

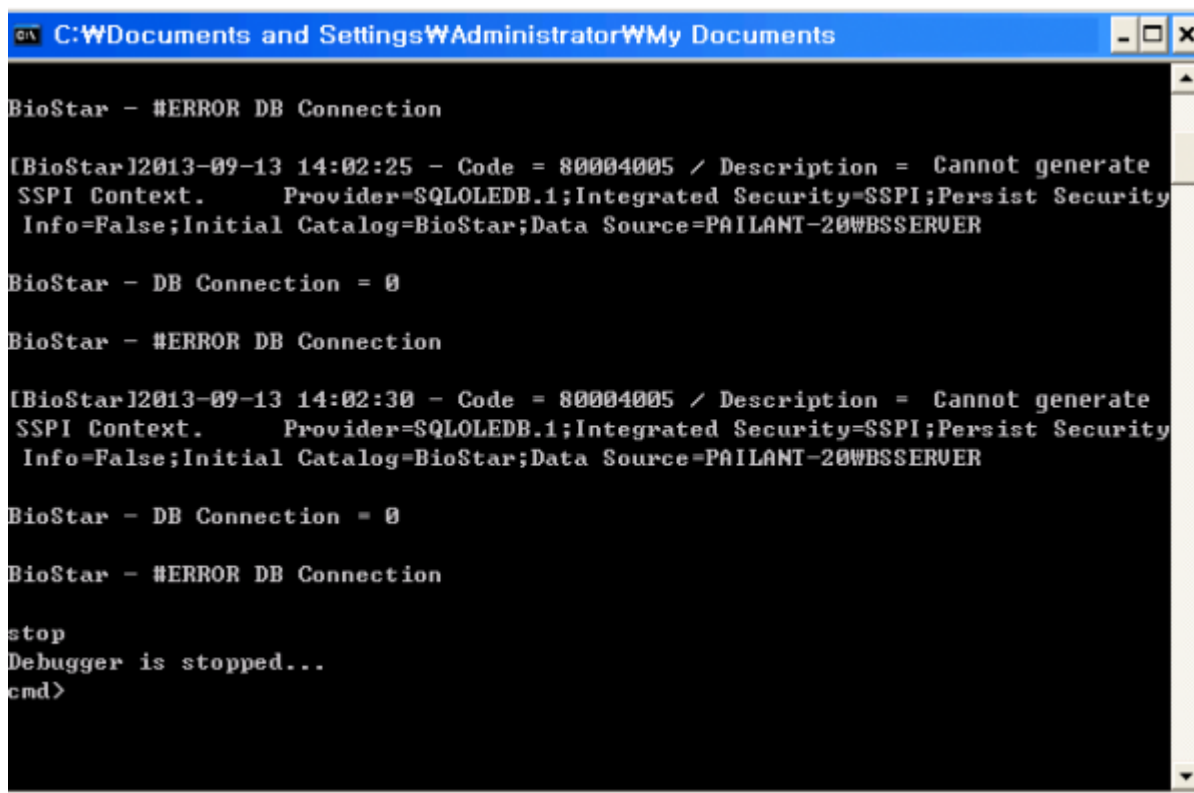
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## How to solve the Cannot Generate SSPI Context error

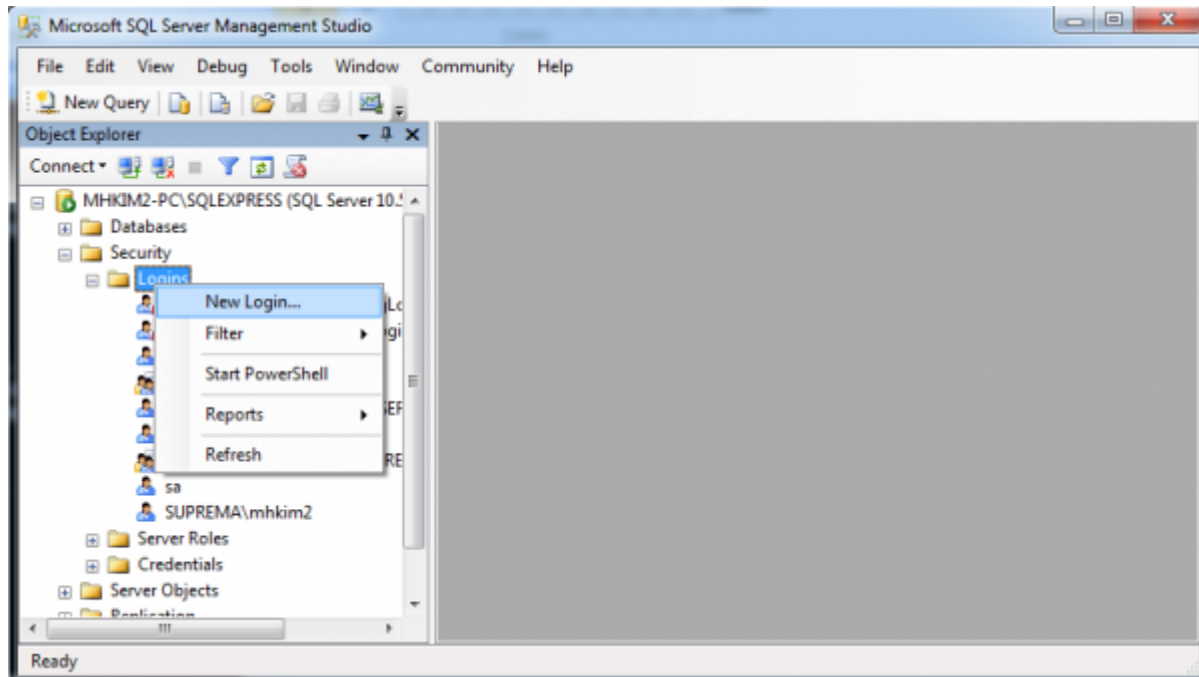
If you get the Cannot Generate SSPI Context error from our Server Monitoring tool as shown in the figure below, we should use **SQL Server Authentication** instead of **Windows Authentication** as a login method.

A screenshot of a Windows command prompt window. The title bar reads 'C:\Documents and Settings\Administrator\My Documents'. The command prompt shows the following text:

```
BioStar - #ERROR DB Connection  
[BioStar]2013-09-13 14:02:25 - Code = 80004005 / Description = Cannot generate  
SSPI Context.      Provider=SQLOLEDB.1;Integrated Security=SSPI;Persist Security  
Info=False;Initial Catalog=BioStar;Data Source=PAILANT-20WBSSERVER  
BioStar - DB Connection = 0  
BioStar - #ERROR DB Connection  
[BioStar]2013-09-13 14:02:30 - Code = 80004005 / Description = Cannot generate  
SSPI Context.      Provider=SQLOLEDB.1;Integrated Security=SSPI;Persist Security  
Info=False;Initial Catalog=BioStar;Data Source=PAILANT-20WBSSERVER  
BioStar - DB Connection = 0  
BioStar - #ERROR DB Connection  
stop  
Debugger is stopped...  
cmd>
```

To fix this problem, we need to create a new SQL Server account.

1. Run **Microsoft SQL Server Management Studio**.
2. Expand the **Security** item in **Object Explorer** and right-click **Logins** and choose **New Login...**.



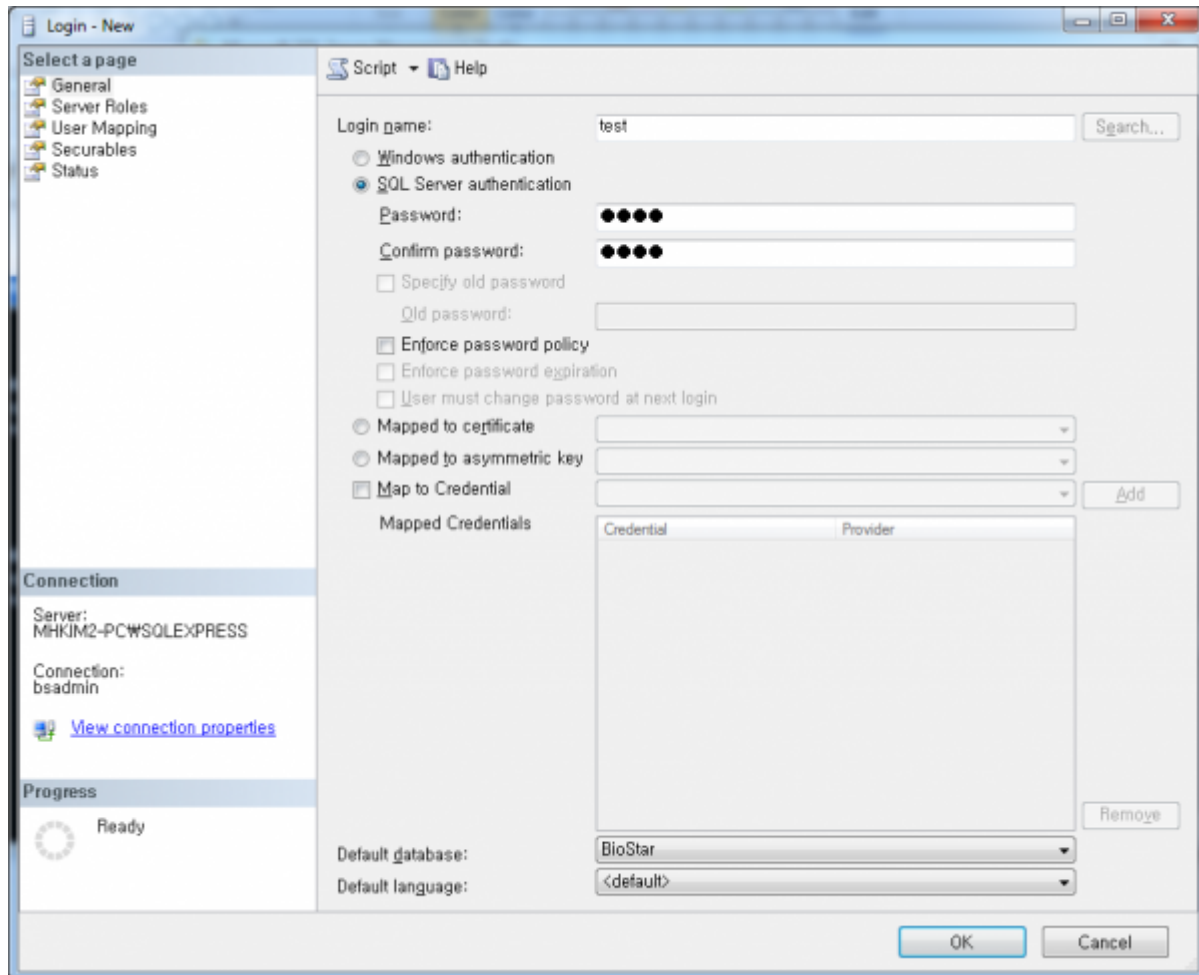
3. Enter an account name in the **Login name** field and choose **SQL Server authentication**. Then, enter a password for the account.

4. Uncheck the following options to set the password as you want:

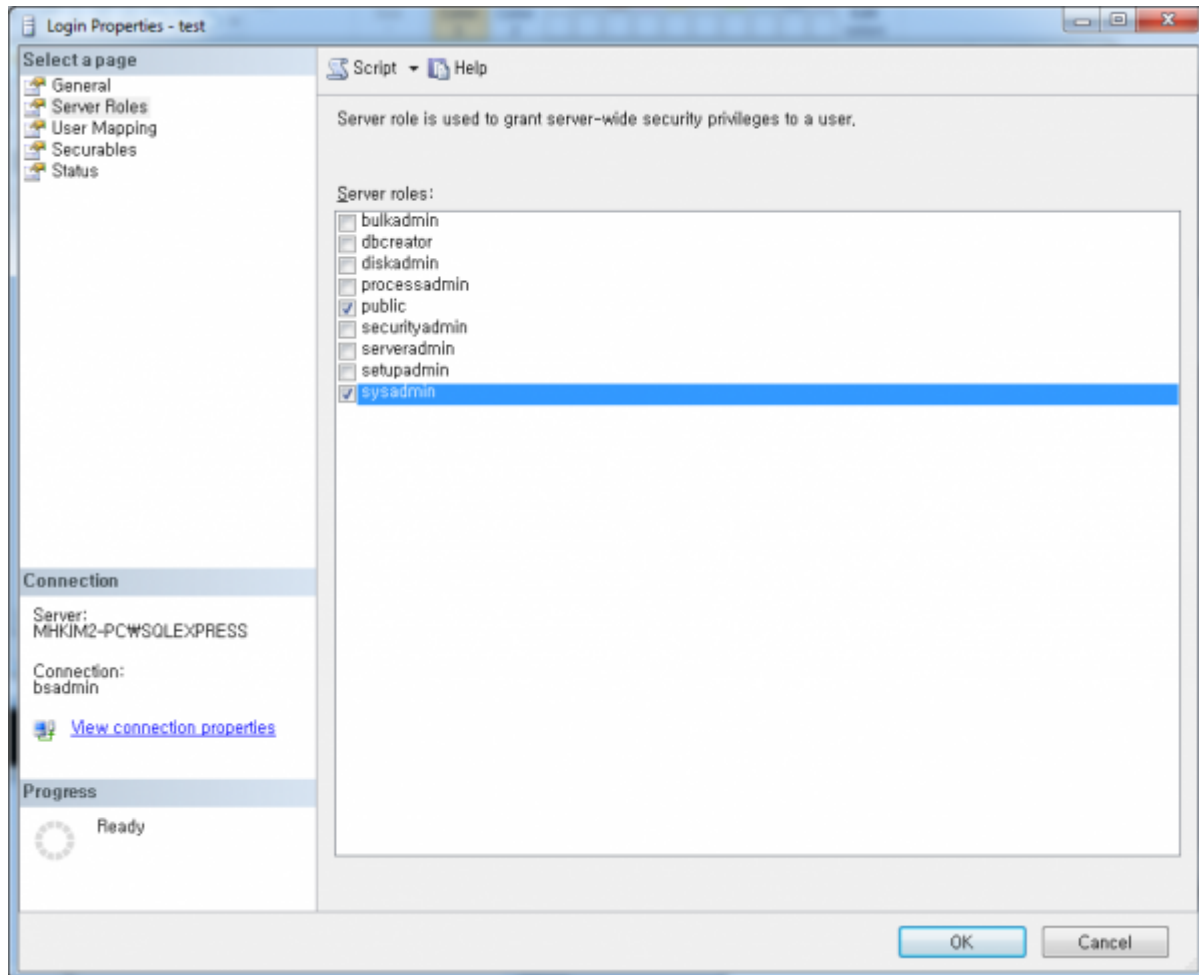
- Enforce password policy
- Enforce password expiration
- User must change password at next login

If the options are checked, you should the password according to security policy in Windows.

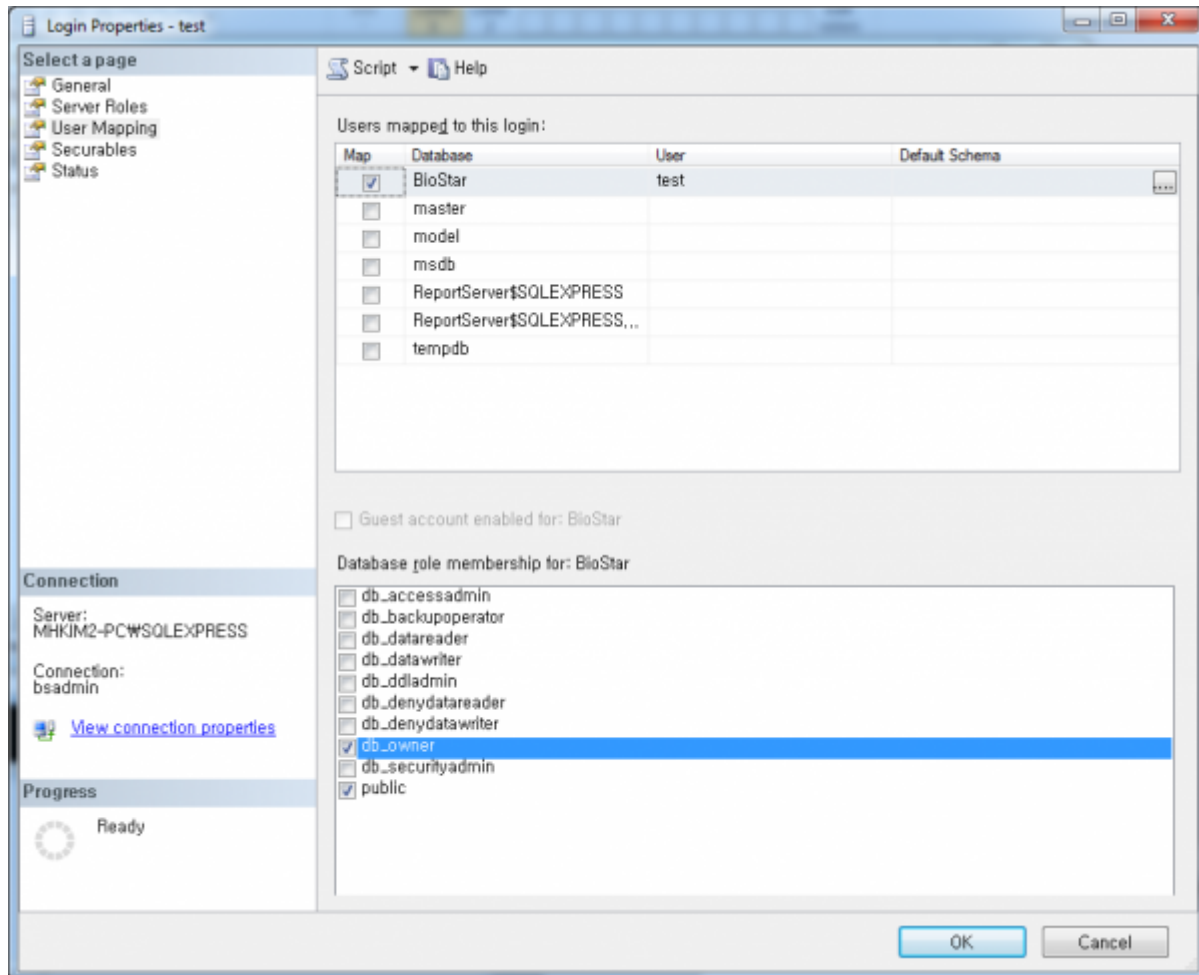
5. Choose **BioStar** from the **Default database** drop-down list.



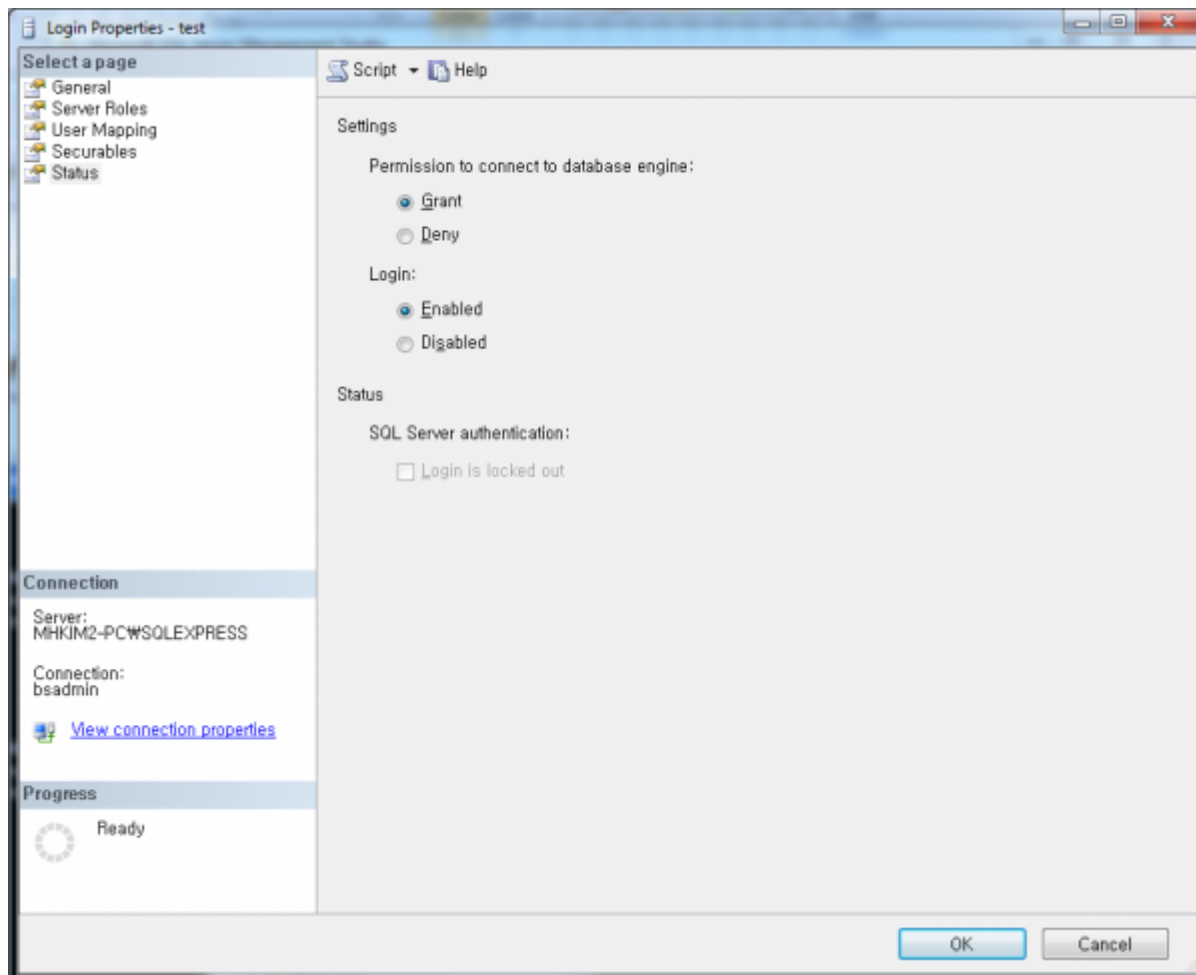
6. Go to the **Server Roles** page and select **sysadmin**.



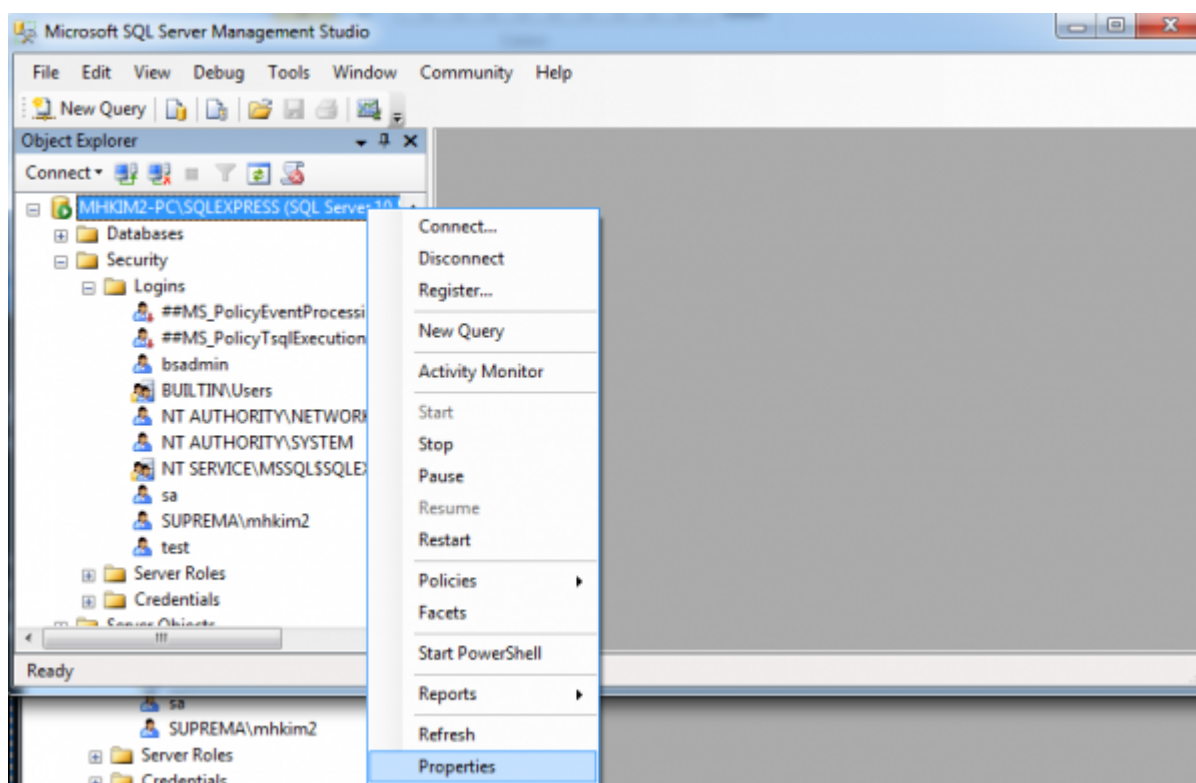
7. Go to the **User Mapping** page and choose **BioStar** and **db\_owner**.



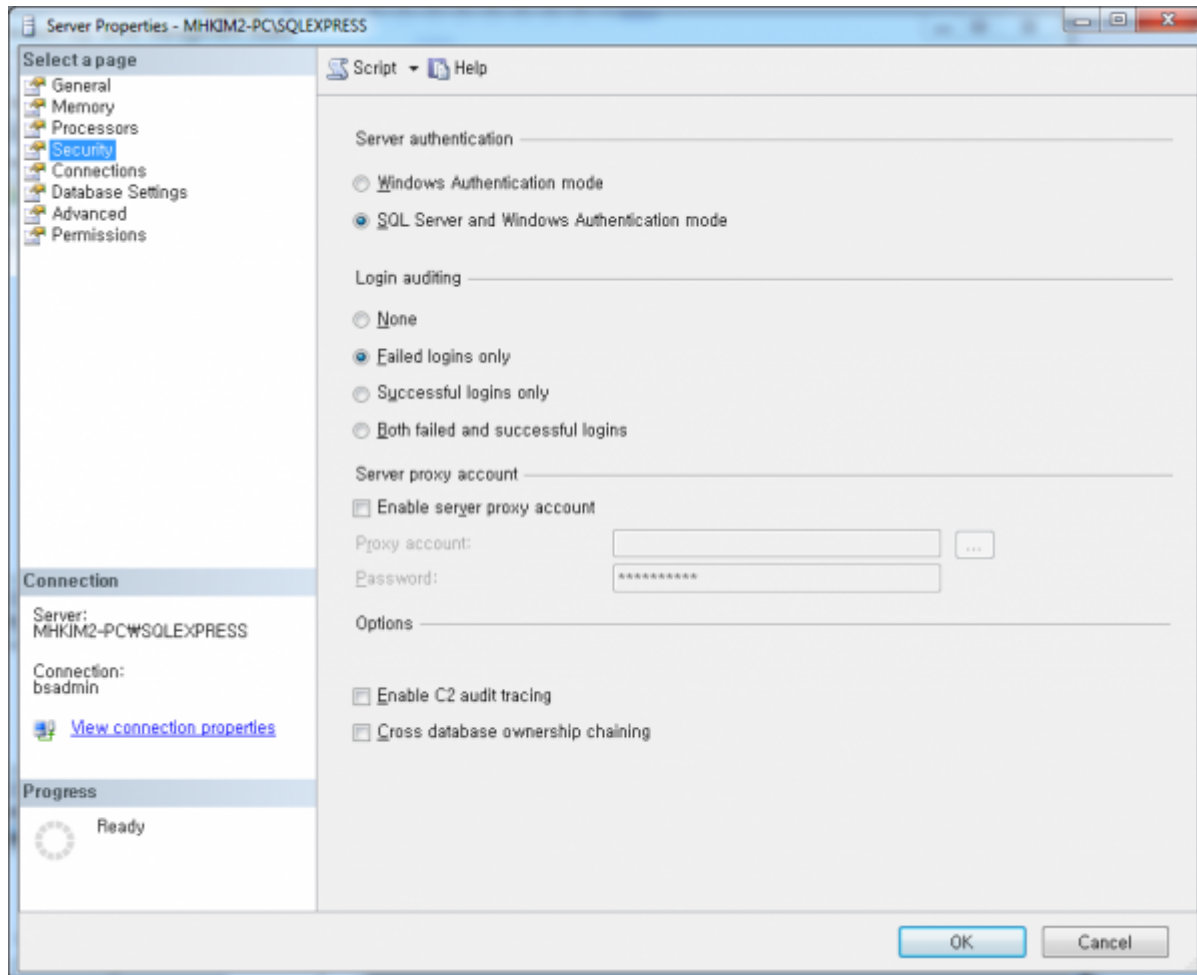
8. Go to the **Status** page and set **Permission to connect to database engine** to **Grant** and **Login** to **Enabled**.



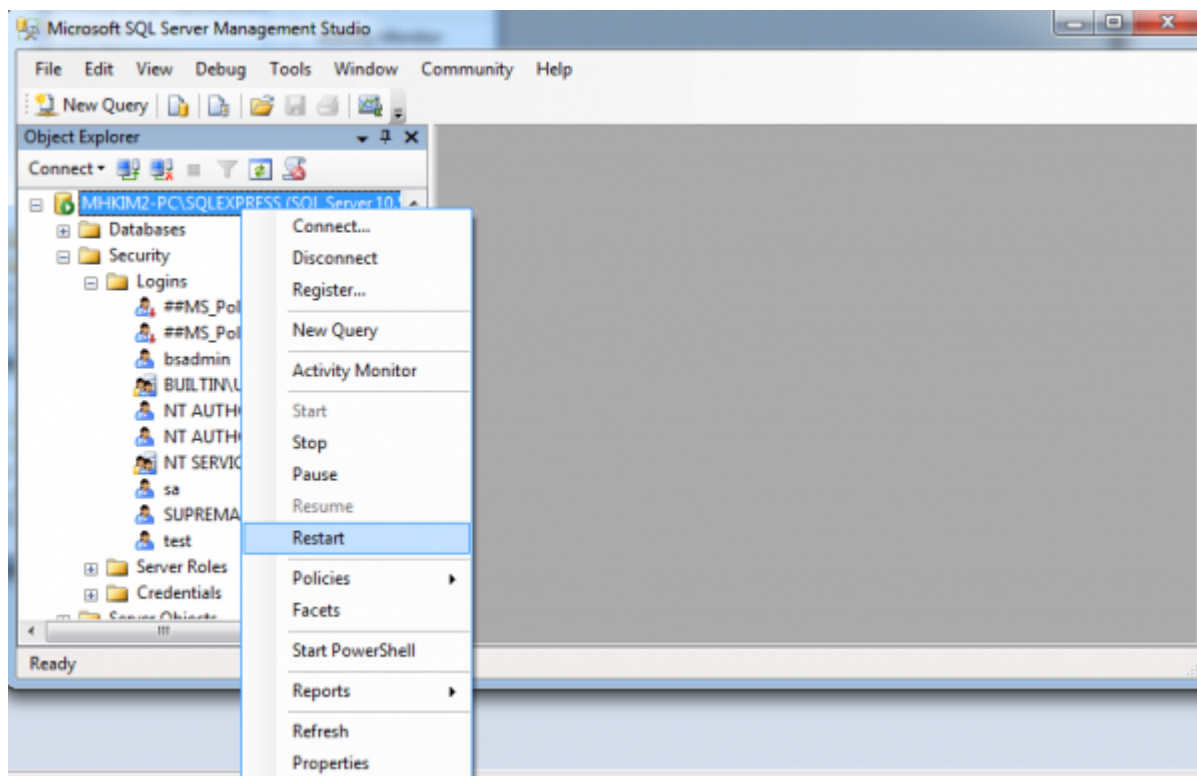
9. Right-click the database server in **Object Explorer** and choose **Properties**.



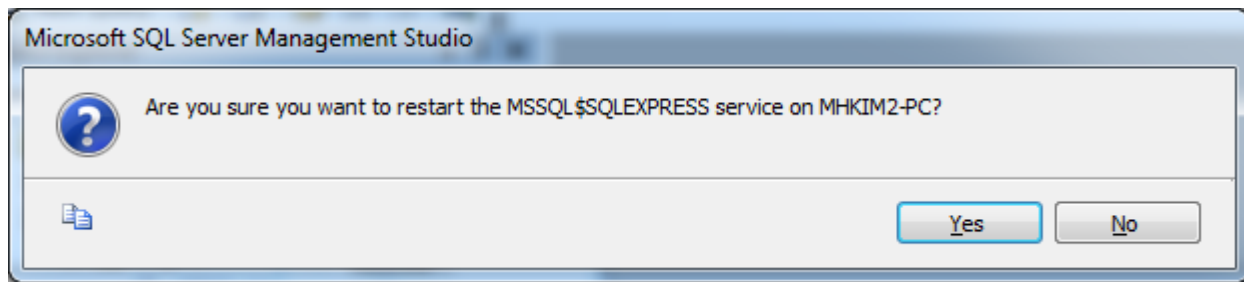
10. Go to the **Security** page and choose **SQL Server and Windows Authentication** mode.



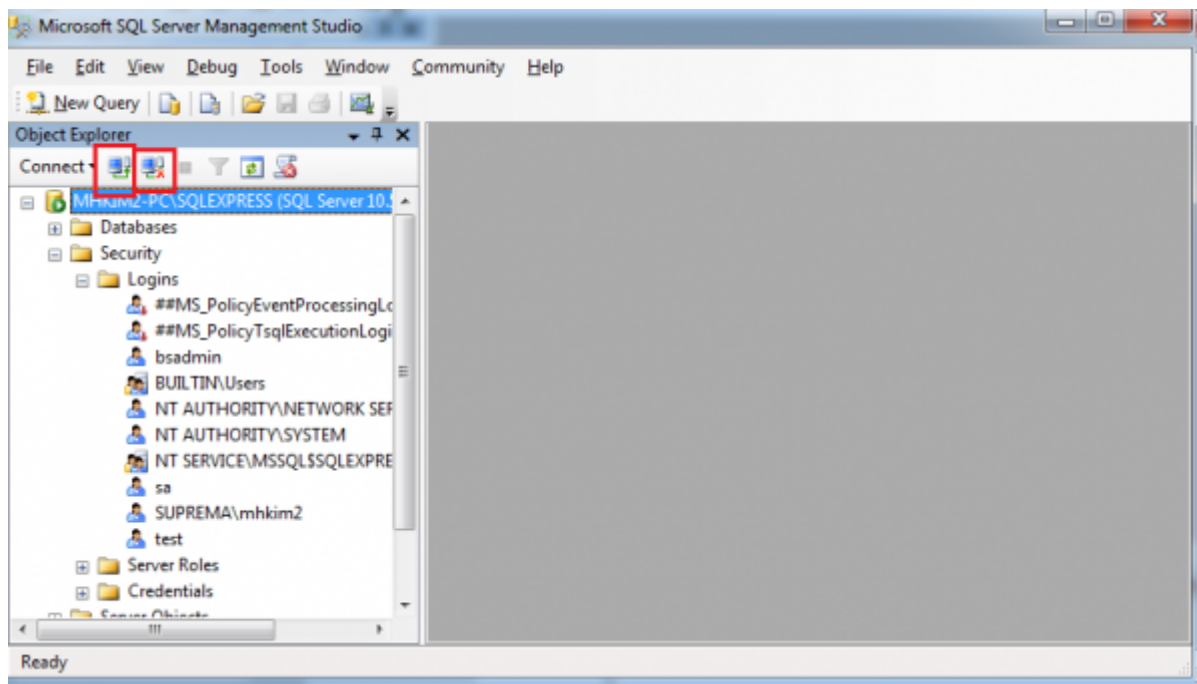
11. Right-click the database server and restart it. When a message box shows up, click **YES**.







10. Disconnect the database server in **Object Explorer** and reconnect to it using the ID you've just created.



11. Choose **SQL Server Authentication** from the **Authentication** drop-down list and enter the ID and password. Then, click **Connect**.



12. If you succeed to connect to the database server, the account is successfully created. Run **BioStar Server Config**.

13. Choose **Server Authentication** and enter the ID and password. Before clicking **Start**, we should check if the port specified here matches the port of MS SQL Database Server.

**BioStar Server Config**

**Status**

**Stopped** **Start**

**Connection**

**TCP Port**  **Thread Count**  **Client List ...**

**Database**

**Database Type**  **Database Name**  **Set Name**

☒ **Server Authentication** ☐ **Windows Authentication**

**Database Server**  **Port**

**ID**  **Password**

**Max Connection**

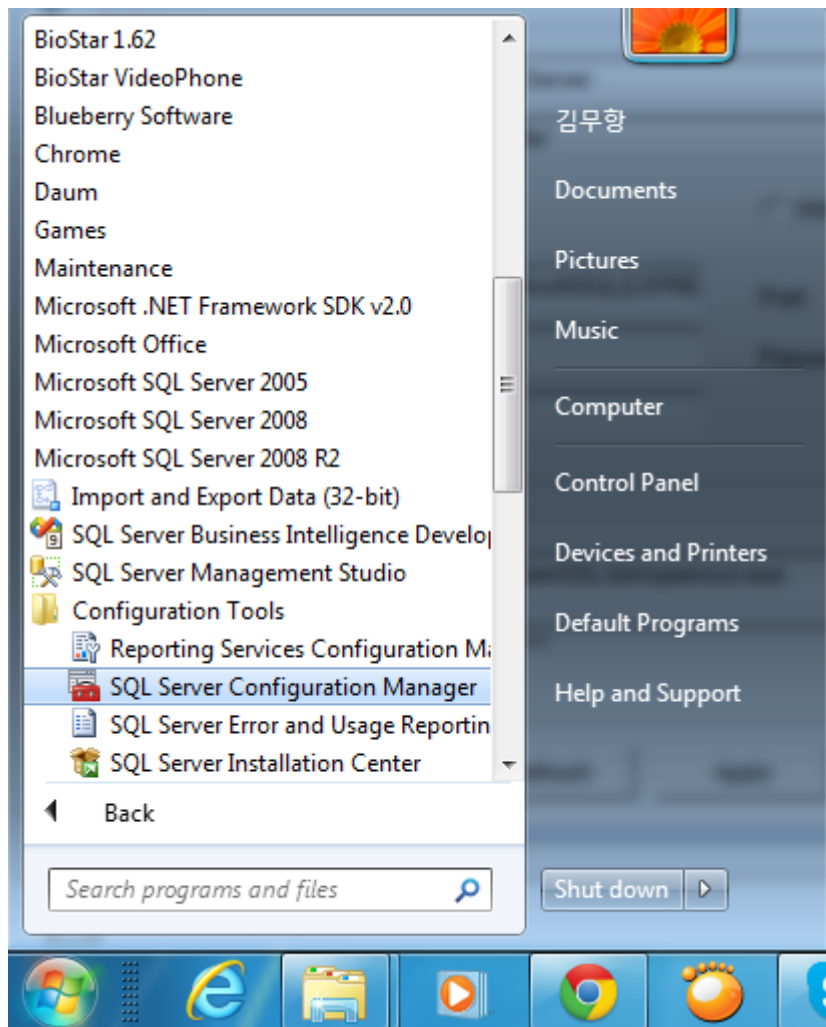
**SSL**

**OpenSSL Path**  **Browse**

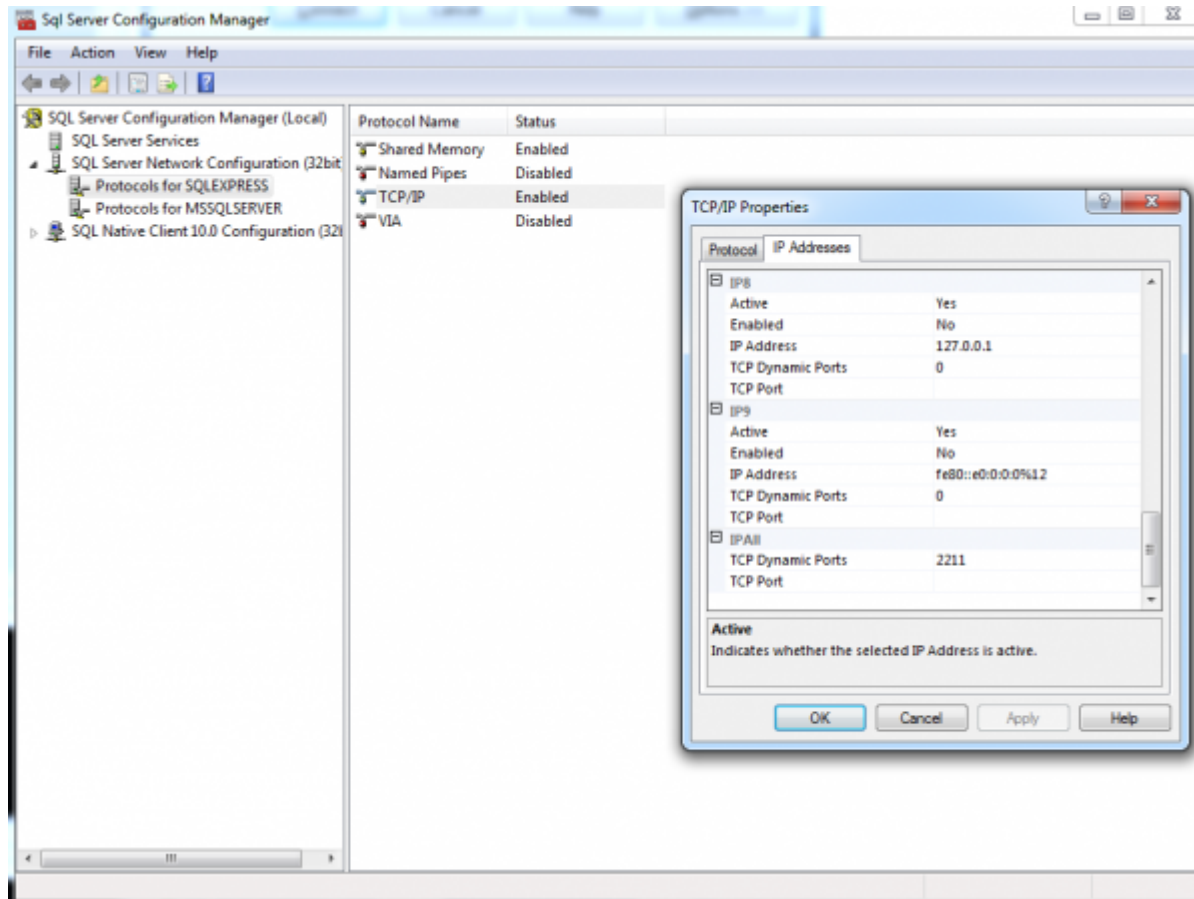
**Pass Phrase**  **Change**

**Refresh** **Apply** **OK** **Cancel**

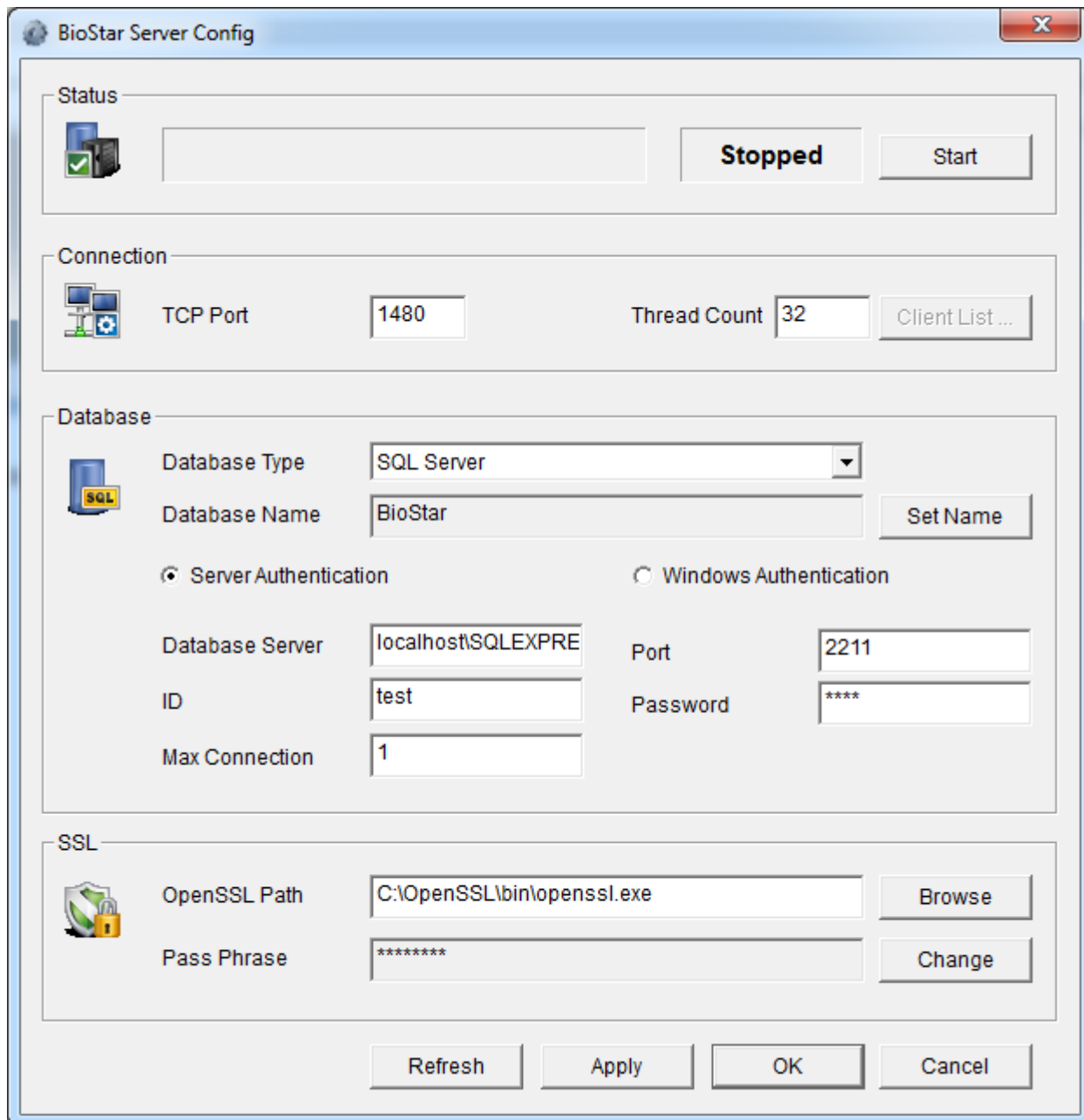
14. Run **SQL Server configuration manager**.



15. Choose **SQL Server Network Configuration** and then **Protocols for SQLEXPRESS**. Then, double-click **TCP/IP**. You can see what number is set to **TCP Dynamic Ports** and type the number in the **Port** field in **BioStar Server Config**.





16. Before clicking Start in BioStar Server Config, make sure that the BSServer.exe process is not running (you can check this on Task Manager). If it's running, please kill the process or stop the service.




The image shows the 'BioStar Server Config' window. It has a title bar with a close button. The window is divided into several sections: 'Status' with a server icon, a green checkmark, and buttons for 'Stopped' and 'Start'; 'Connection' with a network icon, 'TCP Port' (1480), 'Thread Count' (32), and a 'Client List...' button; 'Database' with a database icon, 'Database Type' (SQL Server), 'Database Name' (BioStar), 'Set Name' button, 'Server Authentication' (selected) and 'Windows Authentication' (unselected) radio buttons, 'Database Server' (localhost\SQLEXPRESS), 'Port' (2211), 'ID' (test), 'Password' (\*\*\*\*), and 'Max Connection' (1); and 'SSL' with a lock icon, 'OpenSSL Path' (C:\OpenSSL\bin\openssl.exe), 'Browse' button, 'Pass Phrase' (\*\*\*\*\*), and 'Change' button. At the bottom are 'Refresh', 'Apply', 'OK', and 'Cancel' buttons.

**BioStar Server Config**


**Status**

  **Stopped** **Start**

**Connection**

 **TCP Port**  **Thread Count**  **Client List...**

**Database**

 **Database Type**  **Database Name**  **Set Name**


☒ **Server Authentication** ☐ **Windows Authentication**

**Database Server**  **Port**

**ID**  **Password**

**Max Connection**

**SSL**

 **OpenSSL Path**  **Browse**

**Pass Phrase**  **Change**

**Refresh** **Apply** **OK** **Cancel**

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