

## Installationsleitfaden MySQL



🙀 MySQL Server 4.1 - Setup Wizard 🚬 🖄			
	Welcome to the Setup Wizard for MySQL Server 4.1 The Setup Wizard will install MySQL Server 4.1 release 4.1.13 on your computer. To continue, click Next.		
MySQL.	WARNING: This program is protected by copyright law.		
	< <u>B</u> ack <u>Next</u> > Cancel		

Start der Installation mit "mysql-4.1.13-win32.exe"



👹 MySQL Server	4.1 - Setup Wizard			X
Setup Type Choose the set	tup type that best suits y	our needs.		$\bigcirc$
Please select a	setup type.			
• Typical	Common program featu general use.	res will be installed	. Recommended for	r
© <u>C</u> omplete	All program features wil space.)	l be installed. (Req	uires the most disk	
© Cu <u>s</u> tom	Choose which program will be installed. Recomr	features you want nended for advanc	installed and where ed users.	e they
		< <u>B</u> ack	<u>N</u> ext >	Cancel
Aus	wahl des typisc	hen Installa	ationsumfar	nges

MySQL.com Sign Up - Setup Wizard	×
<b>MySQL.com Sign-Up</b> Login or create a new MySQL.com account.	$\bigcirc$
Please log in or select the option to create a new account.	
Create a new free MySQL.com account	
If you do not yet have a MySQL.com account, select this option and complete the following three steps.	
C Login to MySQL.com	
Select this option if you already have a MySQL.com account. Please specify your login information below.	
Email address:	
Password:	
Skip Sign-Up	
Next >	Cancel

Übergehen der Einrichtung eines MySQL Accounts



🖶 MySQL Server 4.1 - Setup Wizard 🛛 🔀				
	Wizard Completed			
	Setup has finished installing MySQL Server 4.1. Click Finish to exit the wizard.			
	Configure the MySQL Server now Use this option to generate an optimized MySQL config file, setup a Windows service running on a dedicated port and to set the password for the root account.			
MySQL				
	< Back <b>Finish</b> Cancel			

Auswahl der Option "MySQL Server jetzt einrichten"



weiter





Auswahl der Option "Detaillierte Konfiguration"

MySQL Server Instance Configuration Wizard	×		
<b>MySQL Server Instance Configuration</b> Configure the MySQL Server 4.1 server instance.			
Please select a server type. This will influence memory, disk and CPU usage.			
O Developer Machine			
This is a development machine, and many other applications will be run on it. MySQL Server should only use a minimal amount of memory.			
Server Machine			
Several server applications will be running on this machine. Choose this option for web/application servers. MySQL will have medium memory usage.			
O Dedicated MySQL Server Machine			
This machine is dedicated to run the MySQL Database Server. No other servers, such as a web or mail server, will be run. MySQL will utilize up to all available memory.			
< Back Next > C	ancel		

Auswahl der Option "Server"



MySQL Server Ins	tance Configuration Wizard			
MySQL Server ) Configure the N	Instance Configuration MySQL Server 4.1 server instance.			
Please select th	e database usage.			
Multifunct	ional Database			
	General purpose databases. This will optimize the server for the use of the fast transactional InnoDB storage engine and the high speed MyISAM storage engine.			
🔿 Transactio	onal Database Only			
Optimized for application servers and transactional web applications. This will make InnoDB the main storage engine. Note that the MyISAM engine can still be used.				
O Non-Transactional Database Only				
2	Suited for simple web applications, monitoring or logging applications as well as analysis programs. Only the non-transactional MyISAM storage engine will be activated.			
	< Back Next > Cancel			

Auswahl Option "Multifunktionale Datenbank"

MySQL Server Instance Configuration Wizard			
MySQL Server Instance Configuration         Configure the MySQL Server 4.1 server instance.			
Please select the drive for the InnoDB datafile, if you do not want to use the default settings.  InnoDB Tablespace Settings Please choose the drive and directory where the InnoDB tablespace should be placed.  C:  Installation Path   Drive Info Volume Name: File System: NTFS			
2,7 GB Diskspace Used 7,1 GB Free Diskspace       < Back			

Auswahl des Laufwerkes und der Partition, auf die MySQL installiert werden soll



MySQL Server Instance Configuration Wizard			
MySQL Server Instance Configuration       Configure the MySQL Server 4.1 server instance.			
Please set the approximate number of concurrenct connections to the server. C Decision Support (DSS)/OLAP			
Select this option for database applications that will not require a high number of concurrent connections. A number of 20 connections will be assumed.			
C Online Transaction Processing (OLTP)			
Choose this option for highly concurrent applications that may have at any one time up to 500 active connections such as heavily loaded web servers.			
Manual Setting			
Please enter the approximate number of concurrent connections.			
< Back Next > Cancel			
Auguahl dar Maximalan Anzahl an Varhindungan			

Auswahl der Maximalen Anzahl an Verbindungen Richtwert: Anzahl der Clients x 2

MySQL Server Instance Configuration Wizard			
<b>MySQL Server Instance Configuration</b> Configure the MySQL Server 4.1 server instance.	$\bigcirc$		
Please set the networking options.			
✓ Enable TCP/IP Networking			
Enable this to allow TCP/IP connections. When disabled, only local connections through named pipes are allowed. Port Number:			
< Back Next >	Iancel		



MySQL Server Instance Configuration Wizard	×
<b>MySQL Server Instance Configuration</b> Configure the MySQL Server 4.1 server instance.	$\bigcirc$
Please select the default character set.	
🔿 Standard Character Set	
Hello! Makes Latin1 the default charset. This character set is suited for English and other West European languages.	
O Best Support For Multilingualism	
Make UTF8 the default character set. This is the recommended character set for storing text in many different languages.	
Manual Selected Default Character Set / Collation	
Please specify the character set to use.	
Character Set:	
< Back Next >	Cancel

Einstellung "Character Set" (Zeichensatz für Windows) richtiger Wert: latin1



MySQL Server Instance Configuration Wizard 🛛 🔀			
<b>MySQL Server Instance Configuration</b> Configure the MySQL Server 4.1 server instance.	$\bigcirc$		
Please set the Windows options.			
✓ Install As Windows Service			
This is the recommended way to run the MySQL server on Windows.			
Service Name: MySQL 💽	ally		
✓ Include Bin Directory in Windows PATH			
Check this option to include the directory containing the server / client executables in the Windows PATH variable so they can be called from the command line.			
< Back Next >	Cancel		

Auswahl des Windows Service und Vergabe eines Namens Achtung: Name muss im System eindeutig sein



MySQL Server	lySQL Server Instance Configuration Wizard 🛛 🛛 🔀			
MySQL Serv Configure th	MySQL Server Instance Configuration       Configure the MySQL Server 4.1 server instance.			
Please set t	he security options.			
🔽 Modify	Security Settings			
	New root password:	*****	Enter the root password.	
root	Confirm:	*****	Retype the password.	
		🔽 Enable root a	access from remote machines	
Create A	Create An Anonymous Account This option will create an anonymous account on this server. Please note that this can lead to an insecure system.			
	]	< Back	Next > Cancel	

Setzen der Sicherheitseinstellungen durch Administratorenpasswort "Enable root access from remote machines" ermöglicht dem Administrator den Serverzugriff von einem Clientrechner aus



MySQL Server Instance Configuration Wizard	×
<b>MySQL Server Instance Configuration</b> Configure the MySQL Server 4.1 server instance.	$\bigcirc$
Ready to execute	
<ul> <li>Prepare configuration</li> <li>Write configuration file</li> <li>Start service</li> <li>Apply security settings</li> </ul>	
Please press [Execute] to start the configuration.	
< Back Execute	Cancel

Sind alle Einstellungen korrekt?



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QL Server Instance Configuration	h Wizard	
<b>1ySQL Server Instance Configural</b> Configure the MySQL Server 4.1 serv	t <b>ion</b> er instance.	
Processing configuration		
I Prepare configuration		
♂ Write configuration file	(C:\Programme\MySQL\MySQL Server 4.1\my.in)	)
🧭 Start service		
Apply security settings		
Configuration file creat Windows service MySQ Service started succes Security settings applie	ed. L installed. sfully. ed.	
Press [Finish] to close t	he Wizard.	
	< Back Finish	Cancel

Meldung nach erfolgreicher Installation des Servers



🍇 Dienste						
∫ V <u>o</u> rgang <u>A</u> nsicht ∫ ♦	- →   🛍 💽   📽 🕏	🖪   😫   🕨	<b>I</b>	■▶		
Struktur	Name A	Beschreibung	Status	Startet den Dienst neu. P	Anmelden als	▲
Dienste (Lokal)	- 🆏 DNS-Server	Beantwortet	Gestartet	Automatisch	LocalSystem	
	Regional Contraction Contraction	Bietet eine a		Manuell	LocalSystem	
	🖏 Druckwarteschlange	Lädt die Date	Gestartet	Automatisch	LocalSystem	
	Einfache TCP/IP-Die	Unterstützt d	Gestartet	Automatisch	LocalSystem	
	Einzelinstanz-Speich	Durchsucht S		Manuell	LocalSystem	
	Sereignisprotokoll	Protokolliert	Gestartet	Automatisch	LocalSystem	
	🏶 Faxdienst	Unterstützt S		Manuell	LocalSystem	
	STP-Publishingdienst	Stellt FTP-Ver	Gestartet	Automatisch	LocalSystem	
	🦓 Gemeinsame Nutzu	Bietet allen C		Manuell	LocalSystem	
	🍓 Geschützter Speicher	Bietet geschü	Gestartet	Automatisch	LocalSystem	
	🖏 Hilfsprogramm-Man	Startet und k		Manuell	LocalSystem	
	🖓 IIS Admin-Dienst	Ermöglicht di	Gestartet	Automatisch	LocalSystem	
	🆓 Indexdienst			Deaktiviert	LocalSystem	
	🖏 Intelligenter Hinterg	Überträgt Da…		Manuell	LocalSystem	
	🖓 Internetauthentifizi	Aktiviert Aut	Gestartet	Automatisch	LocalSystem	
	🖓 IPSEC-Richtlinienag	Verwaltet IP	Gestartet	Automatisch	LocalSystem	
	Kerberos-Schlüsselv	Generiert Sitz		Deaktiviert	LocalSystem	
	Scientific Constraints and Con	Konfiguriert L		Manuell	LocalSystem	
	🖏 Lizenzprotokollierdie		Gestartet	Automatisch	LocalSystem	
	MySQL		Gestartet	Automatisch	LocalSystem	
	Rachrichtendienst 🖏	Sendet und e	Gestartet	Automatisch	LocalSystem	
	NetMeeting-Remote	Ermöglicht au		Manuell	LocalSystem	
	Netzwerk-DDE-Dienst	Netzwerktran		Manuell	LocalSystem	
	Netzwerk-DDE-Serv	Verwaltet de		Manuell	LocalSystem	
	Netzwerkverbindun	Verwaltet Ob	Gestartet	Manuell	LocalSystem	
	NT-LM-Sicherheitsdi	Bietet Sicher	Gestartet	Manuell	LocalSystem	
	🆓 Plug & Play	Verwaltet Ge	Gestartet	Automatisch	LocalSystem	
	QoS-Zugangssteuer	Bietet Progra		Automatisch	LocalSystem	
	RAS-Verbindungsve	Stellt eine Ne	Gestartet	Manuell	LocalSystem	
	Remoteprozedurauf	Endpunktzuo	Gestartet	Automatisch	LocalSystem	-
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					]	

Anhalten des MySQL Dienstes über

Start – Einstellungen - Systemsteuerung – Verwaltung – Dienste – MySQL (betriebssystemabhängig)





Datei "wichtige Werte.txt" mit Editor öffnen und Text kopieren (siehe Bild)

Hiermit werden wichtige Werte (z.B. timeouts) geändert.



🗐 my.ini - Editor	_ 🗆 🗙
Datei Bearbeiten Format 2	
# (even with long transactions). innodb_log_buffer_size=1516K	
<pre># InnoDB, unlike MyISAM, uses a buffer pool to cache both indexes and # row data. The bigger you set this the less disk I/O is needed to # access data in tables. On a dedicated database server you may set this # parameter up to 80% of the machine physical memory size. Do not set it # too large, though, because competition of the physical memory may # cause paging in the operating system. Note that on 32bit systems you # might be limited to 2-3.5G of user level memory per process, so do not # set it too high. innodb_buffer_pool_size=147M</pre>	
# size of each log file in a log group. You should set the combined size # of log files to about 25%-100% of your buffer pool size to avoid # unneeded buffer pool flush activity on log file overwrite. However, # note that a larger logfile size will increase the time needed for the # recovery process. innodb_log_file_size=30M	
<pre># Number of threads allowed inside the InnoDB kernel. The optimal value # depends highly on the application, hardware as well as the OS # scheduler properties. A too high value may lead to thread thrashing. innodb_thread_concurrency=8</pre>	
The default character set that will be used when a new schema or table is # created and no character set is defined default-character-set=latin1	
# The default storage engine that will be used when create new tables when default-storage-engine=INNODB	
#Don't allow new user creation by the user who has no write privileges to the mysql.user table. safe-user-create	
#Use old password encryption method (needed for 4.0 and older clients). old-passwords	
#The number of seconds the server waits for activity on an interactive connection before closing it. interactive_timeout=43200	
#The number of seconds the server waits for activity on a connection before closing it wait_timeout=43200	<b>_</b>
	▶ //

Kopierten Text in die Datei "my.ini" einfügen und abspeichern C:\Programme\MySQL\my.ini (je nach gewähltem Pfad der Installation)



🌺 Dienste						<u>_                                    </u>
Vorgang <u>A</u> nsicht			•			
Struktur	Name 🛆	Beschreibung	Status	Startet den Dienst neu. P	Anmelden als	<u> </u>
🖏 Dienste (Lokal)	DNS-Server	Beantwortet	Gestartet	Automatisch	LocalSystem	
	School and the second s	Bietet eine a		Manuell	LocalSystem	
	Spruckwarteschlange	Lädt die Date	Gestartet	Automatisch	LocalSystem	
	Einfache TCP/IP-Die	Unterstützt d	Gestartet	Automatisch	LocalSystem	
	Einzelinstanz-Speich	Durchsucht S		Manuell	LocalSystem	
	Screignisprotokoll 🎇	Protokolliert	Gestartet	Automatisch	LocalSystem	
	🖏 Faxdienst	Unterstützt S		Manuell	LocalSystem	
	RTP-Publishingdienst	Stellt FTP-Ver	Gestartet	Automatisch	LocalSystem	
	🦓 Gemeinsame Nutzu	Bietet allen C		Manuell	LocalSystem	
	🦓 Geschützter Speicher	Bietet geschü…	Gestartet	Automatisch	LocalSystem	
	🖏 Hilfsprogramm-Man	Startet und k		Manuell	LocalSystem	
	🆓 IIS Admin-Dienst	Ermöglicht di	Gestartet	Automatisch	LocalSystem	
	🦓 Indexdienst			Deaktiviert	LocalSystem	
	🖏 Intelligenter Hinterg	Überträgt Da…		Manuell	LocalSystem	
	🖏 Internetauthentifizi	Aktiviert Aut	Gestartet	Automatisch	LocalSystem	
	🖏 IPSEC-Richtlinienag	Verwaltet IP	Gestartet	Automatisch	LocalSystem	
	🖏 Kerberos-Schlüsselv	Generiert Sitz		Deaktiviert	LocalSystem	
	Leistungsdatenprot	Konfiguriert L		Manuell	LocalSystem	
	Lizenzprotokollierdie		Gestartet	Automatisch	LocalSystem	
	MySQL		Gestartet	Automatisch	LocalSystem	
	🖏 Nachrichtendienst	Sendet und e	Gestartet	Automatisch	LocalSystem	
	NetMeeting-Remote	Ermöglicht au		Manuell	LocalSystem	
	Netzwerk-DDE-Dienst	Netzwerktran		Manuell	LocalSystem	
	Netzwerk-DDE-Serv	Verwaltet de		Manuell	LocalSystem	
	Netzwerkverbindun	Verwaltet Ob	Gestartet	Manuell	LocalSystem	
	🖏 NT-LM-Sicherheitsdi	Bietet Sicher	Gestartet	Manuell	LocalSystem	
	🖏 Plug & Play	Verwaltet Ge	Gestartet	Automatisch	LocalSystem	
	QoS-Zugangssteuer	Bietet Progra		Automatisch	LocalSystem	
	RAS-Verbindungsve	Stellt eine Ne	Gestartet	Manuell	LocalSystem	
	Remoteprozedurauf	Endpunktzuo	Gestartet	Automatisch	LocalSystem	-
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Neustart des MySQL Dienstes über

Start – Einstellungen - Systemsteuerung – Verwaltung – Dienste – MySQL (betriebssystemabhängig)

> Fertig! Sie haben nun eine Standart MySQL Datenbank installiert