

Setting up User Access to the RentalPoint Database

Date: November 30, 2007 - Revised Oct 2013

RentalPoint employs a Microsoft SQL Server database to store data for the application. SQL version 2005 - 2012 are supported.

RentalPoint recommends the full version of SQL Server; and minimally the 2005 version. A free version is available online (SQL Express), however it limits the size of a database to 1 GB. SQL Express also will not utilize multiple CPU's, should the server have them, resulting in a possible degradation of performance.

1. Active Directory Group

An Active Directory group is recommended for providing access to the database. A default installation of SQL Server restricts remote access to the server instance. Default database roles and privileges need to be opened up to all RentalPoint users. Both NT Authentication and SQL Authentication logins are supported. These changes are generally made using the Microsoft SQL Server Management Studio utility, available for download online.

How to Set up Group Access:

- Open the Server Management Studio utility.
- Connect to the server instance that RentalPoint is installed on by selecting the server from the drop down list and clicking Connect.
- Expand the folders in the left pane.
- Right click the Security folder and select New Login.





• Enter the login name. This should be the RentalPoint group that was defined in Active Directory. Ensure the default database is set to the RentalPoint database.

🔒 Login - New				
Select a page	Script 🔻 📭 Help			
Server Roles User Mapping Securables Status	Login name: <u>Windows authentication</u> <u>SQL Server authentication</u> <u>Password:</u> <u>Confirm password:</u> <u>Specify old password</u> <u>Old password:</u> <u>Fnforce password policy</u> <u>Enforce password expira</u> <u>User must change passw</u> <u>Mapped to certificate</u>	MyServerName\Rental	Point	Search
Connection	Map to Credential			▼] <u>A</u> dd
Server: RPWS-22\SQLExpress Connection: RENTALPOINT\mandy	Mapped Credentials	Credential	Provider	
Progress				Remove
Ready	Default <u>d</u> atabase: Default lan <u>g</u> uage:	Demotest English		•
			ОК	Cancel



• Click on the Server Roles tab on the left pane. Ensure all roles are selected.

Login - New	when our work it must	
Select a page General Server Roles	Script 🔻 📑 Help	
User Mapping Securables Status	Server role is used to grant server-wide security privileges to a user.	
_	Server roles:	
	V diskadmin V processadmin	
	Securityadmin	
	setupadmin	
Connection		
Server: RPWS-22\SQLExpress		
Connection: RENTALPOINT\mandy		
View connection properties		
Progress		
Ready		
	ОК	Cancel



• Click on the User Mapping tab on the left pane. Tick the box next to the RentalPoint database. In the bottom half of the window, **select all roles except db_denydatareader and**

Login - New					
Select a page General Server Roles	Script	🕶 🖺 Help			
User Mapping	Users mappe <u>d</u> to this login:				
	Мар	Database	User	Default Schema	
Er Status		betaTest			
	V	Demotest	MyServerName\	Rental	
		DEV_DATA			
		master			
		model			
		msdb			
		tempdb			
Connection	Database	role membership for: D	emotest		
Server: RPWS-22\SQLExpress	✓ db_ac ✓ db_ba ✓ db_da	cessadmin ckupoperator tareader			
Connection:	☑ db_datawriter				
RENTALPOINT\mandy	U db_ddladmin				
View connection properties	☐ db_de ▼ db_ow	nydatawriter /ner			
Progress	db_se	curityadmin			
Ready	v public				
				ок	Cancel

db_denydatawriter.

6. There are no changes to the Securables or Status tabs. Click OK to save your changes.



2. Enable TCP/IP and Named Pipes on the Server:

TCP/IP protocol must be enabled on the server in order to allow connection to the database.

- a. From the Start menu launch the SQL Server Configuration Manager.
- b. Click Protocols for SQLServer (or SQLEXPRESS).
- c. Ensure Named Pipes and TCP/IP are enabled.
- d. Double Click on TCP/IP and go under IP Address Tab
 - i. Confirm IP Address is correct for the server
 - ii. TCP Port should be 1433

iii. Dynamic Port should be blank

Sql Server Configuration Manager	the second second second second	
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SQL Server Configuration Manager (Local) SQL Server Services J SQL Server Network Configuration (32bit) ⇒ SQL Server Network Configuration (32bit) → SQL Server Network Configuration ↓ SQL Server Network Configuration ↓ SPC Server Network Configuration ↓ Protocols for SQLEXPRESS ↓ SQL Native Client 10.0 Configuration	Protocol Name Status Shared Memory Enabled Named Pipes Enabled TCP/IP Enabled VIA Disabled	Ensure both are enabled
	TCP/IP Properties	8 ×
	Protocol IP Addresses	
		A
	Active	Yes
	Enabled	No
	IP Address	fe80::cd8:4e45:d511:56f3%16
	TCP Dynamic Ports	
	TCP Port	1433
	I IP10	
	Active	Yes
	Enabled	No
	IP Address	127.0.0.1
۲ <u> </u>	TCP Dynamic Ports	1422
		1455
	Active	Yes
	Enabled	No
	IP Address	fe80::5efe:10.100.55.20%12 👻
	TCP Port TCP port	
	ОК	Cancel Apply Help

e. You MUST Restart the SQL instance for changes to take effect – see next page for instructions



- f. How to Restart SQL Instance via SQL Server Management Studio (SSMS)
 - In SSMS Registered Servers or Object Explorer, right-click the server instance you want to restart, and then click **Restart**.
 A message box asks whether you are sure you want to restart SQL Server on the server instance you chose.
 - Click Yes.
 A green arrow on the icon next to the server name indicates that the server restarted successfully.

3. Enabling TCP/IP and Named Pipes on the Client:

- a. Go to the Start menu and click run.
- b. Type in cliconfg.
- c. Ensure Named Pipes and TCP/IP are enabled.

SQL Server Client Network Utility	x
General Alias DB-Library Options Network Lib	raries
Disabled protocols:	Enabled protocols by order: Named Pipes TCP/IP
 Force protocol encryption Enable shared memory protocol 	Properties
ОК	Cancel <u>Apply</u> Help