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# Apparo Fast Edit

# Connecting to MS SQL Server





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### 1 Situation

Apparo is using JDBC to connect to a MS SQL Server.

It can happen that it is not possible to open a database connection from Apparo because some settings of the MS SQL server network must be changed first.

### 1.1 Open SQL Server Management Studio

Microsoft SQL Server Management Studio (Administrator)         File       Edit       View       Tools       Window       Help         Image:	8 町 岡 覇 町 一 宮 道	• <b>≸</b>   ± ± * * * • •	•   🖓 🗲 🖻 • 📮
Object Explorer     ▼ ♥ ×       Connect ▼ ♥ ×♥ ■ ▼ ♥ ♥ ♥ ↓       ● test (SQL Server 16.0.1000 - test)       ■ Databases       ● System Databases	교 <sup>물</sup> Connect to Server		×
<ul> <li>■ Database Snapshots</li> <li>■ TEST</li> <li>■ Security</li> <li>■ Server Objects</li> <li>■ Replication</li> <li>■ PolyBase</li> <li>■ Management</li> <li>■ XEvent Profiler</li> </ul>	Server type: Server name: Authentication: Login: Password:	Database Engine       test       SQL Server Authentication       test       Remember password	× × × ×
		Connect Cancel Help	Options >>

Try to login into your database instance. If this is not working then the problem is a configuration issue of the database instance or login and must be fixed using the SQL Server Management Studio.



1.2 Open the SQL Server Configuration Manager

You can find this program on the SQL Server machine.

Select "SQL Server Network Configuration and open it.





## 1.3 Check if port 1433 is used



#### Select properties of TCP/IP:

CP/IP Pr	operties					?	
Protocol	IP Addresses						
Gen Gen	eral						
Enab	bled			Yes			•
Keep	p Alive			30000			
Liste	n All			Yes			
Enable	d						
Enable of	<b>d</b> or disable TCP/IF	<sup>o</sup> protocc	ol for this	server inst	tance		
Enable o	<b>d</b> Jor disable TCP/IF	<sup>o</sup> protocc	ol for this	server inst	ance		

Select tab "IP Addresses"



	Enabled	No		$^{\circ}$
	IP Address	172.3	1.8.21	
	TCP Dynamic Ports	0		
	TCP Port			
Ξ	IP3			
	Active	Yes		
	Enabled	No		
	IP Address	::1		
	TCP Dynamic Ports	0		
	TCP Port			
Ξ	IP4			
	Active	Yes		
	Enabled	No		
	IP Address	127.0.	0.1	
	TCP Dynamic Ports	0		
_	TCP Port			
9	IPAII			
	TCP Dynamic Ports	1433		
	TCP Port			$\sim$

The TCP Dynamic Ports value must be 1433.

If not then change it to 1433 and, Apply and restart the whole machine.



#### 1.4 Checking Network protocols



Check if TCP/IP and Names Pipes are enabled.



If not then enable the protocol and after that restart the whole machine.