- SQL Server Installation -

using the example of



Wolfgang Peters





Overview of the SQL Installation



- The user needs to have administrator rights on all PCs to install the software
- If the migration database is done using an existing SQL Server, the user needs to have administrative access rights for the SQL Server
- The USB Stick *MAGIC THipPro Updates with SQL Server Tools* must be available
 - Alternatively, all tools are also available on the Microsoft Website
- SQL Server 2012 Express requires Windows 7 or higher

Requirements



Processor

- Minimum: 1,4-GHz Processor or faster
- Recommended: Core i5 Processor
- RAM:
 - Minimum: 512 MB
 - Recommended: 2 GB
- Free hard disk space:
 - Depending on the version, but at least 6 GB

Hardware requirements SQL Server



- Supported operating systems for MS SQL Server 2012 Express
 - Windows 7
 - Windows Server 2008 R2
 - Windows Server 2008 Service Pack 2
 - Windows Vista Service Pack 2
 - Windows 8.1
- All necessary components for the SQL Server Installation can be found on the USB Stick
 - For 64-Bit operating systems
 - Languages: German and English

Operating system requirements



 Installation using the example operating system: Windows 8.1

• Preparations

- The SQL Server Installation is done on a PC of your choice in the network
 - An installation on a PC on which you have a MAGIC THipPro LAN/SCREENER Client installed is also possible - if the performance data is matching the requirements
 - Please note that this Client must not be switched off since otherwise the database access is not possible anymore
- The components necessary for the installation can be found in the directory \Software SQL Tools on the USB Stick

Installation of the SQL Server



- SQL Server new installation
 - USB Stick directory: \Software\SQL Tools\SQL Server Express 2012
 - SQLEXPRWT_x64_ENU_SP1.exe
 - Microsoft SQL Server 2012 SP1 Express with Management Tools

Planning Installation Maintenance	New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2012 in a non-clustered environment or to add
Maintenance	features to an existing SQL Server 2012 instance.
Tools Resources	Upgrade from SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 Launch a wizard to upgrade SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 to SQL Server 2012.
Options	
SQL Server 2012	
SQL Server 2012	

Setup: New installation



Accept licence terms

License Terms	2012, you must accept the Microsoft Software License Terms.
License Terms Product Updates Install Setup Files	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2012 EXPRESS These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft • updates, • updates, • supplements, • Internet-based services, and • support services • Gopy • laccept the license terms. • Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use SQL Server and its components. See the Microsoft SQL Server 2012 Privacy Statement for more information.
	< <u>B</u> ack <u>N</u> ext > Cancel
	< Back Next > Cancel

Setup: Licence terms



- No error/warning:
 - The window Setup Support Rules is skipped and will not be displayed
- In case of an error/warning:
 - Install the required setup (see Status) and press *Re-run*
 - The installation can only be continued without errors
 - The *Windows-Firewall* must be either deactivated or the respective ports must be unblocked
 - Please ask your administrator for this

8	SQL Server 2012	Setup	-	. 🗆 🗙
stall Setup Files				XXX
SQL Server Setup will now be in update will also be installed.	nstalled. If an update for SQL Server Setup is	found and specified to be in	cluded, the	
icense Terms				
Product Updates				
nstall Setup Files	SQL Server Setup files are being installed	on the system.		
	Task	Status		
	Scan for product updates	Completed		_
	Download Setup files	Skipped		
	Extract Setup files	Skipped		
	Install Setup files	In Progress		
etup Support Rules Setup Support Rules	SQL Server 2012 roblems that might occur when you install	< Back	jnstall borny -	Cancel
corrected before Setup can con	Operation completed. Passed: 6. Failed 0	. Warning 1. Skipped 0.		335572
ture Selection				
stallation Rules				
nstance Configuration	Hide details <<			<u>R</u> e-run
isk Space Requirements	View detailed report		•	
erver Configuration			-	
atabase Engine Configuration	Rule		Status	
ror Reporting	Fusion Active Template Library (ATL Control of the second seco)	Passed	
tallation Configuration Rules	Previous releases of SQL Server 2008	Business Intelligence Devel	Passed	
stallation Progress	No SxS install with SQL Server "Dena	li" CTP0	Passed	
omplete	Consistency validation for SQL Serve	r registry keys	Passed	
	Computer domain controller		Passed	
	Microsoft .NET Application Security		Passed	
	A Windows Firewall		Warning	
		< <u>B</u> ack <u>N</u> ext >	Cancel	Help
			1	

Setup: Setup Support Rules



- Select the options as displayed under *Features*
 - If required you can also select all options

5	SQL Serv	ver 2012 Setup			- • ×	
Feature Selection Select the Express features to i	nstall.					
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Features: ✓ Database Engine Service ✓ SQL Server Replicati Sharef Features ✓ Client Tools Connectivit ✓ Client Tools Backwards ← Client Tools SDK ✓ Management Tools - Ba ✓ Management Tools SQL Client Connectivity □ LocaIDB Redistributable Features	s on Y Compatibility sic - Complete SDK	Feature description: The configuration and operation of each instance feature of a SQL Server instances. SQL Server instances can operate side-byside on the same computer. Prerequisites for selected features: Already installed: Microsoft .NET Framework 4.0 Windows PowerShell 2.0 Microsoft .NET Framework 3.5 To be installed from media: Microsoft Visual Studio 2010 Shell			
	Select <u>A</u> II <u>U</u> nselect AII Shared feature directory: Shared feature directory (<u>x</u> 86):	C:\Program Files\Micro C:\Program Files (x86)\I	soft SQL Server\ Microsoft SQL Serve	er\		
	1	< <u>B</u> ack	<u>N</u> ext >	Cancel	Help	
		< <u>B</u> ack	<u>N</u> ext >	Cancel	Help	

Setup: Feature Selection



• No errors:

- The window *Installation Rules* is skipped and will not be displayed
- In case of errors:
 - Eliminate the problem (see Status) and press *Re-run*
 - The installation can only be continued without errors

1	SQL Server 2012 Setup – 🗆 🗙
Installation Rules Setup is running rules to dete	mine if the installation process will be blocked. For more information, click Help.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements	Operation completed. Passed: 3. Failed 0. Warning 0. Skipped 0. Hide details << <u>Re-run</u> <u>View detailed report</u>
Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Rule Status Image: Prior Visual Studio 2010 instances requiring update. Passed Image: Product Update Language Compatibility Passed
	Sack Next > Cancel Help
	< <u>B</u> ack <u>Next</u> > Cancel Help

Setup: Installation Rules



Select Named Instance

- Standard: SQLEXPRESS
 - Remember this instance name since it is required later on
- Enter *Instance ID*
 - Same name as under *Named Instance*
- Do not change the *Instance root directory* (recommended) or select a directory of your choice

1	SC	L Server 2012	2 Setup			- 🗆 🗙
Instance Configuratio	n e ID for the instance of SQL	Server. Instance	ID becomes part o	f the installation pa	th.	
Setup Support Rules Feature Selection	 Default instance Named instance: 	SQLEXPRESS				
Installation Rules Instance Configuration Disk Space Requirements	Instance ID:	SOLEXPRESS				
Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress	Instance root directory:	C:\Program Fil	es\Microsoft SQL S	erver\		
	SQL Server directory:	C:\Program File	⊧s∖Microsoft SQL Se	erver\MSSQL11.SQL	EXPRESS	
	Instance Name	Instance ID	Features	Edition		Version
				N		
			< <u>B</u> ack	<u>N</u> ext >	Cancel	Help
			< <u>B</u> ack	<u>N</u> ext >	Cancel	Help

Setup: Instance Configuration



- No errors:
 - The window *Disk Space Requirements* is skipped and will not be displayed
- In case of an error:
 - Provide the required disk space

Review the disk space summa	ny for the SQL Server features you selected.
ietup Support Rules eature Selection nstallation Rules nstance Configuration Disk Space Requirements eivere Configuration Database Engine Configuration rirror Reporting nstallation Configuration Rules nstallation Progress Complete	Disk Usage Summary:
	< <u>B</u> ack <u>N</u> ext > Cancel Help

Setup: Disk Space Requirements



- Change *Startup Type* for SQL Server Browser to *Automatic*
 - Without this settings the Client PCs do not receive the configuration information of the SQL Server
- The account names to start the services can usually be kept
 - Please ask your administrator

1	SQL Server 2	2012 Setup		- 🗆 🗙
Server Configuration Specify the service accounts an	d collation configuration.			
Setup Support Rules Feature Selection Installation Rules	Service Accounts Collation Microsoft recommends that you	use a separate account for each	SQL Server servi	ice.
Instance Configuration	Service	Account Name	Password	Startup Type
Disk Space Requirements	SQL Server Database Engine	NT Service\MSSQL\$SQL		Automatic 🗸
Server Configuration	SQL Server Browser	NT AUTHORITY\LOCAL		Automatic 🗸
		< <u>B</u> ack <u>N</u> ext	> Cano	cel Help
		< <u>B</u> ack <u>N</u> ext	> Cano	tel Help

Setup: Server Configuration



- Change the Authentication Mode to *Mixed Mode*
- Assign a <u>secure password</u> for the SQL Server system administrator account <u>SA</u>
 - The password is required later for the management of the Server
- Specify at least one *SQL Server* administrator
 - By default the current user is entered

Specify Database Engine authe	guration atication security mode, administrators and data directories.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration Data Directories User Instances FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode Outnote Windows authentication mode Mixed Mode (SQL Server authentication and Windows authentication) Specify the password for the SQL Server system administrator (sa) account. Enter password: Ognfirm password: Specify SQL Server administrators AVTWPeters (Wolfgang Peters) SQL Server administrators
	Add <u>Current User</u> Add Remove < <u>Back</u> Next > Cancel
	< BackCancelHelp

Setup: Datenbase Engine Configuration



Select if *Error Reports* shall be send to Microsoft or not

• If yes, the PC needs to have an internet connection

1	SQL Server 2012 Setup – 🗆 🗙
Error Reporting Help Microsoft improve SQL Se	erver features and services.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. See the Microsoft SQL Server 2012 Privacy Statement for more information. Read more about Microsoft Update and Automatic Update. Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.
	< <u>B</u> ack <u>N</u> ext > Cancel Help
	< <u>B</u> ack <u>N</u> ext > Cancel Help

Setup: Error Reporting



- No errors:
 - The window *Configuration Rules* is skipped and will not be displayed
- In case of errors:
 - Eliminate the problem (see Status) and press *Re-run*
 - The installation can only be continued without any errors

Setup: Configuration Rules



- After entering all parameters the installation is executed and finished
- The setup can now be finished by pressing *Close*

	SQL Server 2012 Setu	р		
stallation Progress				
up Support Rules true Selection allition Rules ance Configuration Space Requirements ere Configuration abase Engine Configuration abase Engine Configuration allation Configuration Rules allation Progress	Greating servicing cache folder.			
		<u>N</u> ext >	Cancel	Help
		Mext >	Cancel	ueb
	SQL Server 2012 Setu	p	6	
Your SQL Server 2012 installat p Support Rules ure Selection llation Rules nce Configuration Space Requirements er Configuration base Engine Configuration	In completed successfully with product updates. Information about the Setup operation or possib Feture Centre Tools Complete Centre Tools Concerchity Centre Tools Setup Services Centre Tools Setup Services	ble next steps: Status Succeeded Succeeded Succeeded Succeeded Succeeded		
Reporting Illation Configuration Rules Illation Progress plete	Draits Urwing Product Documentation for SQI Only the components that you use to view a been installed. By default, the Help Viewer SQL Sever, you can use the Help Library M your local compater. For more information, to fill program Exact com/sini/17.11mL02-22 Summary tog file has been seed to the following Chargeman Environment Sector Sector Sector Sector Chargeman Environment Sector Sector Sector D1.2014(919.102030)	L Server and manage the docume component uses the onli lanager component to do see Use Microsoft Book (6832- g location: pp Bootstrap\Log\201409	Intation for SQL ine library. After ownload docums s Online for SQL 19 103030\Sumn	Server have installing entation to Server.
			Close	Help

Setup: Installation and Finish



- If the SQL Server PC is connected to the internet, it should be searched for product updates
- Updates are available automatically via the *Windows Updates*
- The installation window can now be closed

1	SQL Server Installation Center – 🗖 🗙
Planning Installation Maintenance Tools	Edition Upgrade Launch a wizard to change your edition of SQL Server 2012, like changing from Developer to Enterprise. Repair Launch a wizard to repair a corrupt SQL Server 2012 installation.
Options	Launch Windows Update to search for product updates Launch the Windows Update application to search for updates that are available for your existing SQL Server installations and your system. To obtain updates for SQL Server ensure you Windows Updates settings are set to received updates for Microsoft products.
SQL Server 2012	
SQL Server 2012	

Setup: Product Updates



- Start SQL Server Configuration Manager with
 - START → All programmes → Microsoft SQL Server 2012 → Configuration tools → SQL Server Configuration Manager or search under Windows 8 for SQL Server Configuration Manager
 - Select the entry *Protocols for* ,*SQLEXPRESS*' under *SQL Server Network Configuration*
 - Activate the protocols Named Pipes and TCP/IP by a right mouse click and Enable
 - Confirm the warning with OK

a	Sql	Server Configurati	ion Manage	er	- □ _>	×
Datei Aktion Ansicht ?						
🗢 🤿 🖄 🔛 📑 🛛						
SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (32) SQL Network Configuration SQL Server Network Configuration	oit) i2bit)	Protocol Name Shared Memory Named Pipes TCP/IP	Status Enabled Disabled Disablec	Enable		
Protocols for SQLEXPRESS				Disable Eigenschaften		
	l			Hilfe		
		Wa	rning		×	
inable selected protocol.	Any changes n the service is st	nade will be saved topped and restar	l; however, ted.	they will not take effect u	Intil	
					OK	
					ок	

Server Network Configuration (1)



■ ➡ ☎ 🖾 🗟 👔 ⊙ 🕕 ⊙ 🥏		1	1				
SOL Server Configuration Manager (Local)	Name	State	Start M	ode	Log On As		Process ID
SQL Server Services	SOL Server Browser	Running	Autom	atic	NT AUTHO	RITY\LO	4944
SQL Server Network Configuration (32bit)	SQL Server (SQLEXPRESS)	Running	Autom	atic	NT Service	MSSQL	6600
a , , SQL Native Client 11.0 Configuration (32bit) ■ Client Protocols	SQL Server Agent (SQLEXPRESS)	Stopped	Ot	Start		RITY\NE	0
				Stop			
SQL Server Network Configuration				Pause			
- Protocols for SQLEXPRESS				Resume			
🛛 💂 SQL Native Client 11.0 Configuration				Restart			
💐 Client Protocols 🚇 Aliases				Eigenschaft	en		
	<			Hilfe			
start (stop and then start) selected service.				- mic			

- Select *SQL Server Services*
- Mark SQL Server (SQLEXPRESS)
- Open the context menu with the right mouse key and press *Restart*
- The SQL Server Configuration Manager can now be closed

Server Network Configuration (2)



- The management of the SQL Server is done via the *SQL Server Management Studio*
 - Under Windows 7: START → All programmes
 → Microsoft SQL Server 2012 → SQL Server Management Studio
 - Under Windows 8: Search for *SQL Server Management Studio*
 - To login you need to enter the following parameters:
 - Server type: Database Engine
 - Server name: <*Computer name*>\<*Instance*>
 - Authentication: SQL Server Authentication

Sa

- Login:
- Password: <<u>Password></u>
 - See Password that you have enter under <u>Database</u> <u>Engine Configuration</u>
 - If the PC is in the domain network, you can also login with Windows Authentication

Server type: Database Engine v Server name: WPETERS-DT1\SQLEXPRESS v Authentication: SQL Server Authentication v Login: SA v Password: ••••••••••••••••••••••••••••••••••••	SQL Serve	Connect to Server ×
Connect Cancel Help Options >>	Server type: <u>S</u> erver name: <u>A</u> uthentication: Login: <u>P</u> assword:	Database Engine V WPETERS-DT1\SQLEXPRESS V SQL Server Authentication V SA V ••••••••••••••••••••••••••••••••••••
	Connect	Cancel Help Options >>
Cancel Help Options >>	Connect	Cancel Help Options >>

SQL Server Management Studio



- Select the branch Security → Logins
- Open the context menu with the right mouse key and press *New login...*



Create login (1)



- All Clients are using the same user login e.g. *ScreenerUser*
 - Select page *General*
 - Enter the Login name *ScreenerUser*
 - Activate SQL Server Authentication
 - Assign a *password* of your choice and remember it
 - Login name and password are required later in the MAGIC THipPro Client configuration dialogue
 - <u>Deactivate</u> the option *Enforce* password policy
 - *Default database* must be kept to master
 - Set *Standard language* to *English*

B	Login -	New		- 🗆 🗙
Select a page	🔄 Script 🔻 📑 Help			
Server Roles				
🚰 User Mapping	Login <u>n</u> ame:	ScreenerUser		Search
Securables	<u>Windows authentication</u>			
Jalus -	SQL Server authentication			
	Password:			
	Confirm password:	•••••		
	Specify old password			·
	Old password:			
	Enforce password policy	,		
	Enforce password expira	ation		
	User must change pass	word at next login		
	 Mapped to certificate 		~	
	 Mapped to asymmetric key 		~	
	Map to Credential		~	Add
Connection	Manned Credentiale			700
Server: WPETERS-DT1\SQLEXPRESS	Маррей Стейенцав	Credential		
Connection:				
SA				
View connection properties				
0				Denne
Progress				Hemove
Ready	Default <u>d</u> atabase:	master	¥	
.45.	Default language:	English	*	
			014	
		L	ОК	Cancel
				10
			ОК	Cancel

Create login (2)



- Change to page Server Roles and activate additionally the option sysadmin
- Afterwards the user is created by pressing the *OK* button

8	Login - New 🚽 🗖 🗙
Select a page	Script - 🖸 Help
Server Roles	Server role is used to grant server-wide security privileges to a user.
Jadius	Server roles: bulkadmin diskadmin processadmin ✓ public securityadmin setupadmin ✓ sysedmin
Connection	
Server: WPETERS-DT1\SQLEXPRESS Connection: SA	
View connection properties	
Progress	
Ready	
	OK Cancel
	OK Cancel , ad
1.102022	

Create login (3)



If you have a MAGIC THipPro Screener licence:

Go to the chapter

Create database with the MAGIC THipPro Screener



- Copy backup database
 \Software\SQL Tools|Database\
 CallerTHipProSQL.bak from the
 USB Stick to a local directory
 (e.g. C:\) of the PC
 - The file name must not be changed
- In the Object Explorer select the branch *Databases*
- Open the context menu with the right mouse key and press *Restore Database...*



Import empty database (1)



- Select *Device* and press ...
- Click on Add
- Select the database file *CallerTHipProSQL.bak* from the local directory (e.g. C:\) and press twice *OK*



Import empty database (2)



- Import the database by pressing OK
- Afterwards the database *CallerTHipProSQL* is displayed under *Databases*

×	Restore	Database - CallerTHipProSQL	- • ×
🕽 Ready			
Select a page	🔄 Script 👻 🚺 Help		
General			
Tiles Ontions	Source		
- options	O <u>D</u> atabase:		V
	Device:	C:\CallerTHipProSQL.bak	
	D <u>a</u> tabase:	CallerTHipProSQL	~
	Destination		
	Data <u>b</u> ase:	CallerTHipProSQL	~
	Restore to:	The last backup taken (Montag, 10. Februar 2014 16:42:41)	imeline
	Restore plan		
	Backup sets to restore:		
	Restore Name	Component Type Server	Databa
	Microsoft SC	2L Server Management Studio	
Connection	Microsoft SC	2L Server Management Studio	
Connection WPETERS-DT1\SQLEXPRESS [SA]	Microsoft SC	QL Server Management Studio	
Connection WPETERS-DT1\SQLEXPRESS [SA] View connection properties	Microsoft SC	QL Server Management Studio	
Connection WPETERS-DT1\SQLEXPRESS [SA] View connection properties Progress	Microsoft SC	2L Server Management Studio	
Connection WETERS-DT1\SQLEXPRESS [SA] View connection properties Progress Done Done	Microsoft SC	2L Server Management Studio	>
Connection WETERS-DT1\SQLEXPRESS [SA] View connection properties Progress One Done	Microsoft SC	QL Server Management Studio	> :kup Media
Connection WETERS-DT1\SQLEXPRESS [SA] View connection properties Progress Done Done	Microsoft SC	QL Server Management Studio	> kup Media
Connection WPETERS-DT1\SQLEXPRESS [SA] View connection properties Progress One Done	Microsoft SC	QL Server Management Studio	> kup Media Help
Connection WPETERS-DT1\SQLEXPRESS [SA] View connection properties Progress One Done	Microsoft SC	QL Server Management Studio	> :kup Media Help
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Connection	Microsoft SC	QL Server Management Studio	> :kup Media Help
Connection	Microsoft SC	QL Server Management Studio	> ikup Media Help
Connection	Microsoft SC	QL Server Management Studio	> kup Media Help Help

Import empty database (3)



- Select the branch Security → Logins in the Object Explorer
- Select the login *ScreenerUser* and select *Properties* by using the right mouse key



Import empty database (4)



- Select the page *user mapping*
 - Select the database
 CallerTHipProSQL, to which the login *ScreenerUser* is supposed to have access
 - Select the following options under *Database role membership for CallerTHipProSQL*:
 - db_datawriter
 - db_datareader
 - *db_owner*
 - The option *public* is always set
 - Finish the import with OK

Select a page General Server Roles	Script			_
Im Securables Im Status	Map Database CallerTHipProSQL master model msdb tempdb	User ScreenerUser	Default Schema	
Connection Server: WPETERS-DT1\SQLEXPRESS Connection: SA Wew connection properties	Database role membership for: Ca db_accessadmin db_backuopogerator db_datareader db_datawriter db_ddladmin db_denydatareader db_denydatareader db_denydatareater	illerTHipProSQL		
Progress Ready	ultic db_secuntyadmin ↓ public			
			OK Cance	
			OK Cance	

Import empty database (5)



If you do <u>not</u> have a MAGIC THipPro Screener licence:

Go to the chapter

Install SQL Native Client



Requirements

- MAGIC THipPro Screener is installed and already connected to the MAGIC THipPro System
- The *SQL Command Tools* are installed on the Client PC¹)
 - These tools can be found on the USB Stick under SQL Tools SQL Command Line Utilities
- The Client PC has the required access rights for the Server PC
- The SQL Native Client is installed
 - See <u>Install SQL Native Client</u>
 - The Client can be found on the USB Stick under Software SQL Tools SQL Client 2012

¹⁾ Not required for the SQL Server, since they are installed with the SQL Server



Create database with MAGIC THipPro Screener (1)



- MAGIC THipPro Screener must be started with <u>administrator rights</u> via the context menu Execute as administrator
- Change via *Local Configuration* to the page *Database*
- Enter the login data for the SQL Server
 - SQL Server
 - User
 - Password
 - The Database name under *Database* can be selected without restrictions
- With *Create New* the new database is created

SQL Connection	1
Driver:	SQL Server Native Client 11.0
Database	
Delete Record	s Compress & Backup Restore Show Backup
Import Area Co	ides
Area Code File:	Start Import
UL Server: User: Password: Database: MDB File: Status	CallerTHipPro
	Database successfully created!
	OK Cancel
	OK Cancel

Create database with MAGIC THipPro Screener (2)



- To enable the access to the SQL Database, on each PC with *MAGIC THipPro SCREENER* you must install the SQL Native Client
 - USB Stick directory \Software\SQL Tools\SQL Client 2012
- MAGIC THipPro LAN uses a different access procedure and does <u>not</u> need the Client



Install SQL Native Client



 The configuration in the LAN Client is done under Menu → Configuration → System → MAGIC THipPro → Database

Or in the SCREENER Client under *Menu* → *System Configuration* → *Database*

- Activate *Database*
- Corresponding to the entries at the SQL Server
 - Enter SQL Server
 - <Computer name>\<Instance name>
 - Enter *Database* name
 - Enter User and Password
- Under Location Details you must enter you location details (important)

	Configuration	
Operation Settings	Database	
Clients / Security	Collections 1: westeredt1/enlevness CallerTHinPro Desters 2 Desters 2 Desters 4 Desters 5 Desters 6	
	Caller Dies 1. Wpeters un Sujexpressioner mip 10 Database 2 Database 3 Database 4 Database 5 Database 6	
- Mode & Audio Line	✓ Databasei	
Internal HOLD Signals	SQL Server: Woeters-dt 1/solexpress Test Connection	
Studio Audio Assignment	Deteleration	
Clients Audio Assignment	Database: Caller I Hipfro	
Signal Processing	User: screeneruser	
Line Labels	Password:	
DTMF Here Relay / TTL	Network Library: Default 🗸	
System Settings	Telephone Book	
General Line Interface	Phone Number Types Save	
VoIP (LAN/SIP)	Mobile	
Audio Interface	Office	
PRETALK Streaming	Home	
LAN Interface		
Date and Time		_
Login	Location Details	
	Country: Deutschland (+49) V Country Code: +49 Disable Number Formatting	
	City: Nümberg v Area Code: 911	
	Label for in-house calls:	
Client ID: 20 Studio: 1	OK Abbrechen Apply Now	
Client ID: 20 Studio: 1	OK Abbrechen Apply Now	

Configure MAGIC THipPro LAN/SCREENER



Miscellaneous



- The system supports the analysis of the area codes so that you can display the location instead of the calling number
- Currently the following countries are supported:
 - Germany (already imported)
 - Belgium
 - Italy
 - Netherlands
 - Austria
 - Switzerland
- *MAGIC THipPro Screener* must be started with <u>administrator rights</u> via the context menu *Execute as administrator*
- Change to the page *Database* via *Local Configuration*
- Select and import Area Code File
 - Already included area codec should be deleted

river: SQL Serve	er Native Client 11.0	*		
Delete Records Con	mpress & Backup Res	tore Sho	ow Backup	
mport Area Codes .rea Code File: C:\Progra	m Files (x86)\AVT\MAGIC THipF	Pro S 📴 Sta	art Import	
nport old Caller Database	/Create new database	0.1.0		_
	Select Area	Code file	*	duutaustas 0
ser:	AVI > MAGIC I HIPPIO SCREENER > Areaci	odes 🗸 (AreaCodes	durchsuchen p
assw	er Uraner	Änderungsdatum	Typ	g== V 🛄 🔮
A Microsoft Access	AreaCodes Austria tyt	08.08.2010.14-31	Textdokument	11 KB
atab 🔆 Favoriten	AreaCodes_Belgium.txt	10.12.2013 23:19	Textdokument	1 KB
	AreaCodes_Deutschland.txt	08.08.2010 14:31	Textdokument	128 KB
ConeDrive	AreaCodes_Italy.txt	08.08.2010 14:31	Textdokument	6 KB
ort Area Cod	es (Belgium)		Area Code F OK 21	2 KB
Impo	rt new area cod	es		×
Q p	elete existing area codes ta Recommended)	ble before impo	rting a new	one?
tatus — (H				

Import Area Codes



Requirements

- There must be already an existing database
- Import is only possible with administrator rights
- The old *MAGIC TOUCH* database must be entered
 - SQL Server Database

Database

<u>or</u>

- Access Database (MDB-File)
- Via *Start Import* the old MAGIC TOUCH Database is imported into the new MAGIC THipPro Database
 - Already existing entries are <u>not</u> overwritten

Import old MAGIC TOUCH

Driver:	SQL Server Native Client 11.0	¥	
Database			
Delete Record	Compress & Backup	Restore	Show Backup
Import Area Co	des		
Area Code File:			Start Import
Import old Calle	er Database/Create new databas	e	
SQL Server:	TOUCH\SQLExpress		
User:	admin		Croate New
Password:	****		Create New
Database:	CallerSQL		
or	-1		Start Import
MDB File:			
Status			
		OK	Cancel
		UK	Cancer







• db_owner

 Members can execute all activities to configure and maintain the database and they can also delete the database

• db_securityadmin

 Members can change the server role and manage rights. The adding of principals to this role could lead to an unwanted extension of the privileges

• db_accessadmin

 Members can add or delete the access to the database for Windows authentications, Windows groups and SQL Server authentications

• db_backupoperator

• Members can execute a backup of the database

• db_ddladmin

 Members can execute all DDL commands (Data Definition Language) in a database

• db_datawriter

Members can add, delete or change data in all user tables

• db_datareader

Members can read all data of all user tables

• db_denydatawriter

 Members cannot add, change or delete data in the user tables of a database

• db_denydatareader

• Members cannot read data in the user tables of a database

List of the Database Role Names



• bulkadmin

• Members can perform the BULK INSERT command

• dbcreator

 Members can create, edit, delete or restore any database

• diskadmin

• Members can manage data carrier files

• processadmin

• Members can stop processes which are run by an instance of the Database Engine werden

• serveradmin

• Members can change server-wide configuration options and shut down the Server

• securityadmin

 Members can manage logins and their properties. They have GRANT, DENY and REVOKE rights to assign rights on the Server level. They have also GRANT, DENY and REVOKE rights to assign rights on the Database level. They can reset passwords for SQL Server logins

• setupadmin

 Members can add and delete connection servers and they can execute some stored system procedures

• sysadmin

 Members can perform any activity in the Database Engine. By default, all members of the Windows group PREDEFINED\Administrators (the local administrator group) are members of the fixed Server Role sysadmin

List of the Server Roles

