



AutoDownload: SQL Server and Network Trouble Shooting

AutoDownload uses Microsoft's SQL Server database software. Since 2005 when AutoDownload was first released Microsoft have also released new versions of both its operating system and SQL Server software.

The current version of AutoDownload runs on the following operating systems:

- Windows XP No longer supported by Microsoft
- Windows Vista
- Windows 7
- Windows 8 and 8.1
- Windows 10
- A number of users have been able to get AutoDownload working on a Mac using a Windows emulator but we have very little experience of Apples!

The following versions of SQL server are supported:

- SQL Server Express 2005
- SQL Server Express 2008
- SQL Server Express 2008 R2
- SQL Server Express 2012
- SQL Server Express 2014
- Full SQL Server

The more recent versions are available as either 32 bit or 64 bit.

1 Installing SQL Server

This is covered in detail in the AutoDownload Installation Instructions. There are two key points when installing SQL server; firstly that you install the correct version for your computer and secondly that SQL Server is installed from within AutoDownload. If you fail to do this you have very little chance of getting it to work.

Installing SQL Server through AutoDownload enables these three key actions to be made:

- TCP/IP enabled
- Mixed Authentication to be enabled. This allow the logging on to SQL Server to be via Windows Authentication (Windows user/Password) and SQL Server Authentication (ability to use a SQL login e.g. "sa" for system administrator). AutoDownload requires SQL Server Authentication.
- The naming of the SQL Server Instance which must be "MSSQLSERVER" for AutoDownload to work.

If you install SQL Server outside of AutoDownload these three setting will not be made and SQL Server will not work for AutoDownload. You will need to uninstall SQL Server and start again!





1.1 Installation Problems

The following is a list of common problems, and solutions we have been made aware of as part of providing support for AutoDownload.

- The installation may fail if you have not installed the latest Windows Updates on your computer. The SQL Server installation process does a number of checks and if you have missing or out of date Windows files the installation may well fail. For Example:
 - On a Windows 7 laptop installing SQL Server 2012 Express the installation failed with an Exit code of "-2067922335", this was fixed by performing a Windows Update and then running the install again.
 - On a Windows 7 laptop installing SQL Server 2012 Express the installation failed with an Exit code of "-2068578304", this was caused by the password not being strong enough.
- In rare situations, you may already have programs on the computer that use components of SQL Server. This may result in the failure of the installation. If for example "Microsoft SQL Server Native Client" is already installed on your computer the installation will fail. - Uninstall the SQL Server components before installing SQL Server Express and they will be reinstalled as part of this process.
- Once you have downloaded the SQL Server setup file you should disconnect from your Wi-Fi / the internet. If you do not disconnect the SQL Server installation process checks for software updates and this causes the installation to fail.
- Windows 8 and Windows 8.1 SQL Server will not install correctly if the Computer Name and the Windows User Name are the same (no, we don't know why either)! You must either change the Computer's Name or use a different Windows User before installing the software. If you change the computer's name then we suggest that you then reboot.
- SQL Server password. In the early versions of Windows/SQL Server the password could be very weak. Microsoft now requires stronger passwords to improve security. How strong the password needs to be is based on your Windows Locale. We recommend a minimum password length of 7 characters. If you use fewer than that the install may fail depending on your Windows security configuration. You may also want to think of using a mix of upper and lower case alphanumeric, numbers and special characters e.g. %,!. The following is a link to a Microsoft webpage on the subject https://technet.microsoft.com/en-us/library/hh994562(v=ws.11).aspx Don't lose the password as you will need it when setting up new database settings. If you club/organisation has multiple computers with SQL Server only for AutoDownload installed we recommend that the same password is used on all computers to keep it as simple as Microsoft allows you!
- Do not install SQL Server on a Windows XP computer that is on Service Pack 2. You MUST upgrade to Windows XP Service Pack 3 first.
- Make sure you have permission to install the software. Microsoft will require that your Windows User has administrator rights.
- In order to save disk space some computers are setup with "Compress Contents" enabled. If the SQL Server Program and data folders have compression enabled then SQL Server will not work.

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- If the installation fails you will normally get an installation exit code. When we are told about these we find that they are not very helpful, normally a Google search for them will return no help. However the SQL server set-up progress should create a log file which should provide better clues on what the problem is. As long as the installer is run through AutoDownload it should be at C:\Users\[username]\AppData\Local\Temp\SqlSetup*.log. Additionally the following file "SystemConfigurationCheck_Report" may provide some clues.
- SQL Server exit error code 5. This relates to the security access needed to install SQL Server. Administrator access is required. Even if the user you have logged in with has administrator rights you still need to run AutoDownload as an administrator and then install SQL Server from within AutoDownload.

2 SQL Server "Not Working"

Once SQL Server has been installed the next step is to create a connection by adding a database setting. This is covered in the installation instructions. If you get the following then something is wrong!

AutoDownload	Means:
A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: TCP Provider, error: 0 - No such host is known.)	Can't find Server (Computer name or IP address from the database settings).
ОК	
Or	
AutoDownload	Means:
A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: TCP Provider, error: 0 - No connection could be made because the target machine actively refused it.)	Connected to Server but not getting anything from the port. This will be because either SQL Server is not running or the firewall is blocking the port or the port
ОК	number is wrong!
Or	
AutoDownload	Means:
Login failed for user 'sa'.	Either: You have entered the wrong password Or: You have the Incorrect

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OK

Version 4 Page 3 of 17

Authentication mode





There are a number of possible reasons why you get these errors. The following are checks you can do to find and correct the problem.

2.1 Is SQL Server running?

SQL Server runs as a service on the computer. To check that it is running go to Control Panel >> Administrative Tools >> Services

Services	dan.		a		- 0 - X	
<u>File</u> <u>Action</u> <u>V</u> iew	Help					
	2 🗟 👔 🖬 🕨 🔳 🕪					
Services (Local)	Services (Local)					
	SQL Server (MSSQLSERVER)	Name	Description Status	Startup Type	Log On As	^
		SPORTident SMS Receive via Web Service		Manual	Local Syste	
	Stop the service	SPP Notification Service	Provides So	Manual	Local Service	
	Restart the service	🔅 SQL Server (MSSQLSERVER)	Provides sto . Started	Automatic	Network S	
		🔍 SQL Server Agent (MSSQLSERVER)	Executes jo	Disabled	Network S	
	Description	🔍 SQL Server Browser	Provides SQ	Disabled	Local Service	
	Provides storage processing and	🔍 SQL Server VSS Writer	Provides th Started	Automatic	Local Syste	
	controlled access of data, and rapid	SSDP Discovery	Discovers n Started	Manual	Local Service	
	transaction processing.	🔍 Superfetch	Maintains a Started	Automatic	Local Syste	
		🔍 System Event Notification Service	Monitors sy Started	Automatic	Local Syste	Ŧ
	Extended Standard					

The service should be "Started". The start up type of "Automatic" means that when the computer is turned on SQL Server should be started as part of the boot up process. However if the computer is required to do a lot of processing on start up or the computer is not very powerful then starting of SQL Server can timeout and thus fail.

We have found that for Windows 8 and later it is better to change the services "Startup Type" to "Automatic (Delayed Start)".

If SQL Server is not in the list then it's not installed!

2.2 Firewalls and Antivirus Software

Firewall settings and antivirus software can stop AutoDownload communicating with SQL Server. The best way to test this is to turn them off and see if that fixes the problem. It is strongly recommended that you disconnect from the internet/Wi-Fi before turning off firewalls or disabling antivirus software!

If this fixed the problem then a solution needs to be found to re-enable the firewall/antivirus but still allow AutoDownload to communicate with SQL Server.

Additional notes about firewalls can be found below in section 3.5.





2.3 TCP/IP Enabled?

TCP/IP needs to be enabled. This should have happened as part of the installation process! But...to check

Open application 'SQL Server Configuration Manager'. Check in 'SQL Server 20xx Network Configuration > Protocols for MSSQLSERVER > TCP/IP. The status should be "Enabled".



SQL Server Configuration Manager can also be used to check if SQL Server is running...

Sql Server Configuration Manager	An of the last one last			and and		- O X
<u>File Action View H</u> elp						
◆ ⇒ 2 @ 🗟 🛛						
SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Process ID	Service Type
SQL Server Services	SQL Server (MSSQLSERVER)	Running	Automatic	NT AUTHORITY\NETWORKSERVICE	12316	SQL Server
A B SQL Server Network Configuration	📠 SQL Server Browser	Stopped	Other (Boot, System, Disabled or Unknown)	NT AUTHORITY\LOCALSERVICE	0	SQL Browser
Great Protocols for MSSQLSERVER SQL Native Client 11.0 Configuration	SQL Server Agent (MSSQLSERVER)	Stopped	Other (Boot, System, Disabled or Unknown)	NT AUTHORITY\NETWORKSERVICE	0	SQL Agent



Information Sheet



2.4 Incorrect Authentication mode?

Again this should have been setup correctly as part of the installation process, but...to check...

You will need to install "SQL Server Management Studio Express". This is a free application from Microsoft, make sure you download and install the correct version for your version of SQL Server. Start SQL Server Management Studio Express, Right click on machine name and select properties then select security. The authentication mode should be set to 'SQL server and Windows Authentication mode. If not select it. You will then be prompted to add a password for user 'sa'.

Server Properties - SCAFELL	
Select a page General	Script 🔻 🚺 Help
Memory Processors Security Connections Database Settings Advanced Permissions	Server authentication Windows Authentication mode
Connection	Password:
Server: SCAFELL	Options
Connection: sa	Enable C2 audit tracing <u>C</u> ross database ownership chaining
Progress	
Ready	
	OK Cancel





3 Network Troubleshooting

3.1 Background

For small events you may well only need one computer running AutoDownload. For bigger events to allow more users, split tasks or just to have more screens you will need to network multiple computers together with them all accessing a common SQL Server database. Within AutoDownload on each computer, a database setting needs to be setup to point to the database on the main computer, see section 3.6 below. However you need to get the computers talking to each other first!

SQL Server is a database engine rather than one that works via file sharing, that is the server program running on the host computer is the only program that accesses the physical database files, and client programs (such as AutoDownload) talk only to the server program. The communication between client and server, even on the same computer, works via TCP/IP networking, which has numeric port numbers to specify the "channel" communications is on, default for SQL Server is 1433. So file transfer may be of use to you but it doesn't have any bearing on AutoDownload being able to talk to the server. However if you have file sharing working between the two computers you have some networking working, so can skip the first few steps.

3.2 Physical Connection

The first thing required for any networking is a physical connection. Generally this would be by Ethernet cable, but could be by Wi-Fi. We would always recommend using cables for events, Wi-Fi is so dependent on its locality for interference, other devices on the same channel etc so it works great in the office, then you take it out into the field and it doesn't work, or it works intermittently or slowly. Often lots of bodies in the way stops it working, which means it works great until download is busy when it stops.

If you are using cable then most Ethernet sockets will have a light on to indicate a physical connection is working. If you are linking just two computers together with a single cable then traditionally you would have to use a special cable called a crossover cable, but most modern laptops from the last five or so years will work with either a crossover or a normal Ethernet cable.

Whether cable or Wi-Fi, you can check you have a connection.

Open Network and Sharing Center >> Change adapter settings (Control Panel\Network and Internet\Network Connections)

Or right click on the network icon at the bottom right of the screen and select "Open Network and Sharing Center" and then select "Change adapter settings" from the menu.







You will have a list of network adapters, and you can see the status of each.



Screen shot from Windows 8.1 showing that both Wi-Fi and Cable (Ethernet) network connections are enabled.

3.3 TCP/IP Addressing

The TCP/IP networking system has an address for each computer on the network. This address has two parts to it, the actual address and a thing called a subnet mask. The subnet mask tells the computer which other addresses should be on the same local network as it. So for the two or more computers to talk to each other they must have addresses which are different to each other but on the same subnet.

On the internet, where TCP/IP was designed for, addresses are assigned by a global authority (Internet Assigned Numbers Authority - IANA), but it would be too much to expect each home or corporate network to apply for each addresses they needed, and also there would not actually be enough addresses available for all the computers that needed them (for TCP/IP v4 at least, ignoring v6 for now...). So this authority has set aside three ranges of addresses that are for internal use. The addresses you use will generally be in this range, although there is one exception we will talk about below.

To find out what address a computer is using, open up a Command Prompt. You will find a shortcut to this on the start menu under accessories, or you can run "cmd". When faced with the prompt type "ipconfig" (without the quotes) and press enter. You will get a myriad of information which at first will seem unintelligible. There will probably be more than one network adapter listed, so find the correct one first. Then you are looking for the IPv4 address and its Subnet Mask. These will be both of the form a.b.c.d where a-d are numbers between 0 and 255.







In the above screen shot for the Ethernet connection the IP address is 192.168.1.59 and the Subnet Mask 255.255.255.0.

In technical terms, if the address and subnet mask are combined in a binary AND operation, and compared to the same operation on another computer, they will talk to each other locally if the answers are the same. This is very technical, but generally speaking subnet masks are kept simple and only consist of several segments of 255 followed by several of 0 for example 255.255.255.0. This example would mean that as long as the two addresses had the same first 3 segments they would talk. Similarly 255.255.0.0 would mean as long as the first 2 segments were the same they would talk. So you are probably thinking now why not make it 0.0.0.0 and then all computers talk right? On a isolated network never connected to the outside world, yes. But remember this is defining which addresses are local, and as soon as you connect your computer to another network it will never look outside the local network for any other computer.

There is also convention as to which ranges of addresses are designed for use with which subnets. The three ranges reserved for private use mentioned above are for three different subnets. So they are:

10.*.*.* with 255.0.0.0 176.16.*.* with 255.255.0.0 192.168.*.* with 255.255.255.0

The last one appears unusual, as the subnet doesn't match the same as the range allocated. If you've got the hang of it by now you will see there are actually 256 ranges





available here, not one. Generally speaking most private networks will use an address in this last range.

I would imagine that most of you reading this who have two computers plugged together with a network cable will actually have an address starting 169. As mentioned above, this is the exception to those private ranges. Microsoft use this range when a network adapter is set-up to receive an address automatically, but cannot. This is actually really useful because plug in two computers together and leave for a while, say a minute (long enough for them to give up trying to receive an automatic address), and they will be able to talk to each other. Note this is not available on Windows 2000. If you plug your computer in to another network, or you are using Wi-Fi to link the two computers and you connect this to another network then this is probably the easiest way to do it as you don't have to change settings between networks.

We recommend that you allocate an IP address to each computer you intend to use on your "AutoDownload Network" and that once set-up you put a sticker on each computer saying what its IP address is!

To allocate an IP address go to Network Connects (as above) and right click on the appropriate adapter and get the Properties...



then Properties for TCP/IP (v4)...

Local Area Connection Properties
Networking Sharing
Connect using:
Broadcom 440x 10/100 Integrated Controller
Configure
This connection uses the following items:
Client for Microsoft Networks
QoS Packet Scheduler
File and Printer Sharing for Microsoft Networks
A Internet Pertead Version 6 (TCP //Pu6)
Internet Protocol Version 4 (TCP/IPv4)
Link-Laver Topology Discovery Mapper I/O Driver
Link-Layer Topology Discovery Responder
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

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Change "Obtain an IP address automatically" to "Use the following IP address". You obviously need to pick your range as described above, and allocate the IP address and Subnet mask accordingly. Assuming you are creating an isolated local event network then you should leave the "Default gateway" blank. This tells the computer that you cannot get out from the local network using this adapter, and it should find an alternate route (e.g. a mobile broadband dongle).

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator
Obtain an IP address automatical	у
Use the following IP address:	
IP address:	192.168.1.59
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address autom	natically
• Use the following DNS server add	resses:
Preferred DNS server:	
<u>A</u> lternate DNS server:	• • •
Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

Then OK. Although in theory it should not be needed it may be wise to reboot at this point!

3.4 Name Resolution

So you now have a physical connection, and have addresses in a compatible range. However we really want to talk between computers using their names, not their addresses as their addresses may change network to network.

To find out your computer's name go to Control Panel >> System and Security >> System.

▼ 🖳 ト Control Panel ト	System and Security + System	a construction of	✓ ≤y Search Control Panel
Control Panel Home	View basic information	about your computer	
Device Manager	Windows edition		
Remote settings	Windows 7 Ultimate		
System protection	Copyright © 2009 Microso	ft Corporation. All rights res	erved.
	System		
	Rating:	B,B Windows Experience	e Index
	Processor:	Intel(R) Celeron(R) CPU	540 @ 1.86GHz 1.86 GHz
	Installed memory (RAM):	4.00 GB (3.75 GB usable)	
	System type:	32-bit Operating System	
	Pen and Touch:	No Pen or Touch Input is a	available for this Display
See also	Computer name, domain, and	workgroup settings	
Action Center	Computer name:	scafell	🛞 Change settings
Windows Update	Full computer name:	scafell	
Performance Information and	Computer description:		
lools	Workgroup	SPORTIDENT	

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Windows uses two methods to resolve names to addresses:

The first is DNS (Domain Name System) which is an internet technology whereby servers act as lookup stations for names. If you decided to allocate yourself an IP address you would've seen an option for allocating DNS servers. When an IP address is handed out automatically (e.g. by your home broadband router), generally the DNS server or servers to use are allocated with it. For a local event network you could set-up a DNS server on it but this is quite advanced.

The other way Windows finds names is by broadcast on the local network. If you have a Windows 2000 or XP computer, you will probably find this just works. However all the nasty people out there on the internet have spoiled this for the rest of us, and broadcast of names is now generally turned off. Windows Vista and later have the ability to identify a network as Public or Private, with Private sub-divided into Home or Work. You may have seen a popup window shortly after plugging into a new network offering this choice. Essentially broadcast of names and receipt of those broadcasts only happens if the network is Private. The big problem here though is that Microsoft haven't thought of us running small isolated networks, they are thinking of an ever connected world. If you just have a single cable linking two computers together, you cannot change this from the default of Public hence by default hence no broadcast. You have three choices:

- 1) Don't use names, use IP addresses
- 2) Disable the firewalls, if you are on an isolated network you don't need it anyway. Think though if you are going to plug a mobile broadband dongle in though.
- 3) Enable name broadcast for Public networks

If you go with option 3, go to the "Network and Sharing Center" again and then "Change advanced sharing settings".



And then turn on "Network Discovery". You may want to turn this back off when not on events.





So we should check we can resolve names. The easiest way to do this is to perform a Ping test. Open up a command prompt (as explained above) and type in "ping <destination name>" (replacing <destination name> as appropriate e.g. "ping my-other-computer". You will get one of three results:

• The first is it will report it cannot find the host - this means the name resolution is not working.



• The second is that it will report Request timed out four times, this means the name resolution is working but the remote computer is not replying; this is not unusual as the firewall on that computer may not allow the response.



• The third result is that you get four successful replies – this is obviously good.



Note you can also do a Ping test using IP addresses to check if the computer can "see" each other.





3.5 Firewall and Anti-Virus software

As mentioned right at the top of the networking section, TCP/IP uses port numbers as "channels" for information. SQL Server by default uses 1433 on TCP.

You can check the port number using "SQL Server Configuration Manager" and double clicking on the TCP/IP Protocols.

			TCP/IP Properties
Sql Server Configuration Manager			Protocol IP Addresses
File Action View Help			■ IP11 ▲ ■ IP12 ■ ■ IP13
SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration Protocols for MSSQLSERVER SQL Server Intervention Question Question	Protocol Name	Status Enabled Disabled Enabled	B IP14 B IP14 B IP14 B IP15 B IP16 B IP2 B IP3 B IP4 B IP2 B IP3 B IP4 B IP5 B IP5 B IP6 B IP8 B IP8 B IP9 B IP4 IPAII TCP Dynamic Ports TCP Port 1433
			OK Cancel Apply Help

If you have a firewall enabled on your server computer it needs to allow traffic on this port from the client computers. There are several strategies you might want to use here:

- Turn off firewall for the duration of the event, beware use of mobile broadband dongles though.
- Allow this port through the firewall as an "Exception". Consider turning off all exceptions when on an unsecure connection e.g. coffee shop Wi-Fi.

If you have allocated your own IP addresses then you may want to only make the exception allowed for the correct addresses (this is not available under certain versions of Windows).

Windows comes with its own firewall but some Anti-Virus/Internet Security software products also have their own Firewall Software.

For any computer that has SQL Server installed and an AutoDownload database we recommend the second of the two strategies above and that an inbound rule (exception) is created to enable port 1433 and thus allow other computers to access the database.

This needs to be done either in the Windows Firewall or the third party one if it exists.





3.5.1 Enabling Port 1433 in Windows Firewall

The following is using Windows 7, the screens/process is the same for Windows 8.

In "Windows Search" look for and then open "Windows Firewall"



Then "Advanced Settings" and Inbound Rules and New Rule

Windows Firewall with Advanced	Security			
Eile Action View Help				
Windows Firewall with Advance	Inbound Rules			Actions
Cuthound Rules	Name	Group	Profile 🔶	Inbound Rules
Connection Security Rules	0		Private 🧹	🗽 New Rule
Monitoring	Alterra License Metering Dect (TCD)		Private	▼ Filter by Profile
	Altova License Metering Port (ICP)		Private	▼ Filter by State
	AVG Diagnostics		Private	▼ Filter by Group
	AVG Diagnostics		Private	View 🕨
	AVG Diagnostics 2014		Public	Q Refresh
	AVG Diagnostics 2014		Public	📑 Export List
	AVG Diagnostics 2015		Public	? Help
	O AVG Installer		Private	
	🖉 AVG Installer		Private 👻	
	•		4	1

Select "Port" and then "Next"



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Specify port 1433 and Next

Mew Inbound Rule Wizard	Same and an Inc.		×
Protocol and Ports	which this and a section		
specily the protocols and ports to	which this fulle applies.		
Steps:	Does this rule apply to TCP or UDF	P?	
Protocol and Ports	ICP		
 Action 	o <u>u</u> dp		
 Profile 			
 Name 	Does this rule apply to all local port	ts or specific local ports?	
	All local ports		
	Specific local ports:	1433	
		Example: 80, 443, 5000-5010	
	Learn more about protocol and por		
		< <u>Back</u> <u>N</u> ext > Cancel	

"Allow the connection" and Next



Next



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Add a name e.g. "SQL Server" and Finish

Wew Inbound Rule Wizard	Mail Agence, June	×
Name		
Specify the name and description	of this rule.	
Steps:		
Rule Type		
Protocol and Ports		
Action		
Profile	Name:	
Name	Sul Server	
	Description (optional):	
	< Back Finish Cance	1
		_

3.6 AutoDownload Database Settings

When trying to connect to a database on a second computer you will need to create additional database settings within AutoDownload to reference the database on the "server".

Event List >> Database Settings >> Add or Modify Database Settings >> Add Database Settings.

The server should be the name (if you have Name Resolution working) or IP address of the computer that has the database.

Add Database Settings - AutoDo	wnload from SPORTident					
Alltodawalaad	Add Database Settings		🗐 Help	Save	X Delete	🗎 Full
Autoawnoad	Data Client:	SQL Server				•
© SPORTident UK Ltd 2016	Server:	dell-11				
	Port:	1433				
v2.534.1163.2353	Database:	events				
A	Usemame:	sa				
Ծ Up	Password:	password				
U Exit						
Add Database Settings - AutoDo	wnload from SPORTident - SPORTident I	JK			_	
Add Database Settings - AutoDo	wnload from SPORTident - SPORTident I Add Database Settings	JK	🖄 Help	Save		C W X
Add Database Settings - AutoDo	wnload from SPORTident - SPORTident I Add Database Settings Data Client:	JK SQL Server	P Help	Save)	X Delete	C KAN
Add Database Settings - AutoDo Autodownload © SPORTident UK Ltd 2016	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server:	JK SQL Server 192 168 1.61	🖄 Help	Save)	X Delete	E Ful
Add Database Settings - AutoDo Autodownload & SPORTident UK Ltd 2016 v2 594 - 1152 2353	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server: Pot:	JK SQL Server 192 168 1.61 1433	Help	Save)	X Delete	E Full
Add Database Settings - AutoDo Autodownload © SPORTident UK Ltd 2016 v2 534. 1163.2353 SQL Server: dell-11 Database: events	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server: Port: Database:	JK SQL Server 192.168.1.61 1433 events	Help	Save)	X Delete	E Ful
Add Database Settings - AutoDo Autodownload © SPORTident UK Ltd 2016 v2.534.1163.2253 SQL Server: dell-11 Desize events	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server: Pot: Database: Usemame:	JK SQL Server 192.168.1.61 1433 events sa	🖄 Help	Save)	X Delete	Full
Add Database Settings - AutoDo Autodownload © SPORTident UK Ltd 2016 v2.534, 1163, 2253 SQL Server, dell-11 Database: events	wnload from SPORTident - SPORTident I Add Database Settings Data Clent: Server: Pot: Database: Usemame: Password:	SQL Server 192.163.1.61 1433 events 5a password	D Help	(Save)	X Delete	
Add Database Settings - AutoDo Autodownload © SPORTident UK 10 2016 v2.534.1163.2353 SQL Server: del-11 Database: events I Up I Database: Settings - AutoDo I Stational Control Contro	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server: Pot: Database: Usemame: Pessword:	SQL Server 192.168.1.61 1433 events sa password	圈 Help	(Save)	X Delete	
Add Database Settings - AutoDo Autodownload © SPORTident UK Ltd 2016 v2 554, 1163, 2353 SGL Server: del-11 Dutabase: events V Up © Ext	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server: Port: Database: Usemame: Password:	SQL Server 192.168.1.61 1433 events sa password	圈 Help	(Save)	X Delete	
Add Database Settings - AutoDo Autodownload © SPORTident UK Ltd 2016 v2.534, 1163, 2353 SQL Server: dell-11 Database: events	wnload from SPORTident - SPORTident I Add Database Settings Data Client: Server: Port: Database: Usemame: Password:	SQL Server 192.168.1.61 1433 events sa password	i Help	Save)	X Delete	

But remember if using the IP address this is set by network connection type so will probably be different if you are trying to connect over the Wi-Fi at home/in the office and then via an Ethernet cable at the event!

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