MILLENNIUM ULTRA Installation Guide

Table of Contents:

Technical Requirements	3
Package Contents	4
1. Checking your OS Version	5
2. Millennium Ultra Setup algorithm	6
3. Running the Millennium Ultra Setup program	7
4. Millennium Ultra Desktop Client Installation	
5. Running the Millennium Ultra Application	22
6NET Framework 4.5 Installation / Configuration	23

Technical Requirements

a) Hardware Requirements:

- 1 GHz or faster processor
- 1024 MB RAM
- 1 GB available hard disk space (x86)
- 2 GB available hard disk space (x64)

b) Supported Operating Systems:

Windows 7 Service Pack 1, Windows Server 2008 R2 SP1, Windows Server 2008 Service Pack 2, Windows Vista Service Pack 2, Windows 8, Windows 10, Windows Server 2012.

- Windows Vista SP2 (x86 and x64)
- Windows 7 SP1 (x86 and x64)
- Windows Server 2008 R2 SP1 (x64)
- Windows Server 2008 SP2 (x86 and x64)
- Windows 8
- Windows 8.1
- Windows Server 2012

c) .NET Framework 4.5 or higher.

For earlier MS Windows versions .NET 4.5 could be downloaded from http://go.microsoft.com/fwlink/?LinkId=225702

d) **Microsoft® SQL Server® 2008 Express with Advanced Services** or higher. For example, **Microsoft® SQL Server® 2014 Express with Advanced Services** could be downloaded from <u>http://www.microsoft.com/en-us/download/details.aspx?id=42299</u>.

e) Microsoft SQL Server Management Studio Express 2005 or higher. It could be downloaded from http://www.microsoft.com/en-us/download/details.aspx?id=8961.

Package Contents

The installation package comes with the following 5 files and 1 folder:

Name	Date modified	Туре	Size
SqlExpress	06/09/2016 11:00	File folder	
autoRun.inf	12/18/2014 17:33	Setup Information	1 KB
🛃 Millennium.Ultra.msi	06/01/2016 14:34	Windows Installer Package	54,067 KB
🚱 Setup.exe	06/01/2016 14:34	Application	364 KB
Setup.exe.config	06/01/2016 11:22	CONFIG File	2 KB
🙆 Setup.ico	12/18/2014 17:33	ICO File	161 KB

SqlExpress folder contains links.txt file where the following links for downloading MS SQL Server Express and instructions are listed:

Download **Microsoft® SQL Server® 2014 Express** with Advanced Services from page http://www.microsoft.com/en-us/download/details.aspx?id=42299

Direct Url:

x86:

http://download.microsoft.com/download/E/A/E/EAE6F7FC-767A-4038-A954-49B8B05D04EB/ExpressAndTools%2032BIT/SQLEXPRWT_x86_ENU.exe x64:

http://download.microsoft.com/download/E/A/E/EAE6F7FC-767A-4038-A954-49B8B05D04EB/ExpressAndTools%2064BIT/SQLEXPRWT_x64_ENU.exe

Unpack installation file by command SQLEXPRWT_x86_ENU.exe /x (SQLEXPRWT_x64_ENU.exe /x for x64) and place all extracted files in this folder

Note: If any Microsoft® SQL Server® with Advanced Services is not installed on your system, we recommend you to download installation files of Microsoft® SQL Server® 2014 Express with Advanced Services and unpack them as described in links.txt before running the Setup.exe.

1. Checking your OS Version

To check which OS version is installed on your PC, right-click on **My Computer** icon and select **Properties**. The system information screen will be displayed:



If you have installed Microsoft Windows 8 or higher, then proceed directly to **Paragraph 3**. If you have installed Microsoft Windows 7 or earlier, then proceed to **Paragraph 7** and install:

a) Microsoft .NET Framework 4.5

b) Microsoft IIS 8.0 or higher.

After that you may run the **Millennium Ultra** Setup program which is discussed in **Paragraph 3**.

2. Millennium Ultra Setup algorithm

After its launching, the Setup.exe checks for the following conditions:

- a. Is Millennium Ultra already installed on this computer?
- b. Is MS SQL Server Instance with the name Ultra installed on this computer?
- c. Does the \SqlExpress installation folder contain MS SQL Server distributive?

If both two first parameters (**a**. and **b**.) are not met, i.e. **Millennium Ultra** is not installed and **Instance** with the name **Ultra** does not exist, **AND** the MS SQL Server installation package exists in **\SqlExpress** installation folder (**c**.), then the following button ("**Install SQL Server**") appears:



Follow the instructions described at the very beginning of Paragraph 3

("Running the Millennium Ultra Setup program")

By default MS SQL Server is installed with following parameters:

User Name: SA

User Password: Ultra.2016

Instance name: Ultra

When you continue any further installation steps (after clicking on the "**Install Millennium Ultra**" button), the setup by default will try to install **Millennium Ultra** database to the **Ultra** instance.

3. Running the Millennium Ultra Setup program

Run the Setup.exe, which is supplied within your Millennium Ultra installation package:

17	Millennium Ultra Setup	
MILLENNUM SECURE YOUR WORLD		Install Sql Server
		Install Millennium Ultra
		Exit

By clicking the "**Install SQL Server**" button, the Microsoft SQL Server 2014 will be installed. The previous MS SQL Server instances will not be affected, as well as all the existing obsolete databases will remain untouched.

The step-by-step installation screens for Microsoft SQL Server 2014 are shown below:

stall Setup Files		
stallation Progress		
	Task	Status
	Scan for product updates	Completed
	Download Setup files	Skipped
	Extract Setup files	Skipped
	Install Setup files	Not started

8	SQL Server 2014 Setup	×
Installation Progress		
Install Setup Files Installation Progress		
	Producing intermediate status logs.	
	Next > Cancel Help	

\$	SQL Server 2014 Setup	
Installation Progress		
Install Setup Files Installation Progress	Initializing Windows Installer actions.	
	Next > Cancel	Help

ŧ.	SQL Server 2014 Setup		×
Installation Progress			
Installation Progress	Install_sql_engine_core_inst_Cpu32_Action : InstallFiles. Copying new files		
	Next > Cancel	 Help	

Now, the Microsoft SQL Server 2014 is installed.

Click on the second button, "Install Millennium Ultra".

17	Millennium Ultra Setup	
MILLENNUM SECURE YOUR WORLD		Install Sql Server
		Install Millennium Ultra
		Exit

After clicking on the "Install Millennium Ultra" button,

the following screen will appear:

17	Millennium Ultra Setup
MILLENNUM SECURE YOUR WORLD	Welcome to the MPW.Net Setup Wizard
	Please wait while the Setup Wizard prepares to guide you through the installation.
	Back Next Cancel

To start the installation process, click the **Next** button:



Read the License Agreement:

17	Millennium Ultra Setup
End-I Plea	User License Agreement ase read the following license agreement carefully SECURE YOUR WORLD
MII	LLENNIUM GROUP, INC. SOFTWARE LICENSE AND WARRANTY
LIC The "Sc Inc lav Whi	CENSE AND WARRANTY: a software which accompanies this license (the oftware") is the property of Millennium Group, c. or its licensers and is protected by copyright w. ile Millennium Group, Inc. continues to own the ftware you will have certain rights to use the accept the terms in the License Agreement
	Print Back Next Cancel

Check the "I accept..." checkbox and click the **Next** button:



The screen with Millennium Ultra setup options will appear:

🖓 Millennium Ultra Setup 📃 💶 🔤 🔤
Choose Setup Type Choose the setup type that best suits your needs SECURE YOUR WORLD
Ivpical Installs the most common program features. Recommended for most users.
Custom Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
Complete All program features will be installed. Requires the most disk space.
<u>B</u> ack <u>N</u> ext Cancel

Typical setup is used in most common cases. By selecting this option, the most common program features will be installed. This option is recommended for most users.

Custom setup allows users to choose what program features will be installed. Also, any custom locations for the **Millennium Ultra** software files may be selected. This option is recommended for advanced users.

Complete setup is also used in common cases. By selecting this option, all program features will be installed. This option requires the most disk space.

Below there are available options which could be selected when **Custom setup** was chosen:

🖓 Millennium Ultra Setup 🛛 🗕 🗖 🗮 🗙		
Custom Setup Select the way you want features to be installed	MILLENNIUM SECURE YOUR WORLD	
Click the icons in the tree below to change the w	ay features will be installed.	
Image: Milennium Ultra Application Image: Database Image: Database	Full Installations This feature requires 0KB on your hard drive. It has 0 of 5 subfeatures selected. The subfeatures require 8KB on your hard drive.	
F:\Program Files\Millennium Group Inc\Millennium Ultra\		
Reget Disk Usage Back Next Cancel		

After choosing all necessary program components, click the "Next" button.

SQL Server configuration screen will be displayed:

ii 🖁 Se	elect Sql Server	
Sql Server configuration Select Sql Server and configure con	nection	MILLENNUM SECURE YOUR WORLD
Server name		
PC\SQLEXPR	~	
Windows Authentication SQL Server Authentication User Name		
Password Test connection		
	Back	<u>N</u> ext Cancel

Choose the Sever name and select the required Authentication type. Most commonly used Authentication type is **Windows Authentication**.

Press "**Test connection**" button to check that the connection to Server is correct. In case of any connection errors, the corresponding information popup with the connection error description will be displayed.

In case when the **Millennium Ultra** Database already exists (for example, it remained after previous installations and software use), the following popup will be displayed:

17	Select Sql Server	
Sql Server con Select Sql Serv	nfiguration ver and configure connection	MILLENNIUM SECURE YOUR WORLD
Server name		
PC\SQLEXPP	R V	
© _i ₽	Invalid Logon	
c us 🚹	Database MilleniumMaster already exists.	
Pa	OK	
Test	t connection	
	Back	<u>N</u> ext Cancel

In this case, the previous **Millennium Ultra** SQL database could be deleted or renamed, as well as the Operator can return "**Back**" and choose the **Custom setup** where to unselect the Database Setup. This decision should be taken basing on circumstances.

When done, click the "Next" button. The IIS Configuration screen will be displayed:

17	IIS configuration		
IIS configuration Millennium Ultra Web site config	uration	MILLE SECURE YO	
Install as Default Web Site Install as Virtual Web Site Web Site Name Default Web Site Web Site Port 80			
	Back	Next	Cancel

When done, click the "Next" button. The Port Configuration screen will be displayed:

i₽	Port configuration	
Port configuration Choose port used by applica	tions	MILLENNIUM SECURE YOUR WORLD
Scheduler Service Port:	8733	
Routing Manager Port:	8737	
Controller Manager Port:	8735	
ExTask Manager Port:	8741	
	<u>B</u> ack	Next Cancel

Choose the required port numbers for Schedule Service, Routing Manger and Controller Manager. By default they are:

Scheduler Service Port – 8733 Routing Manger Service Port – 8737 Controller Manager Service Port – 8735 ExTask Manager Service Port – 8741

Port numbers should be changed in case when they are already used by other software. When done, click the "**Next**" button. The Database Configuration screen will be displayed:



Choose the required paths to the Database file and Log file.

The physical location of **Millennium Ultra** Database file and **Millennium Ultra** Log file depend on version of the installed Microsoft SQL Server.

The physical location of **Millennium Ultra** Database file and **Millennium Ultra** Log file could be changed if necessary.

When done, click the "Next" button. "Ready to Install" screen will be displayed:



Click "Install" Button. The installation process will start since this point:

17	Millennium Ultra Se	etup
	Installing Millennium Ultra	MILLENNIUM SECURE YOUR WORLD
	Please wait while the Setup Wizard installs Millennium Ultr	a.
	Status: Starting services	
	Back	<u>N</u> ext Cancel

When the Millennium Ultra Setup will complete, the following screen will appear:

17	Millennium Ultra Setup
MILLENNUM SECURE YOUR WORLD	Completed the Millennium Ultra Setup Wizard
	Click the Finish button to exit the Setup Wizard.
	Back Einish Cancel

The Setup is completed now. Click the "Finish" button.

4. Millennium Ultra Desktop Client Installation

To obtain the Desktop Client's installation, you should type the following string in any of your browsers:

http://[ultra server name]:[port number]

Ultra server name is the name of your Ultra Server.

Port number is configured during IIS installation (by default - 80).

For example, use this simple string by default: http://localhost

The Ultra server will create a **Setup.exe** file (1,179,648 bytes).

It will be located in your browser's folder for Downloads:

Users → A	dmin → Downloads →		Y	Ç	Search Dow.
	Name	Date modified	Туре	S	ize
	🔂 SeaMonkey Setup 2.40.exe	05/18/2016 17:53	Application		35,414 KB
	💸 setup.exe	05/28/2016 15:07	Application		1,152 KB
	搦 setup_magicdisc.exe	07/04/2015 16:29	Application		1,321 KB

-0-	setup.exe
Type of file:	Application (.exe)
Description:	Setup
Location:	F:\Users\Admin\Downloads
Size:	1.12 MB (1,179,648 bytes)
Size on disk:	1.12 MB (1,179,648 bytes)
Created:	May 28, 2016, 15:07:43
Modified:	May 28, 2016, 15:07:43
Accessed:	June 9, 2016, 14:26:09
Attributes:	Read-only Hidden Advanced

This file should be launched in order to obtain your WPF-based Desktop Client application (Millennium Ultra.exe). So, run the obtained Setup.exe file at first.

The installation of a Microsoft Report Viewer 2014 Runtime will be initiated:



This component is required for Millennium Ultra.

Please read the agreement and press the Accept button.

The Setup will continue.



Next, the following security warning may appear:



Click on Install button. The installation process will continue:

(90%) Installing Millennium Ultra	
Installing Millennium Ultra This may take several minutes. You can use your computer to do o during the installation.	ther tasks
Name: Millennium Ultra	
From: 127.0.0.1	
Downloading: 40.9 MB of 45.4 MB	
	Cancel

At the very end of installation the login window will appear:

🚨 Mi	illennium Ultra Login 🛛 🔜
	Less Options 🔿
<u>S</u> erver Url:	http://127.0.0.1
<u>C</u> ompany Name:	My Company
<u>L</u> ogin Name:	Admin
<u>P</u> assword:	
	OK Cancel

Enter the default Login data as shown above and click OK button to run the WPF-based Desktop Client application (Millennium Ultra.exe):

🙆 N	Aillennium	Ultra										- 🗆	×
۵	Home	Hardware	System Adr	ministartior	Settings	Diagnostics	Database Fun	ctions	Historical Log	Maps	Reports	External S	ystems
Eve (Alarms (0)	Enable En	ed creen Verification de	Event Filter	Clear J Log M Events	All Events lessage	Acknowledge Alarm	Clair Clair Clair Alar	ear Resolved Al ear Selected Ala sable Alarm Sou ms	arm arm und	Hot Commar Cor	Opera ods Cont mmands	ator rol
ID	Time		Category		Name		Status		Origin		Addit	tional Info	
203	9 6/9/2016 2	:39:42 PM	Operator		admin	[Operator logg	jed on					
													11.

Pin this program to your taskbar if necessary.

5. Running the Millennium Ultra Application

Run the installed application (Millennium Ultra.exe).

The Login window will be opened:

٢	Millennium Ultra Login						
	More Options 👻 Login Name: Password: OK Cancel						

Click on "More Options"

Enter the <u>Server Url</u> - <u>http://127.0.0.1/</u>, <u>http://localhost/</u>, <u>http://MillenniumServer/</u>, <u>http://myserver.mydomen.com</u> etc.

Note: the <u>Server Url</u> name depends on the Application Name and Path which were assigned during IIS configuration. By default, try using <u>http://localhost</u>.

Enter the <u>Login Name</u> – admin. <u>Company Name</u> field should be left without changes. <u>Password field</u> should be empty.

The default Login window settings look like the following:

Millennium Ultra Login 🛛 💌	
	Less Options 🔿
Server Url:	http://127.0.0.1
<u>C</u> ompany Name:	My Company
Login Name:	Admin
Password:	
	OK Cancel

6. .NET Framework 4.5 Installation / Configuration

Note 1. Windows 8 does not require .NET Framework 4.5 installation:

Details

```
Microsoft .NET Framework 4.5 is already a part of this operating system. You do not need to install 
the .NET Framework 4.5 redistributable.
```

In order to install Millennium Ultra on Windows 8, switching on some additional

features may me required.

Open Control Panel => Turn Windows features on or off.

Your screen should look like shown on screenshot (a).

Check all checkboxes inside .Net Framework 4.5 Advanced Services

as shown on screenshot (b).



Note 2. In order to install **Millennium Ultra** on Windows 7 or earlier, please download .NET Framework 4.5 setup file from <u>http://go.microsoft.com/fwlink/?LinkId=225702</u> and install it.