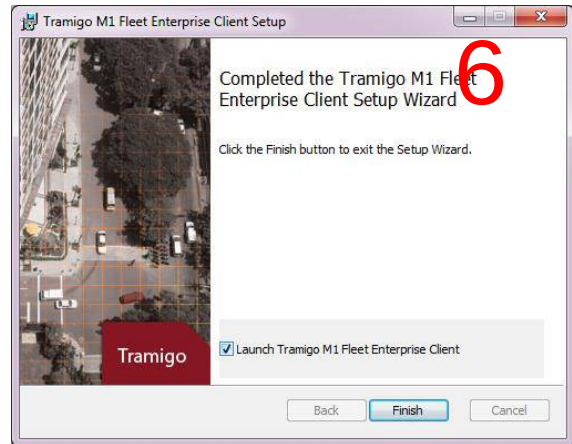
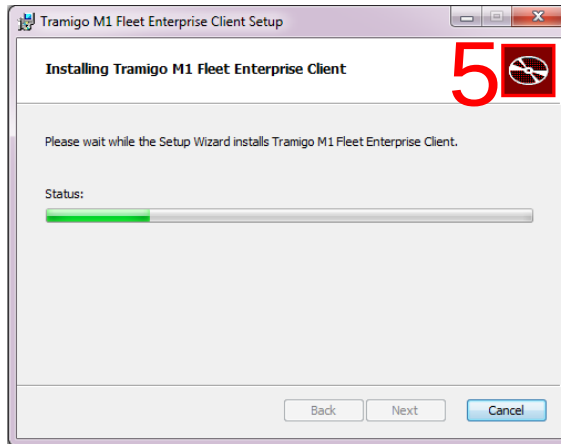
STEP 5 - Install M1 Fleet Enterprise Client

Note: If installing all components on same machine, make sure that you have rebooted your machine before proceeding.

1. Launch the installer *Tramigo.M1.Installers.WinClient.msi* from folder STEP 5 - Install M1 Fleet Enterprise Client

Installing of M1 Fleet V3 Client is simple just proceed with the installation and follow the screen instructions.





Shortcuts will be added to your desktop and start-menu.

To launch M1 Fleet Enterprise go to:

Start >> Programs >> Tramigo >> M1 Fleet Enterprise Client >> Tramigo M1 Fleet Enterprise Client



Note: Default username is admin and default password is admin.

STEP 6

Install M1 Fleet Enterprise GPRS Server

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STEP 6 - Install M1 Fleet GPRS Server

Additional Requirement: The machine in which you will install the GPRS Server must be accessible outside by the Tramigo devices, that is, it must have an accessible public IP assigned to the machine or additional network knowledge in port forwarding. By default the GPRS Server uses the port 9566 for device communication and 9565 for M1 Fleet Enterprise Client Communication.

- 1.) Be aware of what type of network connections you have available to connect to a server either by LAN or via the Internet.
 - a. Given that the server have public IP available that is reachable outside LAN network, on the remote client to make sure that you have a stable connection to the server, general rule is always try to ping that PUBLIC IP continuously and check if there will be timeouts.

*To ping: go to command prompt and type
ping (ipaddress) /t
sample: ping 192.168.0.1 /t*

- b. If one is connecting via LAN and both remote client and server is on same network, just a continuous ping would easily tell you if you have good LAN connection to the server. Sometimes if different subnet, a configuration on router might be done as well.
- 2.) After installation of M1 Fleet Enterprise Client, the default setting is it will try to connect to a locally installed M1 Fleet Enterprise Servers, but if it cannot connect, it will ask for the IP Addresses of the remote server for connection. One must know what IP Address the server is using for proper and stable connection. Refer to No. 1 item for checking the stability of the IP connections via ping.
- 3.) For those who will be enabling GPRS in M1 Fleet Enterprise client, currently one must edit the configuration file by
 - a. Go to installation directory of M1 Fleet Enterprise Client (C:\Program Files\Tramigo\Tramigo M1 Fleet Enterprise Client\) look for the file Tramigo.M1.Win.Client.exe.config.
 - b. Edit the file and look for:

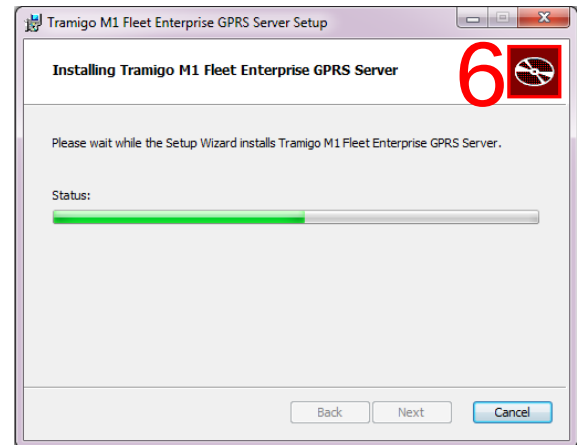
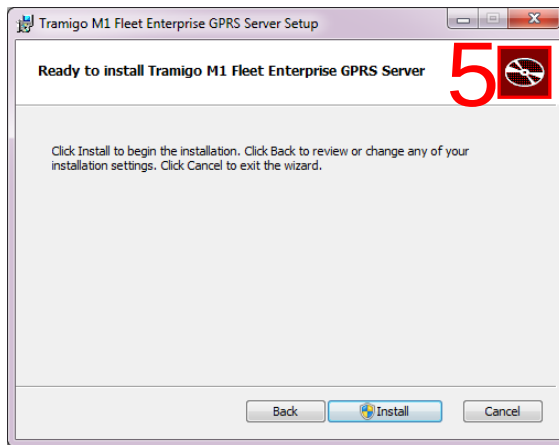
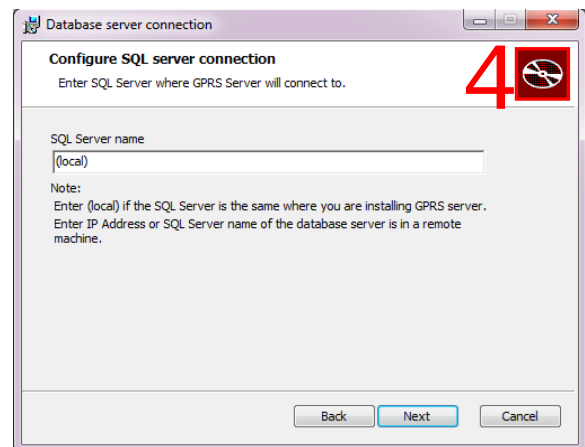
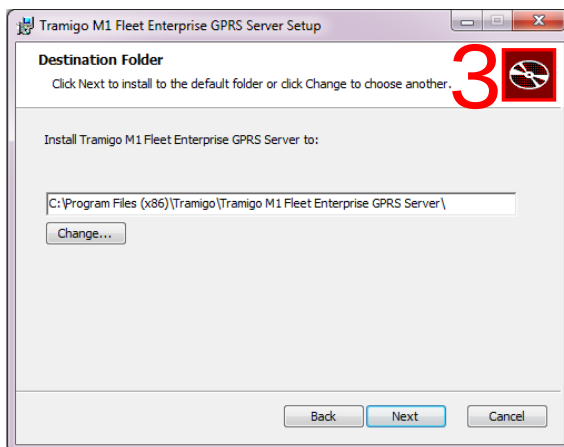
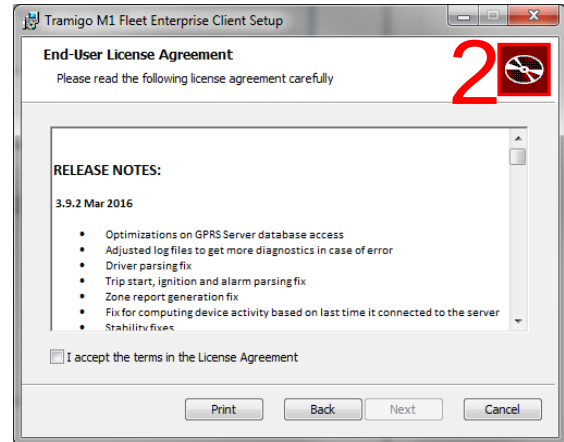
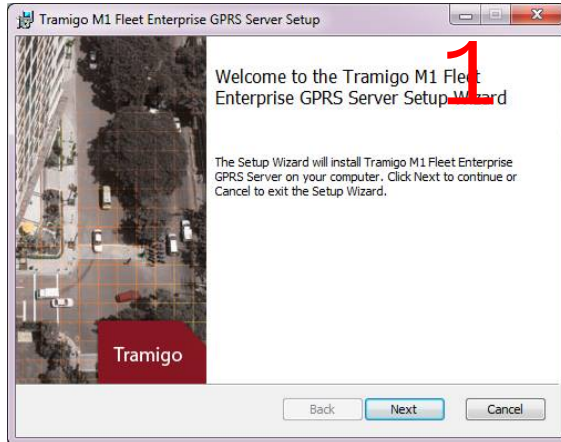
`<add key="gprsenabled" value="0"/>`
and change to:
`<add key="gprsenabled" value="1"/>`
 - c. Save

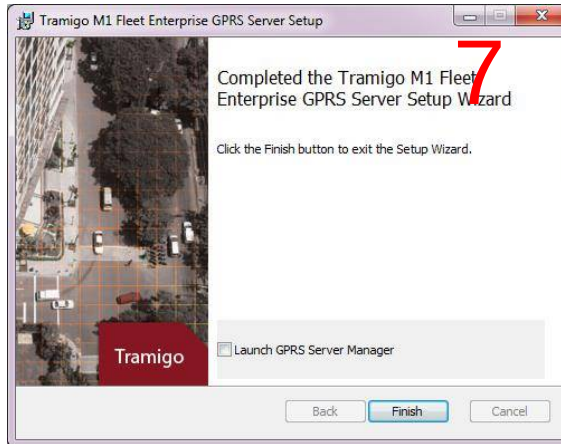
NOTE: Sometimes UAC on Windows 7 and Vista is preventing direct changes to any files on directories of Programs:

To overcome this, copy the config file to a folder outside, then edit that copy, save and then replace the one in the program files with the edited copy.

Installing of M1 Fleet Enterprise GPRS Server is simple just proceed with the installation and follow the screen instructions.

Shortcuts will be added to your desktop and start-menu for managing the service.





NOTE:

If M1FE Message Server Error popup before installation finish, verify that you have sufficient privileges to start the system. Check if fleet_gateway login has been created. If not please see page 20 on How to Create fleet_gateway login/user.



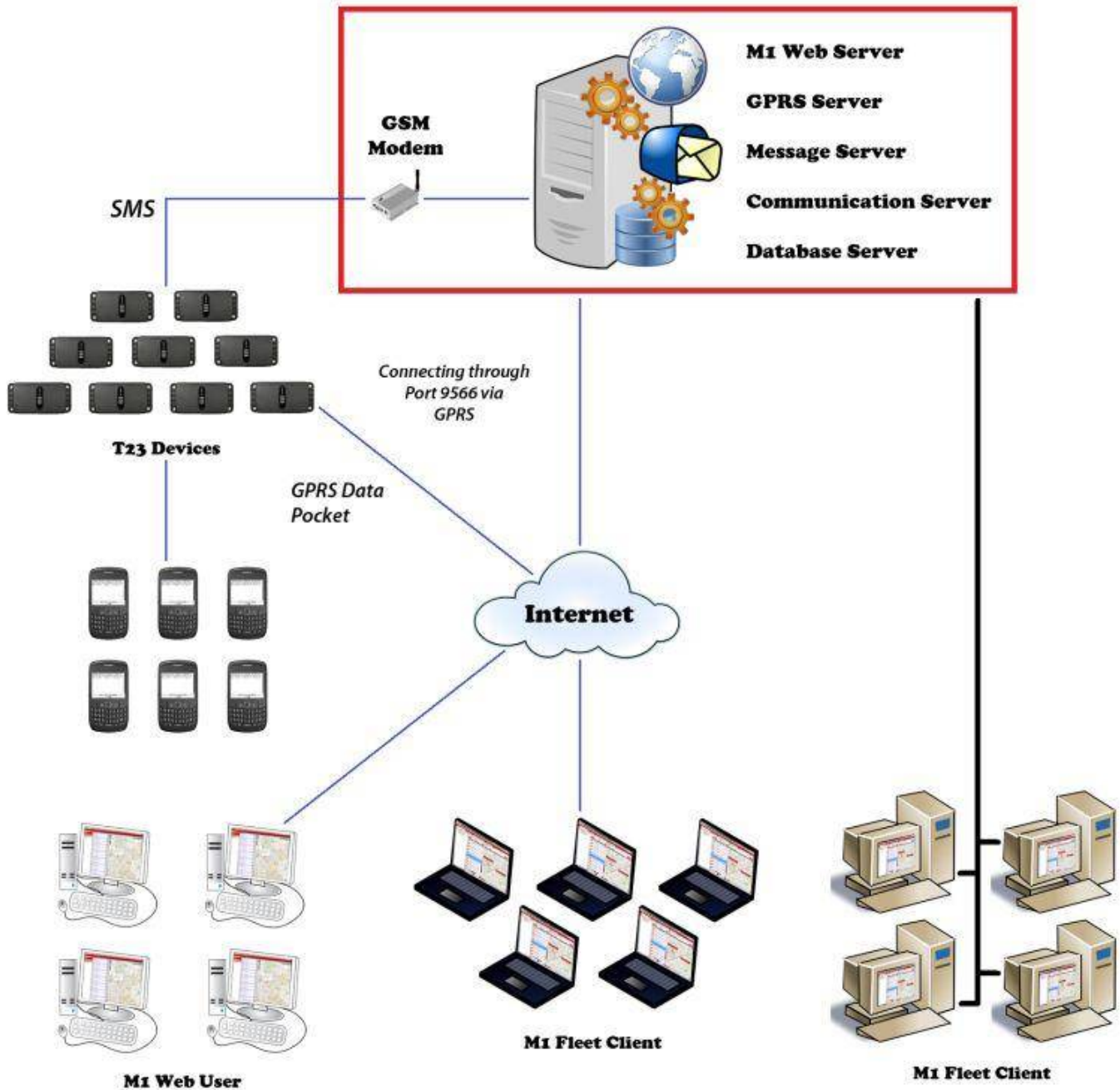
- END OF INSTALLATION -

Common Installation Setup

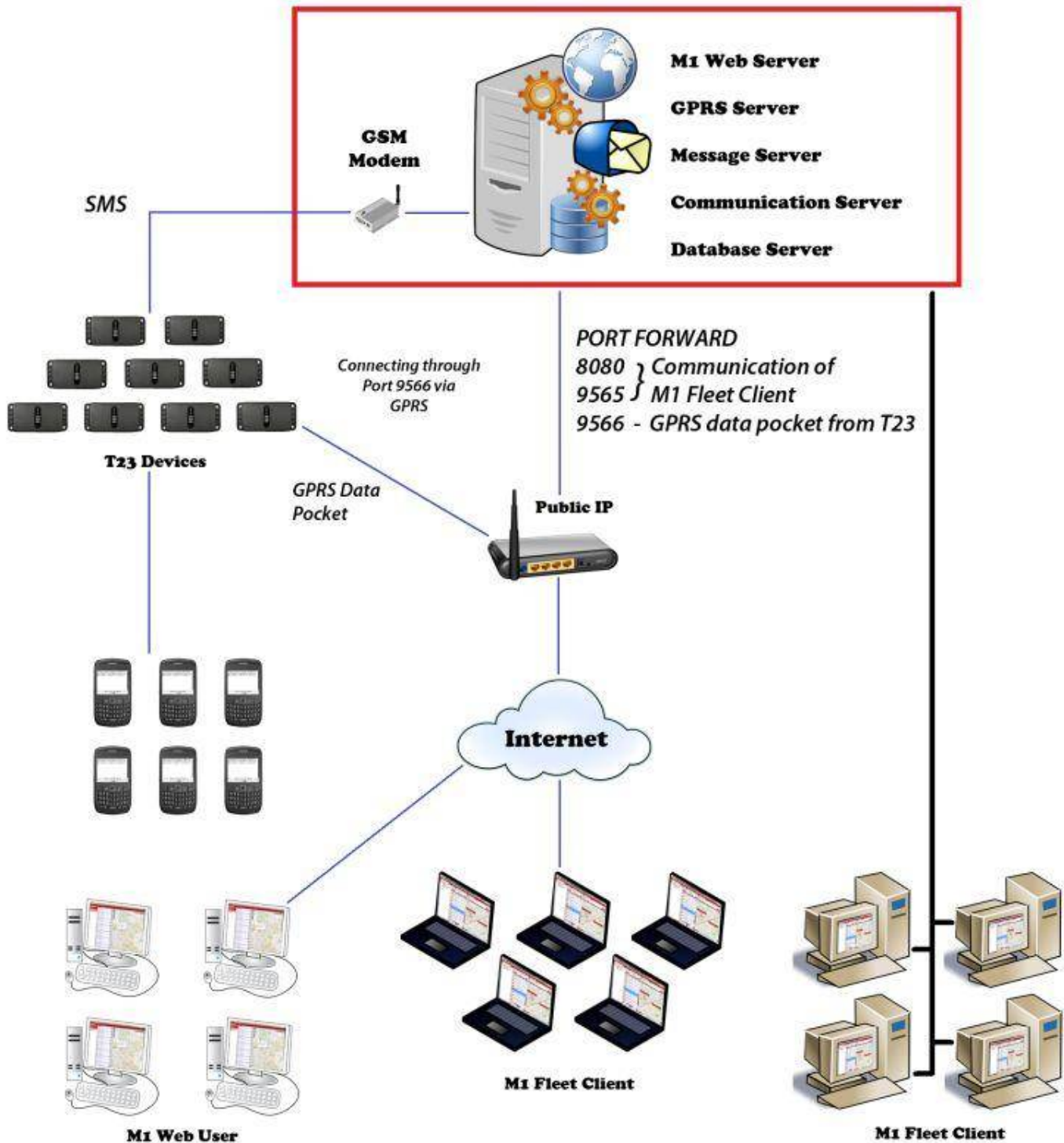
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One Server without Router



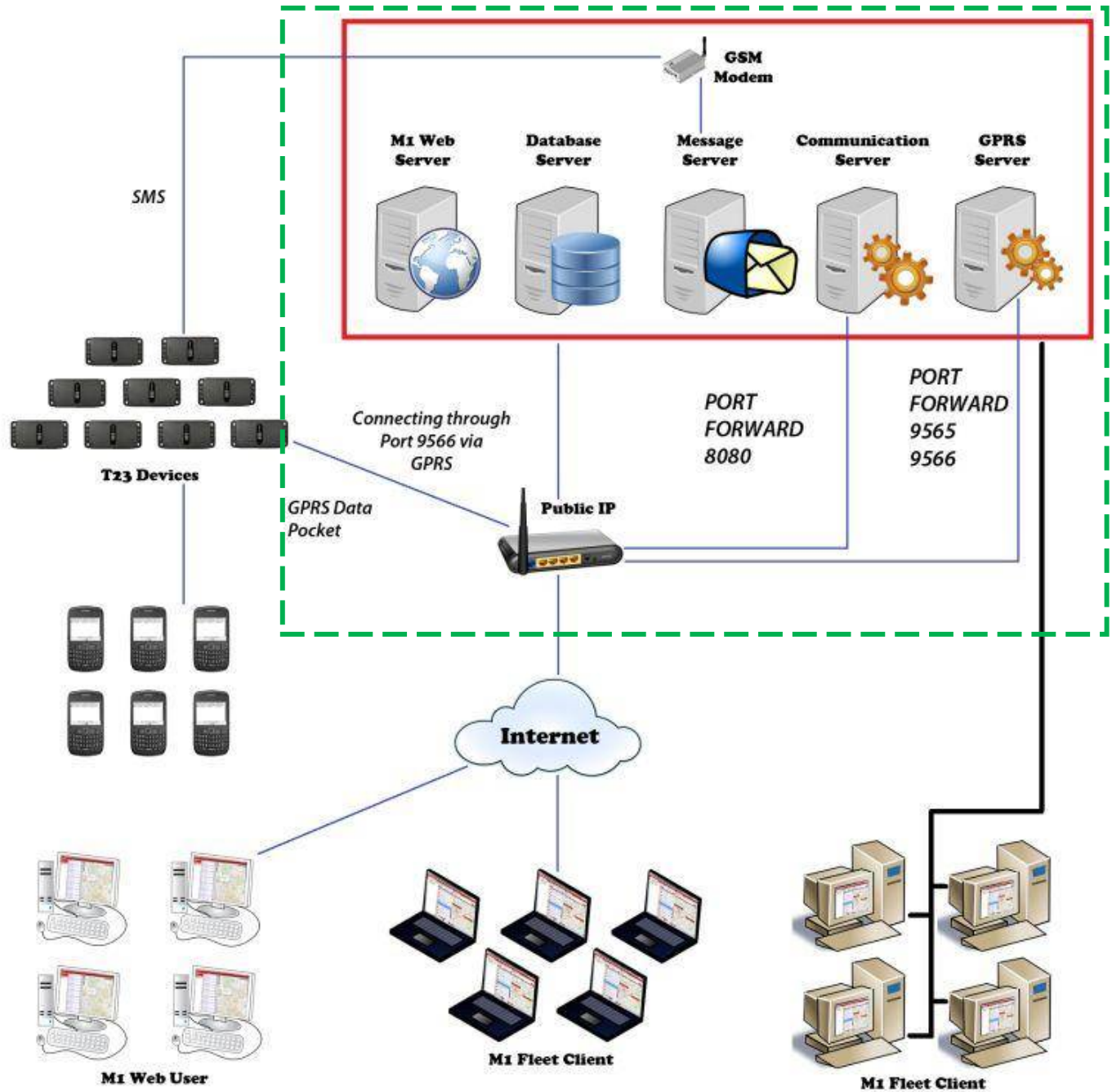
One Server with Router



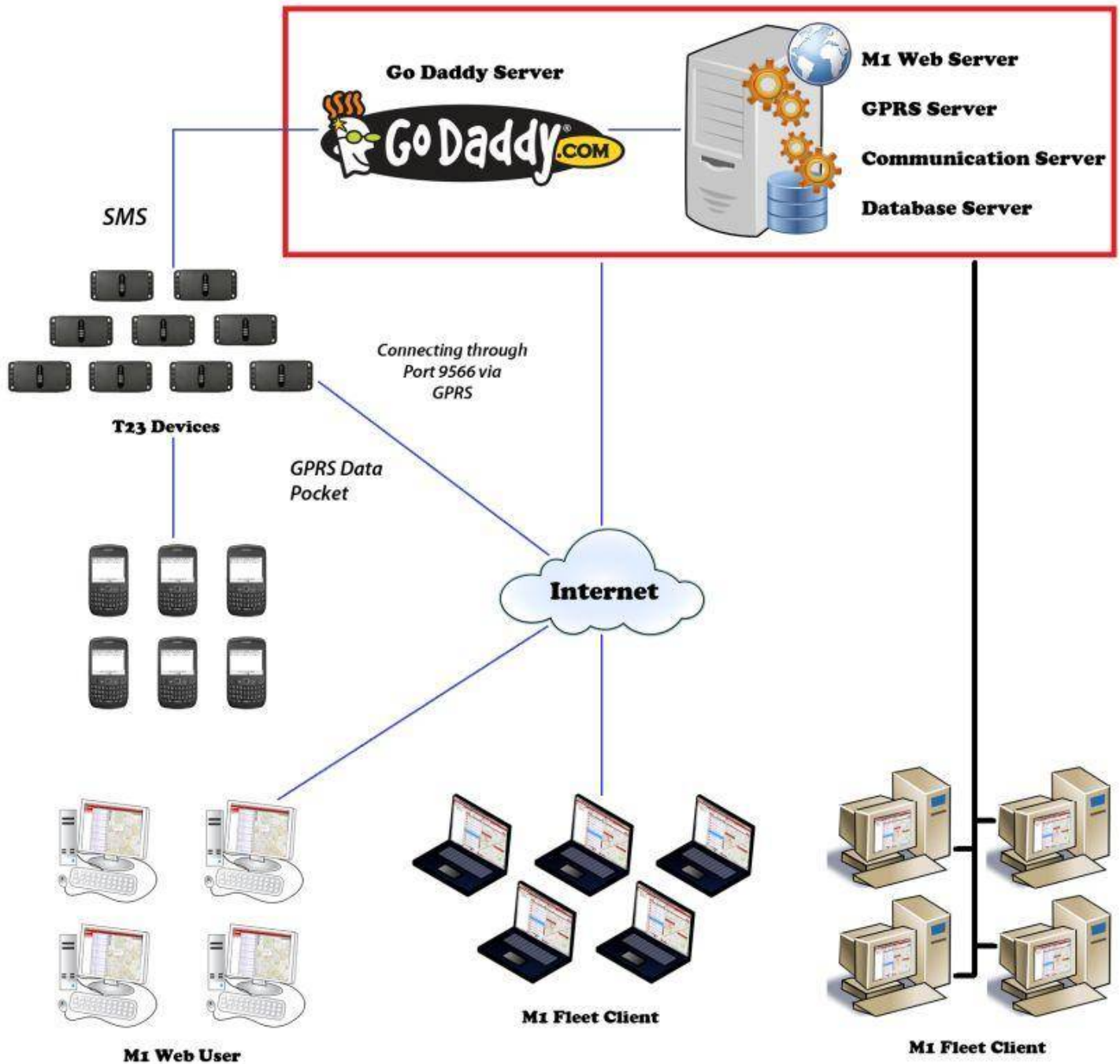
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Multiple Servers



GoDaddy Server



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