



IRS MDBS 3.3.0

Documentation

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1 Definitions

Term	Definition
MDBS	Measurement Database System
WAMP	Windows Apache MySQL PHP software bundle
Apache	Webserver software
MySQL	Database server system
PHP	Programming language, mostly used for web development
PhpMyAdmin	MySQL Database Administration frontend written in PHP

2 About

The **IRS Measurement Database System (MDBS)** is mainly a **MySQL database server** for storing measurements from a **Life Time Tester (LTT)**.

The IRS MDBS is based on **Uniform Server Zero XI 11.7.6**, which is a so called **WAMP** (abbrev. of Windows/Apache/MySQL/PHP).

See also:

- http://en.wikipedia.org/wiki/LAMP_%28software_bundle%29
- <http://www.uniformserver.com/>

This means that IRS MDBS can be used for any task needing a MySQL database, Apache webserver, PHP or any combination of that.

The advantages of a WAMP bundle are that it is installation free and thus portable (you can start it from an USB stick if you want). It is also smaller in size compared to the full installer versions of those included software packages.

3 Installation

IRS MDBS comes as a self-extracting executable named **IRS_MDBS_x.x.x.exe**. To install it:

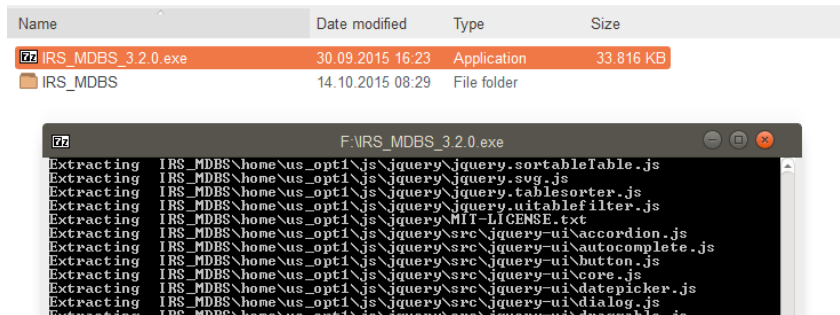
- 1) Place the installer into a folder or root of a hard disc drive where you want to install it.

Make sure that the location contains **no spaces** in its path. Examples:

- a. C:\IRS_MDBS_x.x.x.exe OK
- b. D:\IRS_MDBS_x.x.x.exe OK
- c. C:\Program Files\IRS\IRS_MDBS_x.x.x.exe NOK
- d. E:\LTT\IRS_MDBS_x.x.x.exe OK

The location you place the installer is called [LOCATION] from now on.

- 2) Double click the installer. It will start to extract its files into a folder [LOCATION]\IRS_MDBS



After extraction you will find 2 programs in your IRS_MDBS folder.

- UniController.exe
- MDBS.exe

You now have 2 possibilities:

Use **MDBS.exe** if you want install MySql and Apache Webserver as a **Windows service**. This means those applications will start automatically with Windows and run in background.

➔ see 3.1

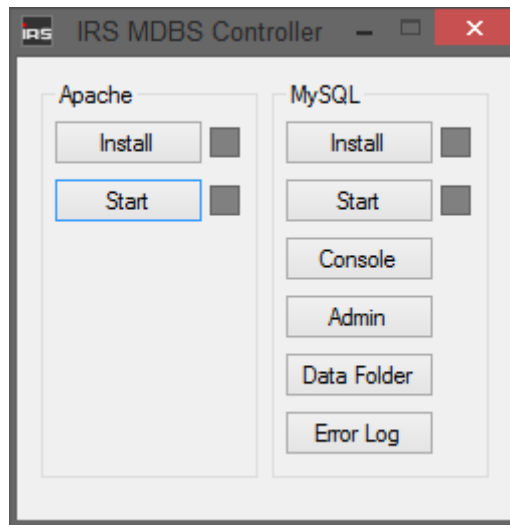
Use **UniController.exe** if you want to just **manually start** MySql and Apache. Those applications will not get registered as a service and will not automatically start with Windows

➔ see 4.1

For Life Time Tester (LTT) you have to install IRS MDBS as a service!

3.1 Installation as a service

Start MDBS.exe

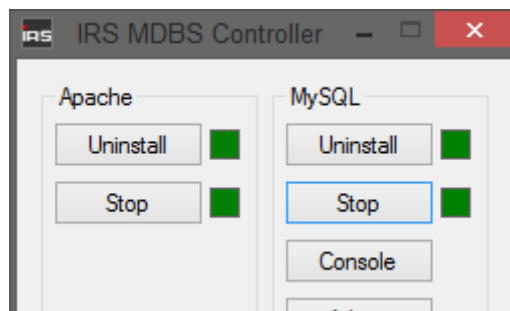


Click those buttons in the following order:

- 1) Apache Install
- 2) Apache Start
- 3) MySQL Install
- 4) MySQL Start

A Windows firewall dialog might appear in which you need to allow those services to operate.

If everything started successfully it should look like this.



You may close MDBS.exe now.

3.2 Support for old LDSAGui

If you want to use IRS MDSB together with IRS *LDSAGui* software you need to execute an additional script which you will find at **[LOCATION]\irs\ldsa_legacy\install.bat**.

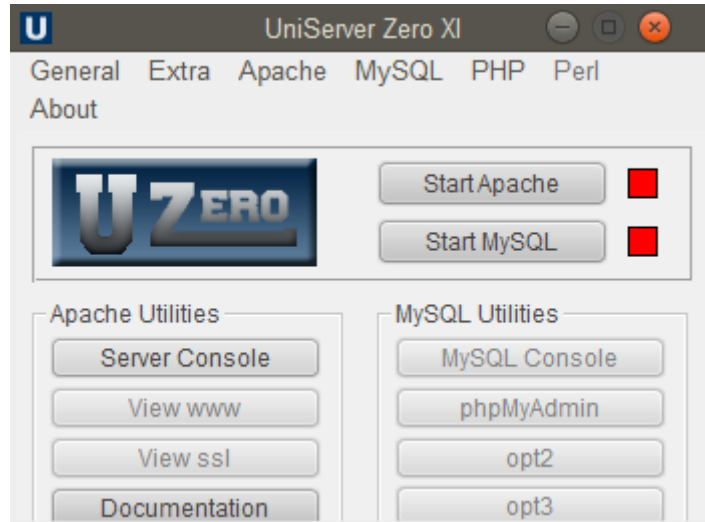
Please execute this script as Administrator!

4 Usage

4.1 Starting manually

Do not start manually if you have installed it as a service (see 3.1)!

If you start UniController.exe you will see the following window.



You can start the Apache webserver and MySQL database by the corresponding buttons.

4.2 Verifying that everything is working

Open a browser (IE, Firefox, Chrome etc.) and type <http://localhost/> into the location bar of your browser. You should see the following web page:

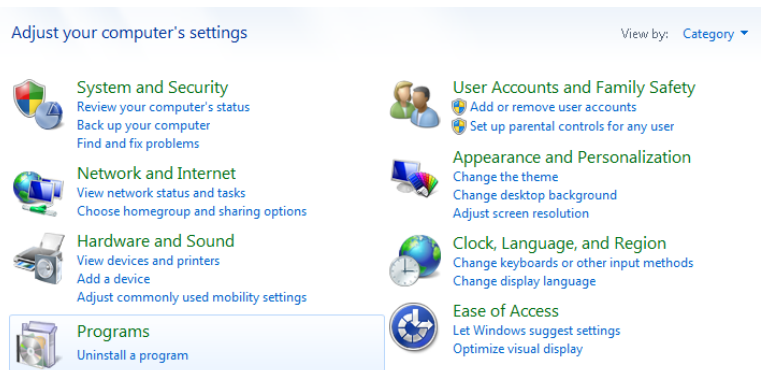


If, by any chance, you see the following page instead

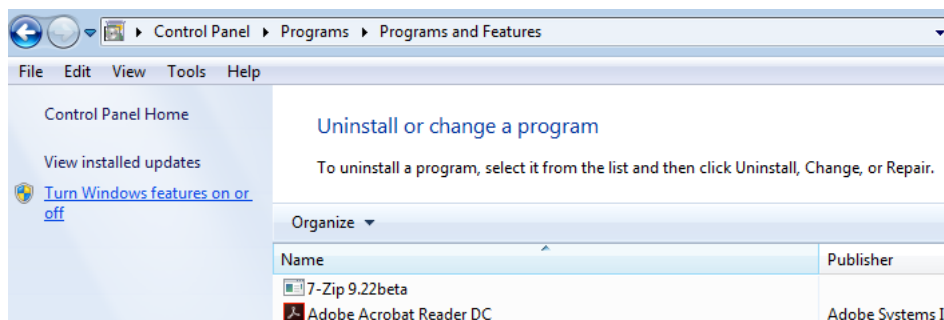


Then you have the **Microsoft Internet Information Server (IIS)** installed and running. IRS MDBS will not work when IIS is installed. To uninstall IIS perform the following steps:

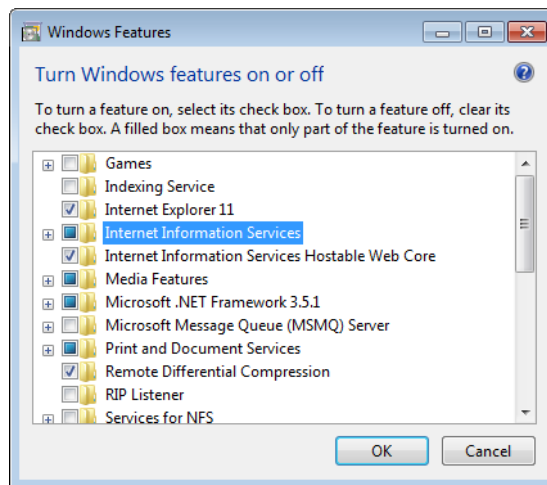
- 1) Open Windows control panel | Uninstall a program



- 2) Click **Turn Windows features on or off**



- 3) Deselect **Internet Information Services** and **Internet Information Services Hostable Web Core** and click OK.



After IIS was uninstalled you should see the correct website at <http://localhost/> (try to refresh the page a few times).

4.3 The LTT measurement database web frontend

Go to URL <http://localhost/ldsa/main/>

Feel free to bookmark this page and/or set it as your browser's start page.

4.4 MySql administration

Go to URL <http://localhost/phpmyadmin>

Use this tool with care and only if you know what you are doing.

4.5 MySql connection information

If you want to connect to the running MySql server with your own programs you can do this by providing an IP address and port, a username, a password and the database name.

IP: 127.0.0.1
Port: 3306
User: ltt
Pass: irs
Database: ldsa