Creating an SQL Server Login for Streamline

Streamline's Database connection is designed to create a new project through a direct connection to the ERP's database. The connection requires entering login information such as user name and password. In this guide, we show how to create a database login with read-only permissions if your ERP runs Microsoft SQL Server.

To create the login, do the following:

1. Open Microsoft Management Studio.

2. In the **Object Explorer** window expand the **Root element** (your server) > **Security** > **Logins**. Then, right-click at the **Logins** node and select the **New Login...** command from the context menu (see figure below).



- 3. Set up the new login (see figure below).
- 3.1. Enter a name for the new login into the **Login name** field.
- 3.2. Choose the SQL Server authentication option.
- 3.3. Enter a password and confirm it.
- 3.4. Uncheck the **Enforce password policy** option.

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🚦 Login - New				_		×
Select a page	🔄 Script 🔻 📑 Help					
General Server Roles User Mapping Securables Status	Script ▼ ■ Help Login name: Windows authentication SQL Server authentication Password: Confirm password: Specify old password Old password: Enforce password policy Enforce password expirat User must change password	navuser			Search	h
	Mapped to ce <u>r</u> tificate			\sim		
	 Mapped to asymmetric key 			\sim		
Connection	Map to Credential			\sim	<u>A</u> dd	
Server: andrew-pc	Mapped Credentials	Credential	Provider			
Connection: ANDREW-PC\Andrew						
View connection properties						
Progress					Remo	<u>v</u> e
Ready	Default <u>d</u> atabase:	master		~		
~4.5*	Default language:	<default></default>		~		
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4. Add a new user to the database based on the newly created login. In our example, we are creating a new user for the Microsoft Dynamics NAV database.

4.1. Go to the **Object Explorer**. Expand **Databases** > <Your database name> > **Security** > **Users**.

4.2. Right-click at the **Users** node and select the **New user...** command from the context menu (see figure below).

Object Explorer							
Connect 🕶 🛃 📃 🍸 🧃	2 😼						
😑 🐻 andrew-pc (SQL Server 12.0.2269 - ANDREW-PC\Andrew)							
😑 🚞 Databases							
🕀 🚞 System Databas	ses						
🕀 🧻 base							
🕀 🧻 Database-pope	yesquebec						
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🖃 🔰 NAVDEMO							
🕀 🧰 Database Di	agrams						
🕀 🧰 Tables							
🕀 🧰 Views							
🕀 🧰 Synonyms	1.12						
🕀 🦲 Programma	bility						
E Service Brok	(er						
🕀 🧾 Storage							
	New User						
	New Oser						
	Filter	•					
	Policies	•					
<u>8</u>	Facets	RVICE					
⊞ 🧰 Role	Start PowerShell						
⊕ 🧰 Sch	Reports	•					
⊕ 🛄 Asy ⊕ 🧰 Cer	Refresh						
🕀 🧰 Symmet	ric Keys						
	*						

4.3. Select the User type as SQL user with login.

4.4. Enter a name for the new user into the **User name** field. In our example, it coincides with the login name.

4.5. Enter the login name that we have created previously into the **Login name** field.

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间 Database User - New	_		×
Select a page General	Script 🔻 🚺 Help		
Powned Schemas	User type:		
Securables	SQL user with login		~
	User <u>n</u> ame:		
	navuser		
	Login name:		
	navuser		
	Default <u>s</u> chema:		
	dbo		
Connection			
Server: andrew-pc			
Connection: ANDREW-PC\Andrew			
View connection properties			
Progress			
Ready			
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4.6. Go to the **Owned Schemas** page and select the **db_datareader** option (see figure below).

间 Database User - New	—		×
Select a page General Owned Schemas Membership Securables Extended Properties	Script Schemas owned by this user: Owned Schemas db_accessadmin db_backupoperator db_datareader db_ddladmin db_denydatareader db_denydatareader db_denydatareader db_securityadmin guest		
Connection Server: andrew-pc Connection: ANDREW-PC\Andrew View connection properties Progress Ready Ready			
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4.7. Go to the **Membership** page and select the **db_datareader** option (see figure below).

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间 Database User - New			_		×
Select a page	S	🖁 Script 🔻 📑 Help			
Owned Schemas Membership Securables Extended Properties		Database role membership: Role Members db_accessadmin db_backupoperator db_datareader db_ddladmin db_denydatareader db_denydatawriter db_owner db_securityadmin			
Connection					
Server: andrew-pc					
Connection: ANDREW-PC\Andrew					
Progress					
Ready					
			OK	Cance	el

The last two options ensure that the user will have read-only access to the database.

5. Enable the SQL Server authentication mode.

5.1. Open Server properties (see figure below).



5.2. Go to the **Security** page and select the **SQL Server and Windows Authentication mode** (see figure below).

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Server Properties - andrew-	рс	_		×
Select a page General	🔄 Script 🔻 📑 Help			
Memory Processors Security Connections Database Settings Advanced Permissions	Server authentication Windows Authentication mode SQL Server and Windows Authentication mode Login auditing None Failed logins only Successful logins only Both failed and successful logins Server proxy account Enable server proxy account			
Connection	Password			
Server: andrew-pc Connection: ANDREW-PC\Andrew	Options Enable C2 audit tracing Cross database ownership chaining			
Progress				
Ready				
		ОК	Cance	el .

In the case you need to connect to the database remotely, you should allow remote connections to the server. To do this, perform the step shown below.

5.3. Go to the **Connections** page and check the **Allow remote connections to this server** option (see figure below).

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Server Properties - andrew-	pc —		×
Select a page General	Script 🔻 🛐 Help		
Memory Processors Security Connections Database Settings Advanced Permissions	Connections Maximum number of concurrent connections (0 = unlimited): Use query governor to prevent long-running queries Default connection options:		
	implicit transactions cursor close on commit ansi warnings ansi padding ANSI NULLS arithmetic abort		*
Connection	Remote server connections		
Server: andrew-pc Connection: ANDREW-PC\Andrew Wiew connection properties	 Allow remote connections to this server Remote guery timeout (in seconds, 0 = no timeout): 600 Require distributed transactions for server-to-server communication 		
Progress			
Ready	<u>C</u> onfigured values <u>R</u> unning values		
	OK	Can	cel

6. Restart your SQL Server.

6.1. Go to the Windows Taskbar, click the **Search** icon, type in 'Services', and press **Enter** (see figure below)



6.2. Find the **SQL Server** service and click the **Restart** link found in the left-top corner of the window (see figure below).

🔅 Services		
File Action View Help		
Services (Local)		
SQL Server (MSSQLSERVER)	Name	Descriptior
Stop the service Pause the service <u>Restart</u> the service	 Secondary Logon Secure Socket Tunneling Protocol Ser Security Accounts Manager Security Center 	Enables sta Provides su The startup The WSCS\
Service Control	× pr Data Service	Delivers da
Windows is attempting to stop the following service on Local Com SQL Server (MSSQLSERVER)	puter or Service er ed PC Account Manager Hardware Detection t Card t Card Device Enumeration Service t Card Removal Policy	A service for Supports fi Manages p Provides no Manages a Creates sof Allows the Receives tr
	Software Protection Spatial Data Service Spire API Server Spire-postgresql-10	Enables the This service
	 Spot Verifier SQL Server (MSSQLSERVER) SQL Server Agent (MSSQLSERVER) SQL Server Browser SQL Server VSS Writer 	Verifies pot Provides st Executes jc Provides S(Provides th

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