

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
РНР	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
- <u>http://www.uniformserver.com/</u>

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

d. E:\LTT\IRS_MDBS_x.x.x.exe

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

ame	Date modified	Туре	Size	
ZIRS_MDBS_3.2.0.exe	30.09.2015 16:23	Application	33.816 KB	
IRS_MDBS	14.10.2015 08:29	File folder		
72	F:\IRS_MDBS_	3.2.0.exe		🖻 回 😣
Extracting IRS_MDBS\home\u Extracting IRS_MDBS\home\u	s_opt1\js\jquery s_opt1\js\jquery	∖jquery.sortabl ∖jquery.svg.js	eTable.js	<u> </u>
Extracting IRS_MDBS\home\u Extracting IRS_MDBS\home\u	s_opt1\js\jquery s_opt1\js\jquery	∖jquery.tableso ∖jquery.uitable \MIT_LICENSE ty	rter.js filter.js +	
Extracting IRS_NDBS\home\u Extracting IRS_MDBS\home\u	s_opt1\js\jquery s_opt1\js\jquery s_ont1\js\jquery	\src\jquery-ui\ \src\jquery-ui\	accordion.js autocomplete.j	s
Extracting IRS_MDBS\home\u Extracting IRS_MDBS\home\u	s_opt1\js\jquery s_opt1\js\jquery	\src\jquery-ui\ \src\jguery-ui\	button.js core.js	
Extracting IRS_MDBS\home\u	s_opt1\js\jquery	\src\jquery-ui\	datepicker.js	

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.

U UniSer	ver Zero XI 🛛 😑 💷 😣
General Extra Apache	MySQL PHP Perl
About	
TT 7ERO	Start Apache
	Start MySQL
Apache Utilities	MySQL Utilities
Server Console	MySQL Console
View www	phpMyAdmin
View ssl	opt2
Documentation	opt3

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 <u>http://localhost/</u> into the location bar of your browser. You should see the following web page:

Uniform Server A lightweight mobile WAMP Server Solution. ZeroXI - 11.7.6	
Welcome to The Uniform Server	
This test page index.php was served from root folder UniServerZ\www	
	_
Rone: Please read manual page: Instailing your website of rest pages.	
Server links	
spass (page obspage server specification and users links. https://ddminer. Melliner.	
Served Subdirectories	
None	
Served PHP Files	
None	
Developed By The Uniform Server Development Team	

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

	ようこそ Bienvenido	
Willko	mmen Bem-	vindo
Rienvonuo		Vitejte
Dienvenue		Tervetuloa
制火业	TIC7	ברוכים הבאים
Velkommen		VELKOMEN
Benvenuto	11 77	欢迎
Welkom	110/	1912
Välkommon	internet information services	Witamy
valkommen		مرحبا
Hoş Geldi	niz 환	영합니다
Ü	dvözöljük Καλώς ορίσατ	3

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

Adjust y	our computer's settings		View by: Category 🔻
P	System and Security Review your computer's status Back up your computer Find and fix problems	.	User Accounts and Family Safety Safety Add or remove user accounts Set up parental controls for any user Accounts and Desconalization
٩	Network and Internet View network status and tasks Choose homegroup and sharing options	S	Change the theme Change desktop background Adjust screen resolution
-0	Hardware and Sound View devices and printers Add a device Adjust commonly used mobility settings	Ð	Clock, Language, and Region Change keyboards or other input methods Change display language
	Programs Uninstall a program		Let Windows suggest settings Optimize visual display

2) Click Turn Windows features on or off

O ♥ I > Control Panel → Programs → Programs and Features ♥				
File Edit View Tools Help				
Control Panel Home View installed updates	Uninstall or change a program To uninstall a program, select it from the list and then click Uninstall, C	hange, or Repair.		
off	Organize 🔻			
	Name	Publisher		
	■ 7-Zip 9.22beta Adobe Acrobat Reader DC	Adobe Systems I		

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 <u>http://localhost/</u> (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