# Microsoft SQL Server® 2017 Express Configuration

This article will guide you through the process of configuring SQL Server 2017 Express, after it has been installed with the preview steps ("Installation of Microsoft SQL Server®", Topic 2).
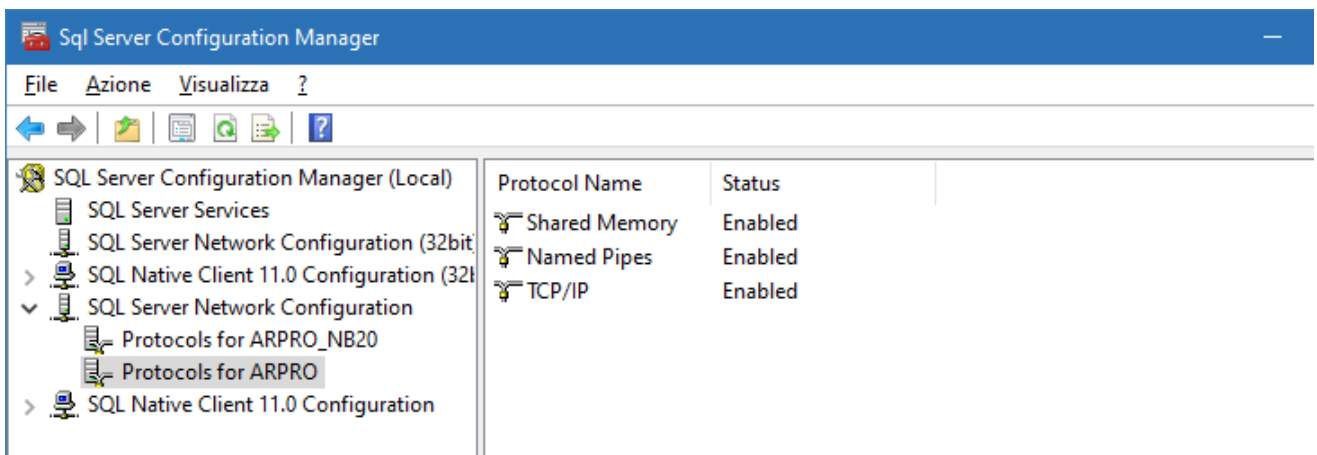
Enable TCP/IP

We need to configure the Microsoft SQL Server® "Network options", that are disabled by default.

1. In the Start Menu, open Programs > Microsoft SQL Server 2017 > Configuration Tools > SQL Server Configuration Manager
2. Expand "SQL Server Network Configuration" node and select "Protocols …"
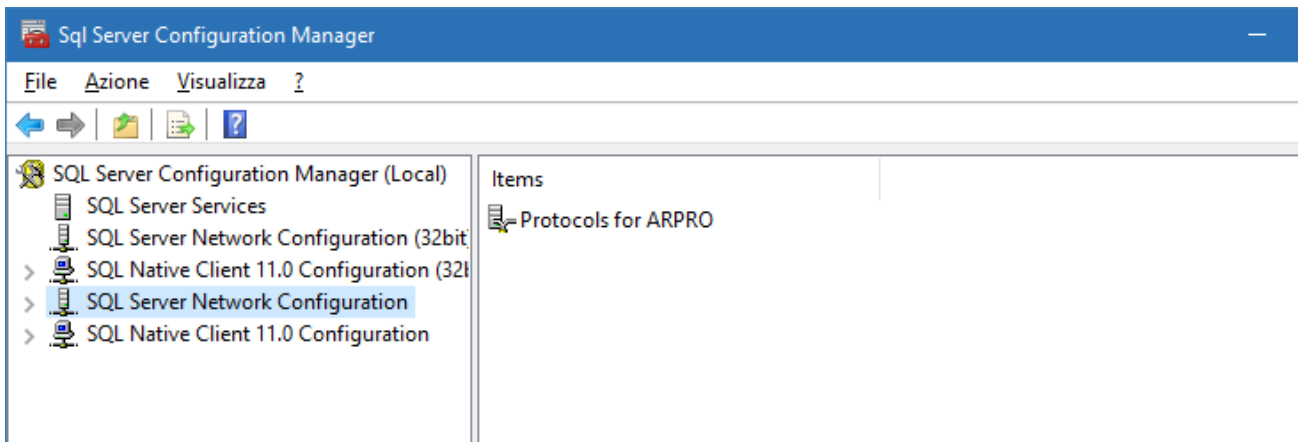
3. If you need Named Pipes, then you can enable them here as well

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Europe area (Italy)
Via Bafile, Jesolo, Venezia 30016
Via Cividina s.n., Udine 33100
Phone: +39 0421 170 6520
Skype: arpro-solutions

North America area (USA)
692 Seabrook Court
Altamonte Springs, Florida 32714
Phone: (407) 534-4994
Toll free: +39 (0421) 170-6520

Latin America area
Marina Mile, 169 Suite 1
Asunción, Pagaguay 11099
Phone: + 595 21 493 918
Skype: arprosa-solutions

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arpro.it
commerciale@arpro.it
software@arpro-solutions.com

arpro-solutions.com
sales@arpro-solutions.com
info@arpro-solutions.com

simpleaccountingprogram.com
sales2@arpro-solutions.com
tecnico@arpro.it

4. (Enable TCP/IP) Right click on the "TCP/IP" and select "Properties"; then click the "IP Addresses" tab, insert the relative TCP Port number (e.g. 1433).
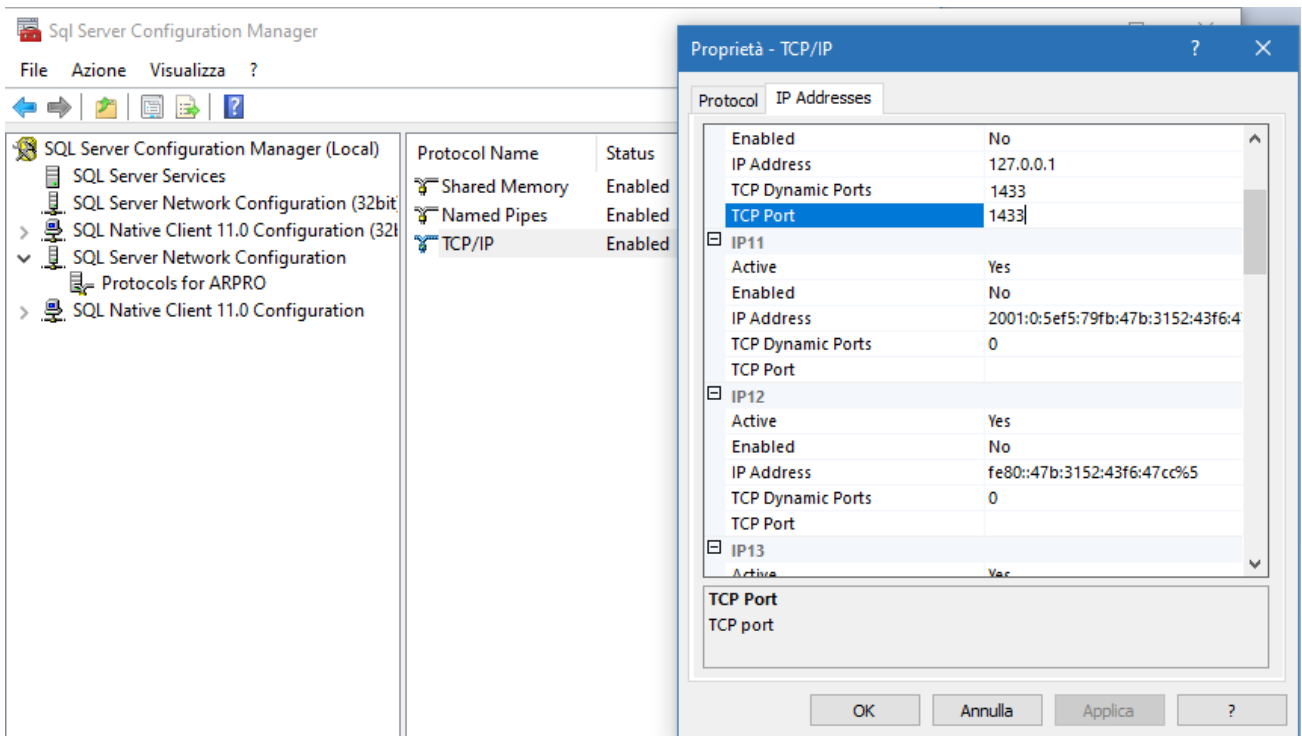
5. Close the SQL Server Configuration Manager.

Configuration the "Server Authentication" and "SA Account"

In the Start Menu, open Programs > Microsoft SQL Server 2017 > SQL Server Management Studio
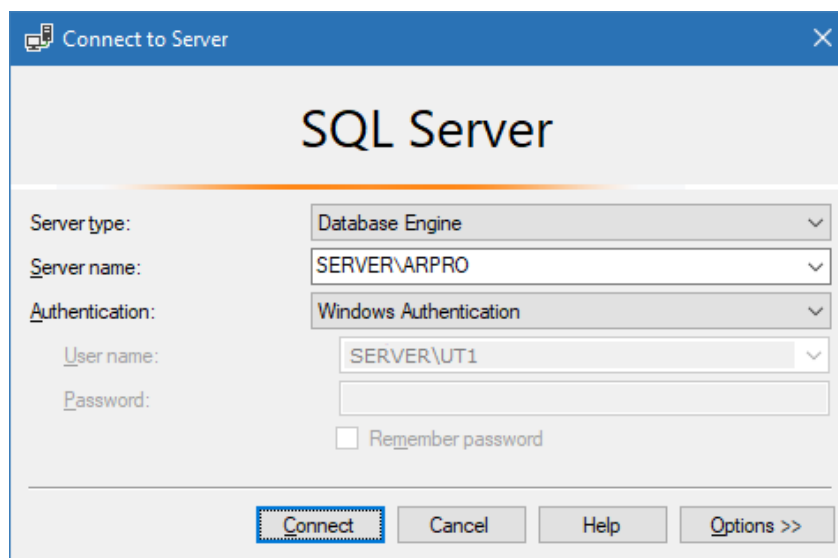
Server name:
exact computer name and instance
(E.g.: JOHN\ARPRO).

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Via Cividina s.n., Udine 33100	Altamonte Springs, Florida 32714	Asunción, Pagaguay 11099
Phone: +39 0421 170 6520	Phone: (407) 534-4994	Phone: + 595 21 493 918
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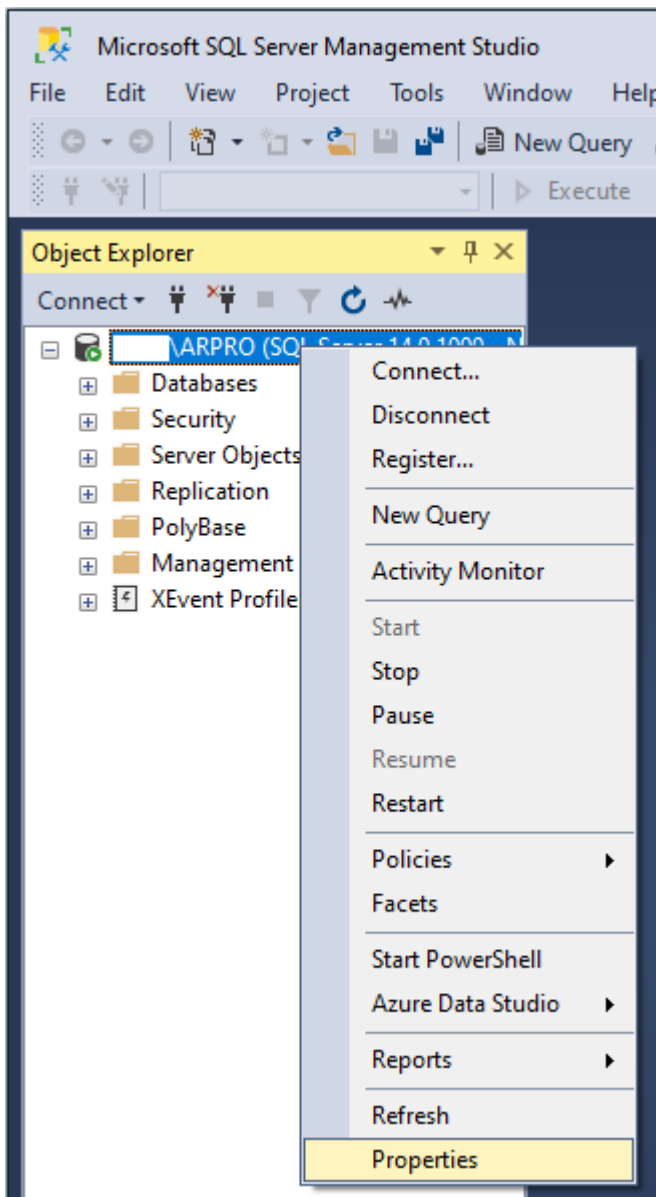| arpro.it	arpro-solutions.com	simpleaccountingprogram.com
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Server Authentication

If "Windows Mode" (Windows authentication) has been selected during the process of installing SQL Server 2017 Express, "Server Authentication" needs to be configured on the Database Engine Configuration page.

1. Right click on the instance name and select "Properties" from the list, in the new window.

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Via Bafile, Jesolo, Venezia 30016
Via Cividina s.n., Udine 33100
Phone: +39 0421 170 6520
Skype: arpro-solutions

North America area (USA)
692 Seabrook Court
Altamonte Springs, Florida 32714
Phone: (407) 534-4994
Toll free: +39 (0421) 170-6520

Latin America area
Marina Mile, 169 Suite 1
Asunción, Pagaguay 11099
Phone: + 595 21 493 918
Skype: arprosa-solutions

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arpro.it
commerciale@arpro.it
software@arpro-solutions.com

arpro-solutions.com
sales@arpro-solutions.com
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2. Select "Security" and activate "SQL Server and Windows Authentication mode", on the Server authentication section.
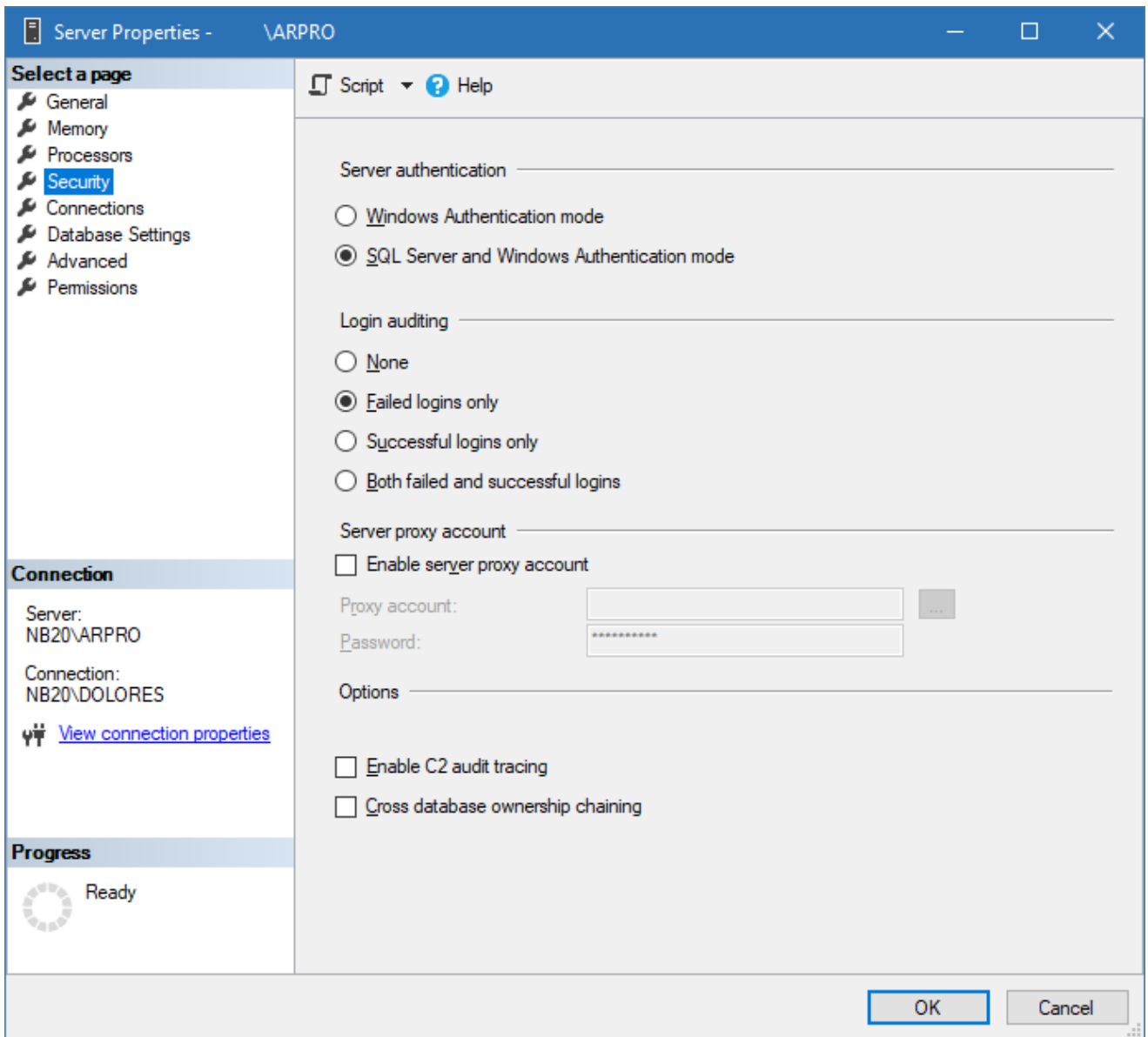
SA Account

The configuration involves 2 distinct phases: account activation and insertion of the login password.

1. Select "Security" on the Object Explorer window, then "Access Account"
2. Right click on "sa" account and select "Properties" in the new window
3. With "General" selected, insert the Password. We suggest the default, used in @/Arpro configuration: belmondo123$

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Europe area (Italy)
Via Bafile, Jesolo, Venezia 30016
Via Cividina s.n., Udine 33100
Phone: +39 0421 170 6520
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Altamonte Springs, Florida 32714
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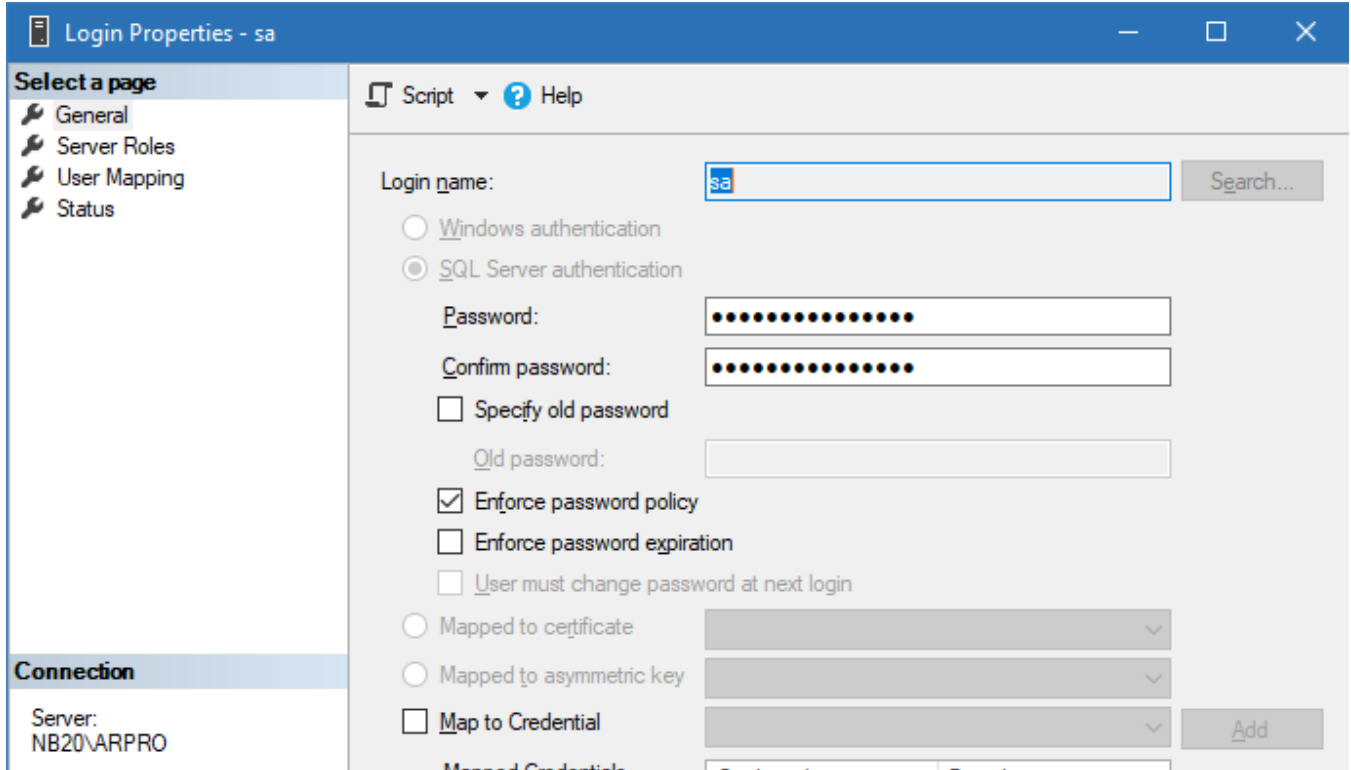Toll free: +39 (0421) 170-6520

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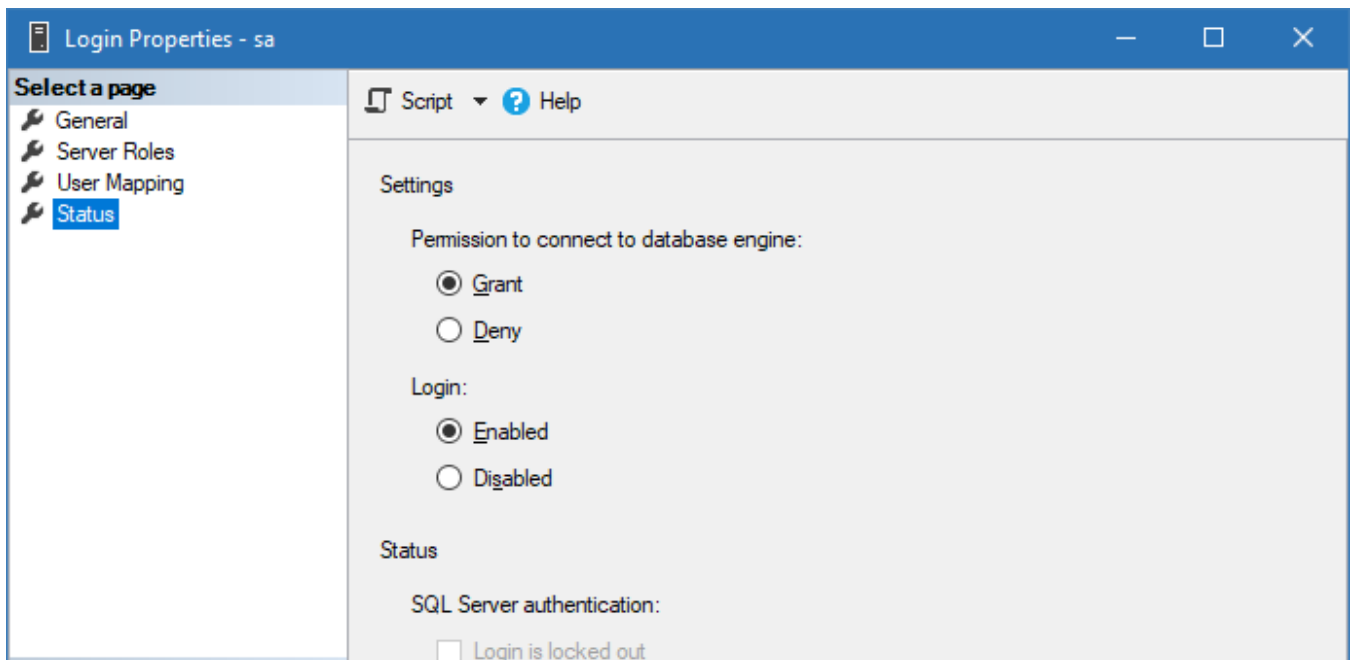Phone: + 595 21 493 918
Skype: arprosa-solutions

arpro.it
commerciale@arpro.it
software@arpro-solutions.com

arpro-solutions.com
sales@arpro-solutions.com
info@arpro-solutions.com

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sales2@arpro-solutions.com
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4. With "Status" selected, we can activate the "sa" account (Enabled)

Add Firewall Exceptions

If you have a software firewall installed on your server, you will need to add exceptions for the SQL Server and SQL Browser services. If you are using Windows Firewall, do the following:

1. In your Windows Control Panel, open the "Windows Firewall" applet.
2. Go to the Exceptions tab.
3. Click Add Program
4. Browse to and select "C:\Program Files\Microsoft SQL Server\MSSQL.10\MSSQL\Binn\sqlservr.exe"
5. Click OK.
6. Click Add Program
7. Browse to and select "C:\Program Files\Microsoft SQL Server\90\Shared\sqlbrowser.exe"
8. Click OK and then click OK again.

If you are using a third-party software firewall, you will need to follow their instructions to add exceptions to sqlservr.exe and sqlbrowser.exe.

Restart the Services or Reboot the Server

When you have completed all of these steps, you will need to restart the SQL Server and SQL Browser services to complete the process. If you still have problems, you may need to restart your server.

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