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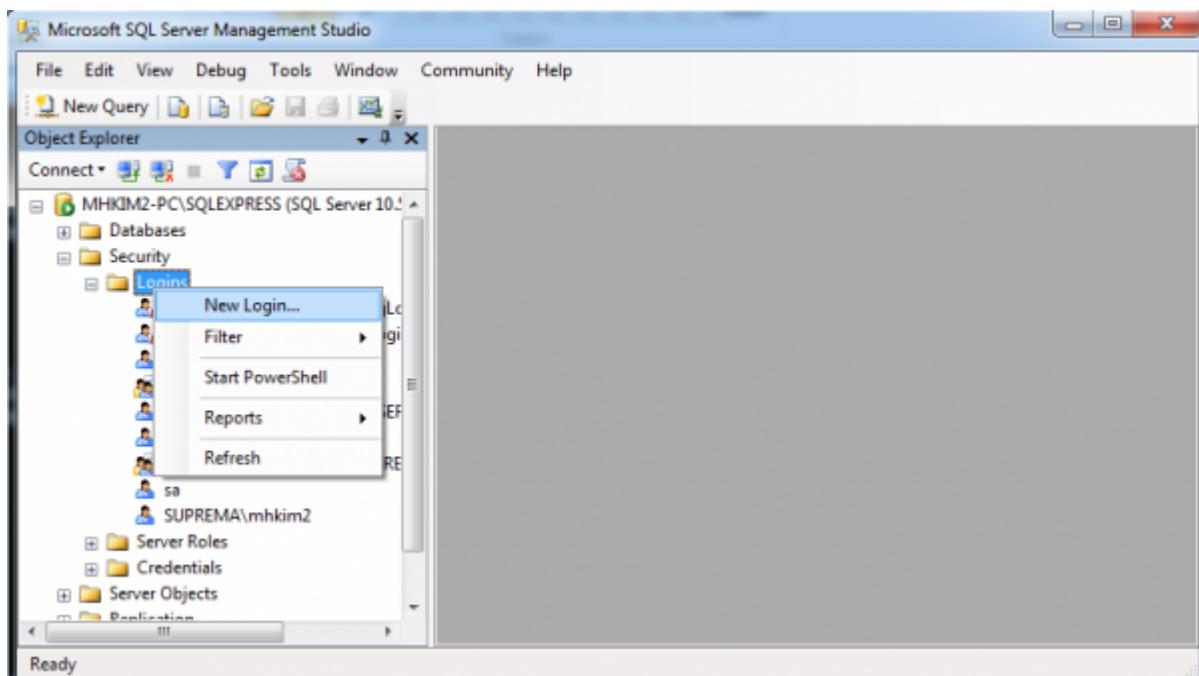
[BioStar 1, MSSQL, SSPI](#)

How to create a SQL server authentication login ID

SQL Server Authentication is a default mechanism to connect to MS SQL Server, but there are times that you need to use SQL Server Authentication to connect to the server, like when you have to connect to a MS SQL Server Database on a different network or when you have a SSPI problem. In order to use SQL Server Authentication, you need to create a SQL Server Authentication Login ID first.

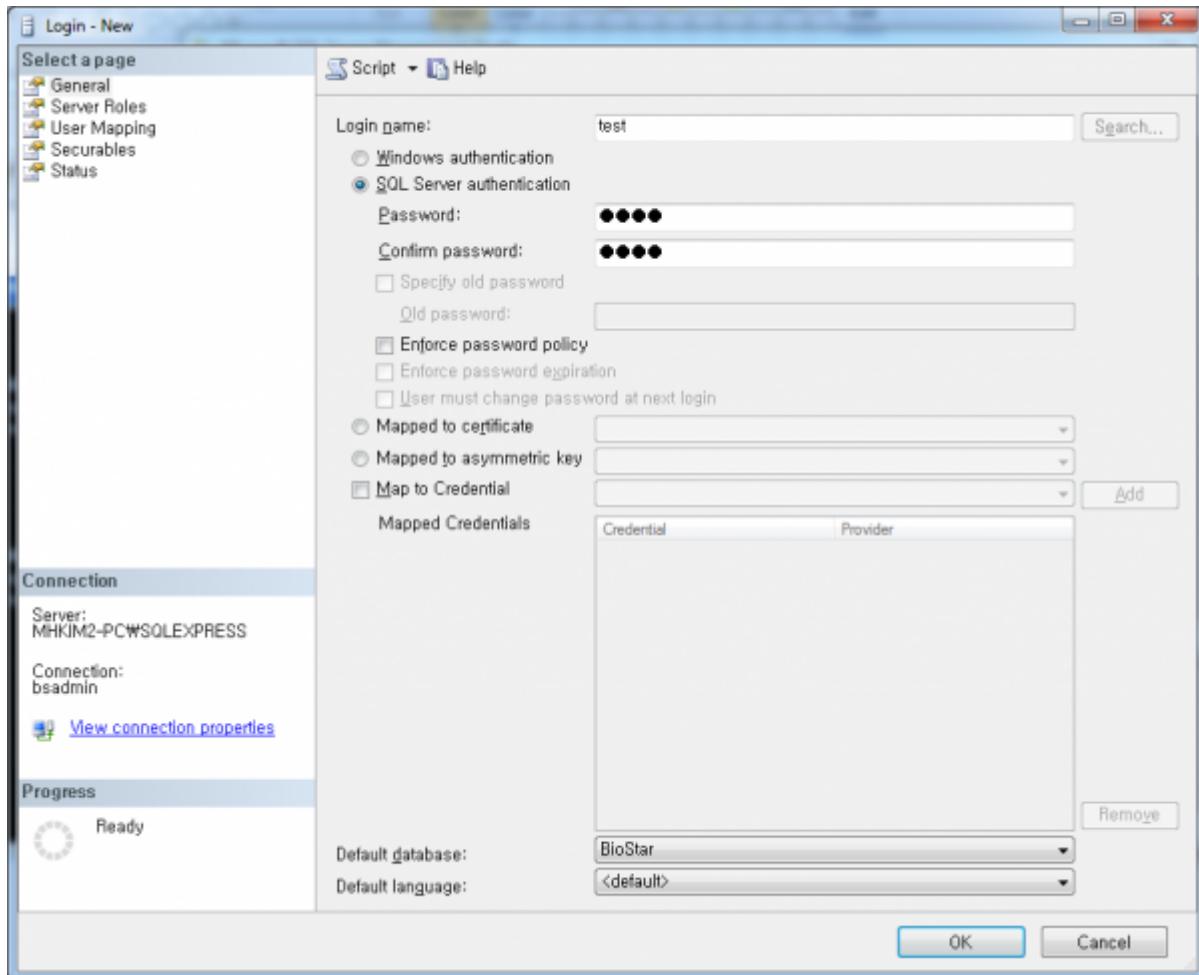
First of all, we will create a new SQL Server account.

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

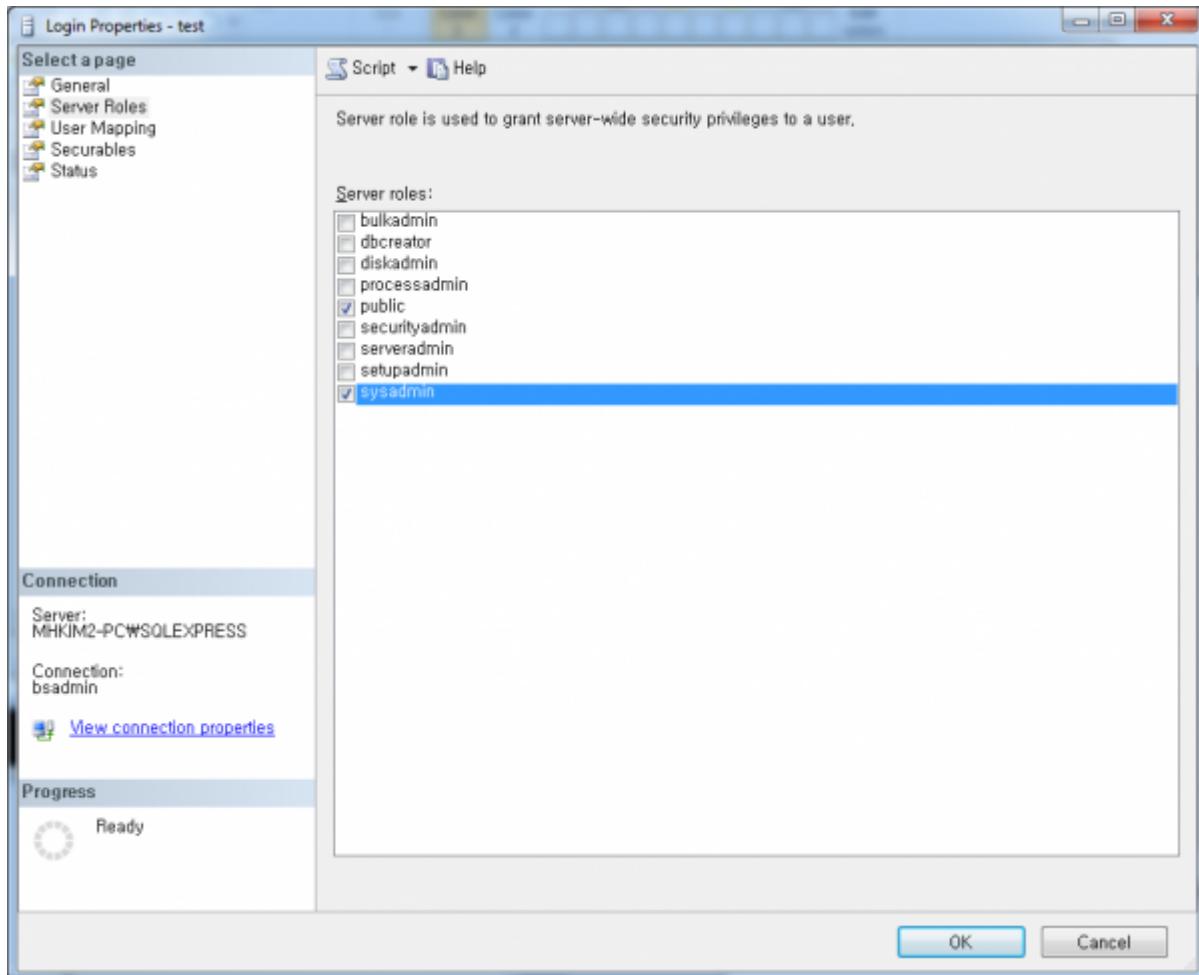


3. Enter an account name in the **Login name** field and choose **SQL Server authentication**. Then, enter a password for the account.
4. Uncheck the following options to set the password as you want:
 - Enforce password policy
 - Enforce password expiration
 - User must change password at next login

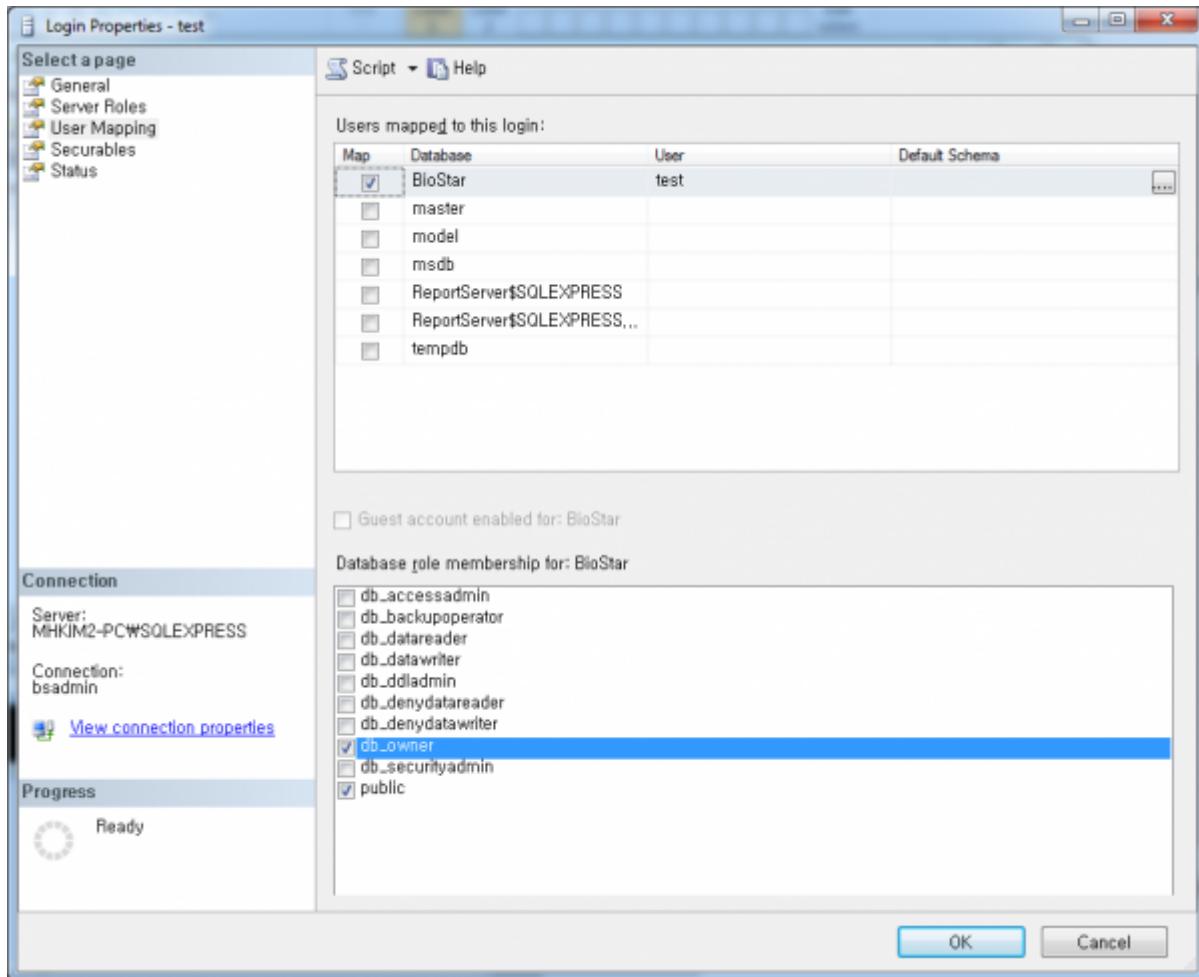
If the options are checked, you should the password according to security policy in Windows.
5. Choose **BioStar** from the **Default database** drop-down list.



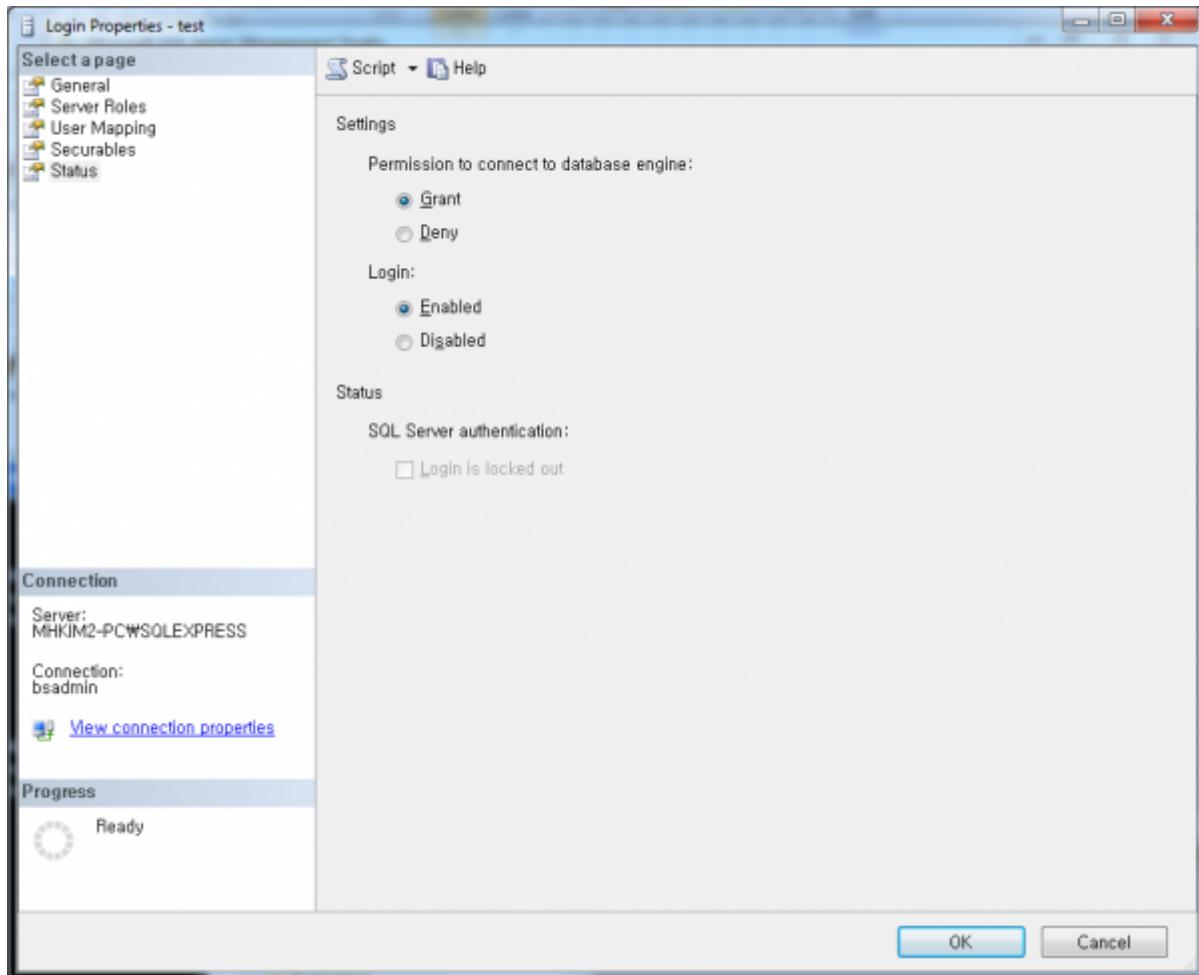
6. Go to the **Server Roles** page and select **sysadmin**.



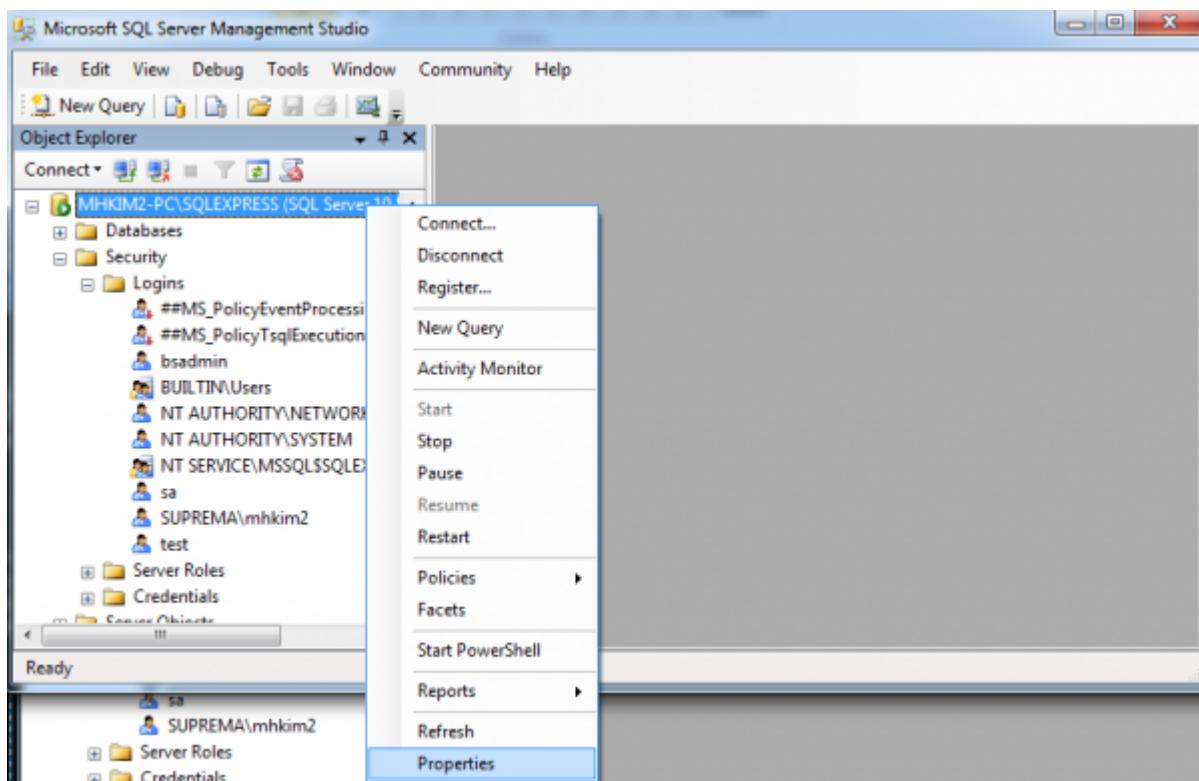
7. Go to the **User Mapping** page and choose **BioStar** and **db_owner**.



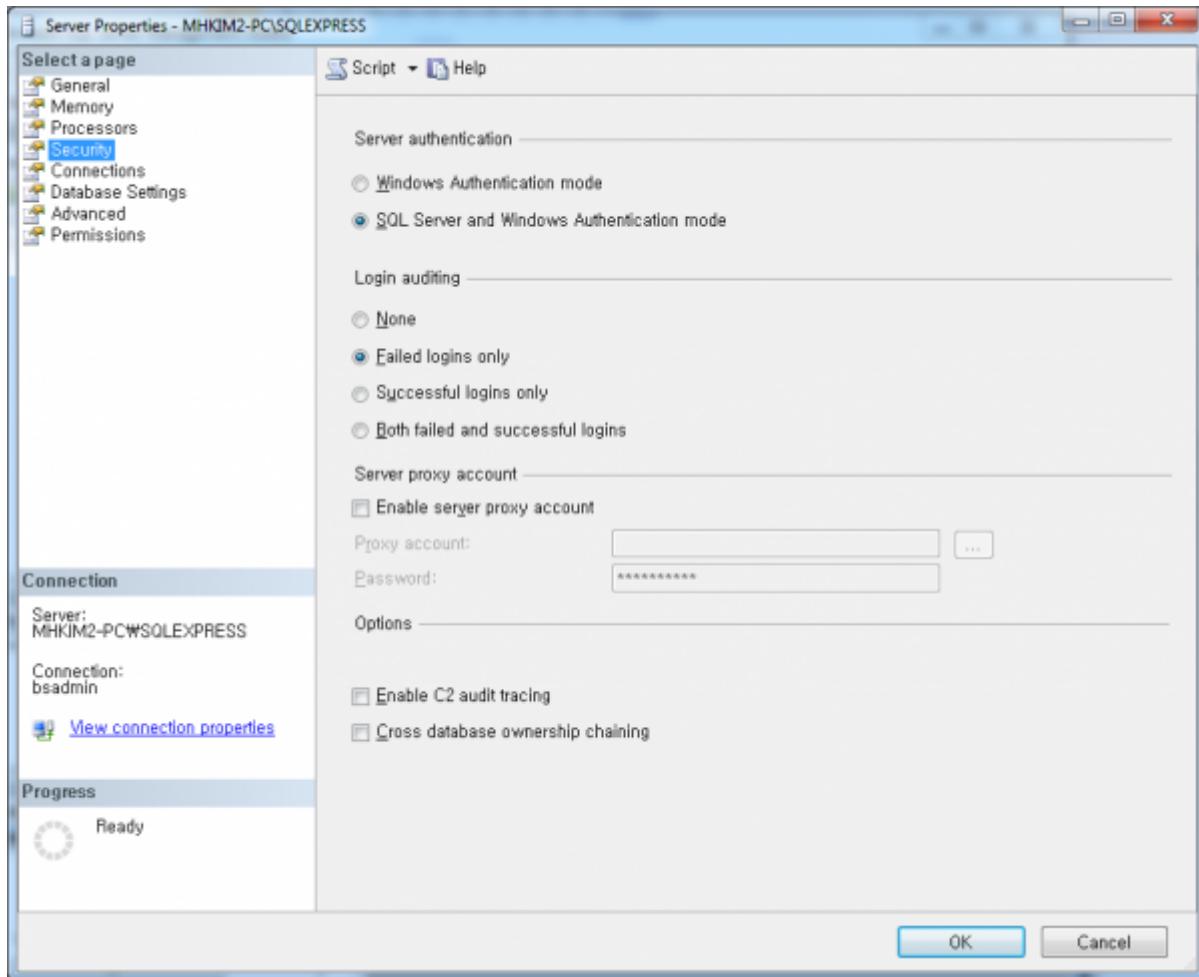
8. Go to the **Status** page and set **Permission to connect to database engine** to **Grant** and **Login** to **Enabled**.



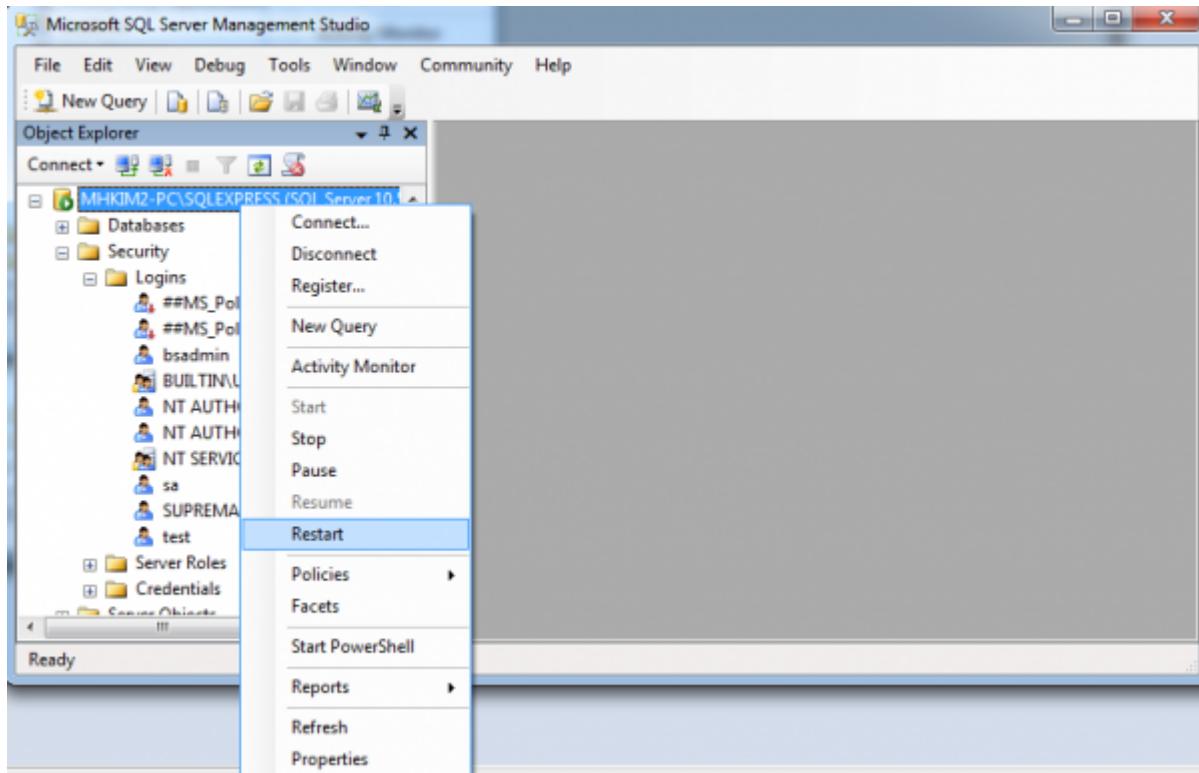
9. Right-click the database server in **Object Explorer** and choose **Properties**.

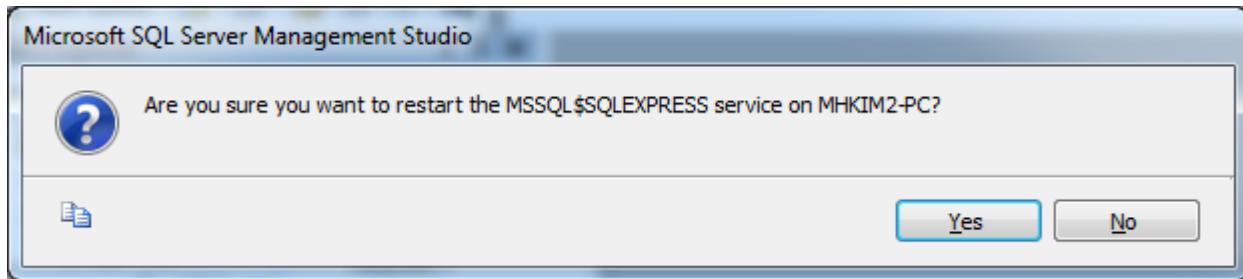


10. Go to the **Security** page and choose **SQL Server and Windows Authentication mode**.

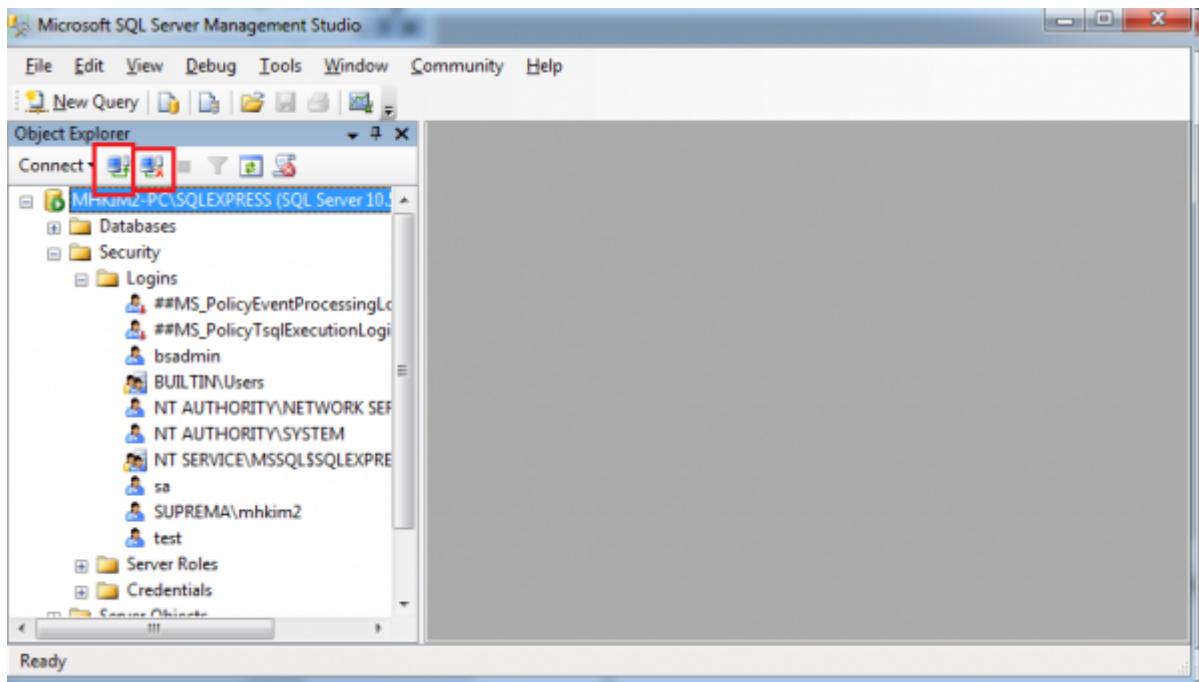


11. Right-click the database server and restart it. When a message box shows up, click **YES**.

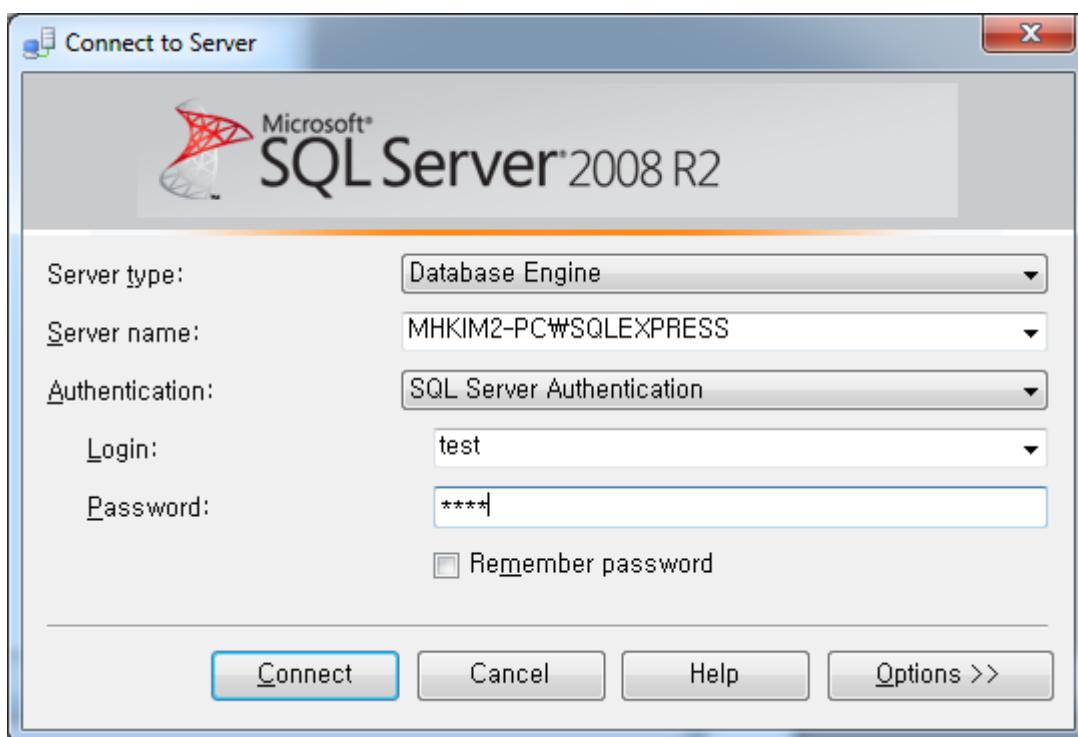




12. Disconnect the database server in **Object Explorer** and reconnect to it using the ID you've just created.

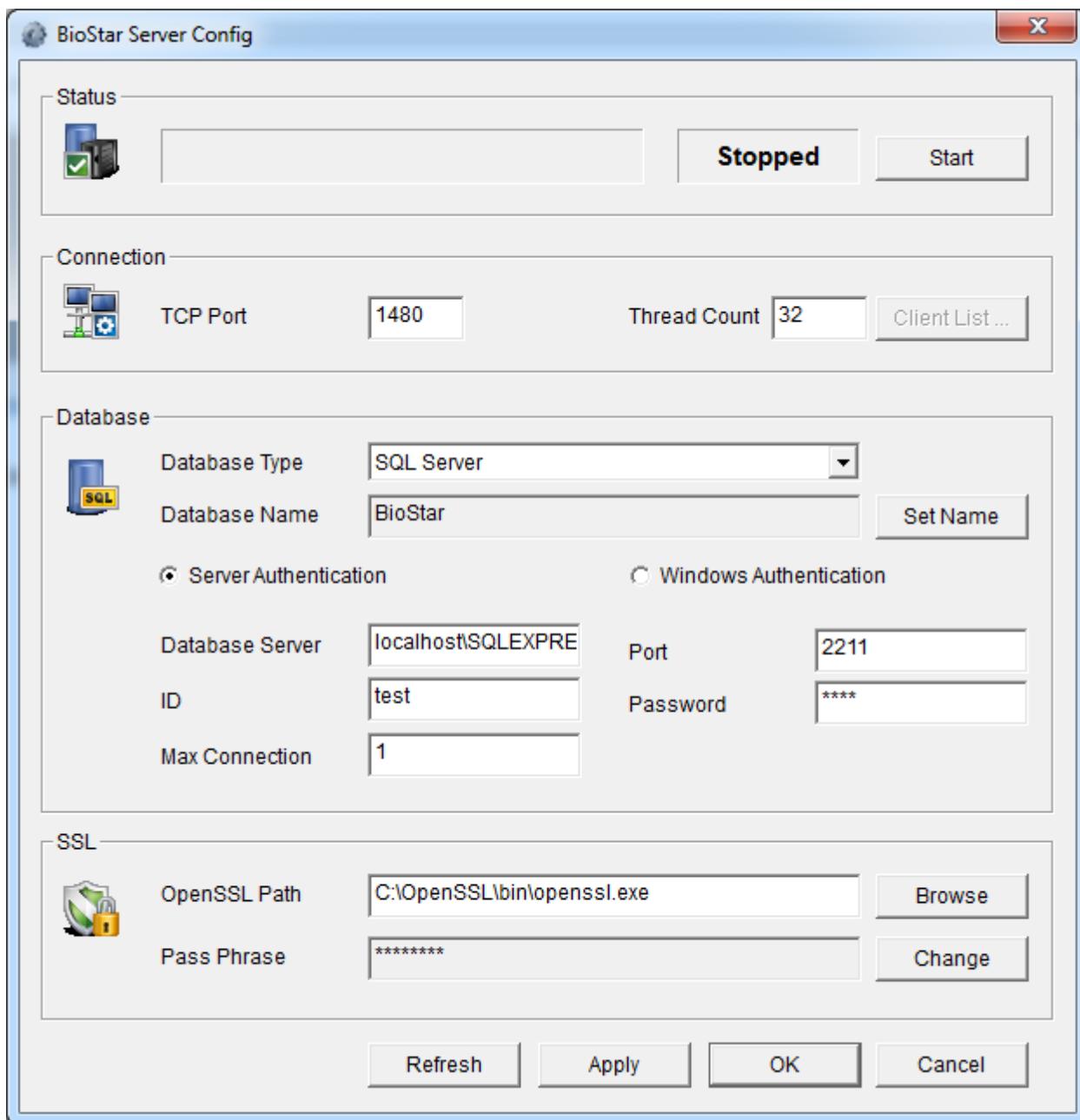


13. Choose **SQL Server Authentication** from the **Authentication** drop-down list and enter the ID and password. Then, click **Connect**.

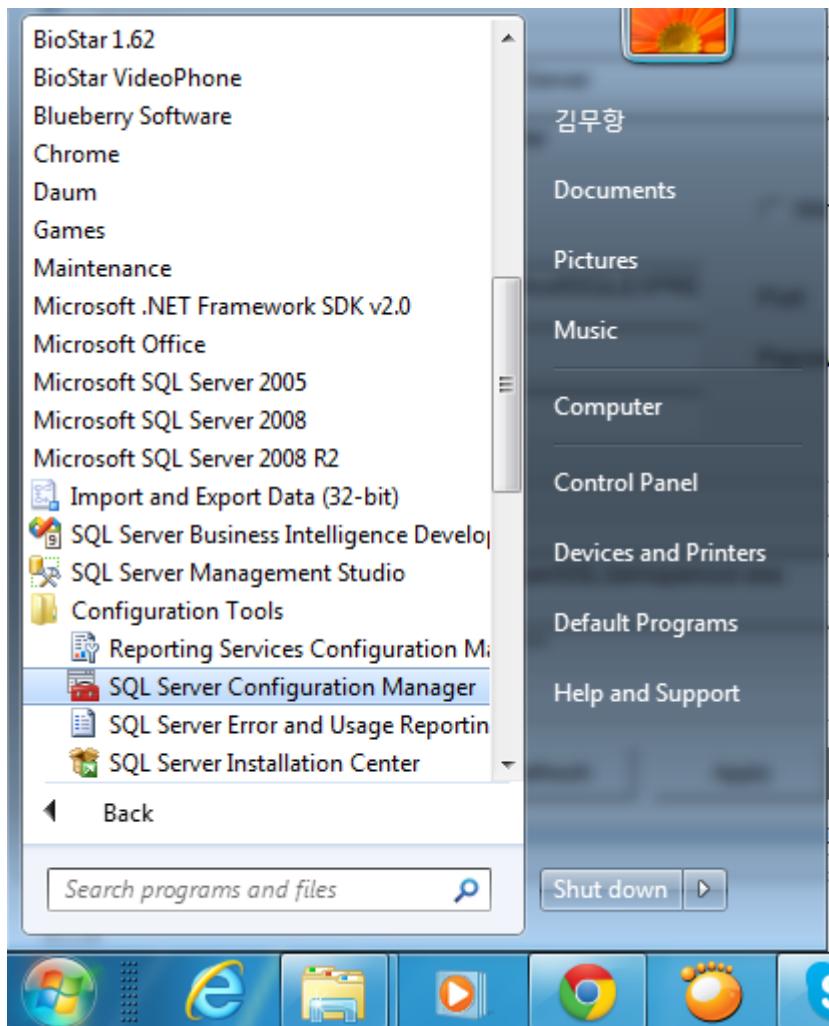


14. If you succeed to connect to the database server, the account is successfully created. Run **BioStar Server Config**.

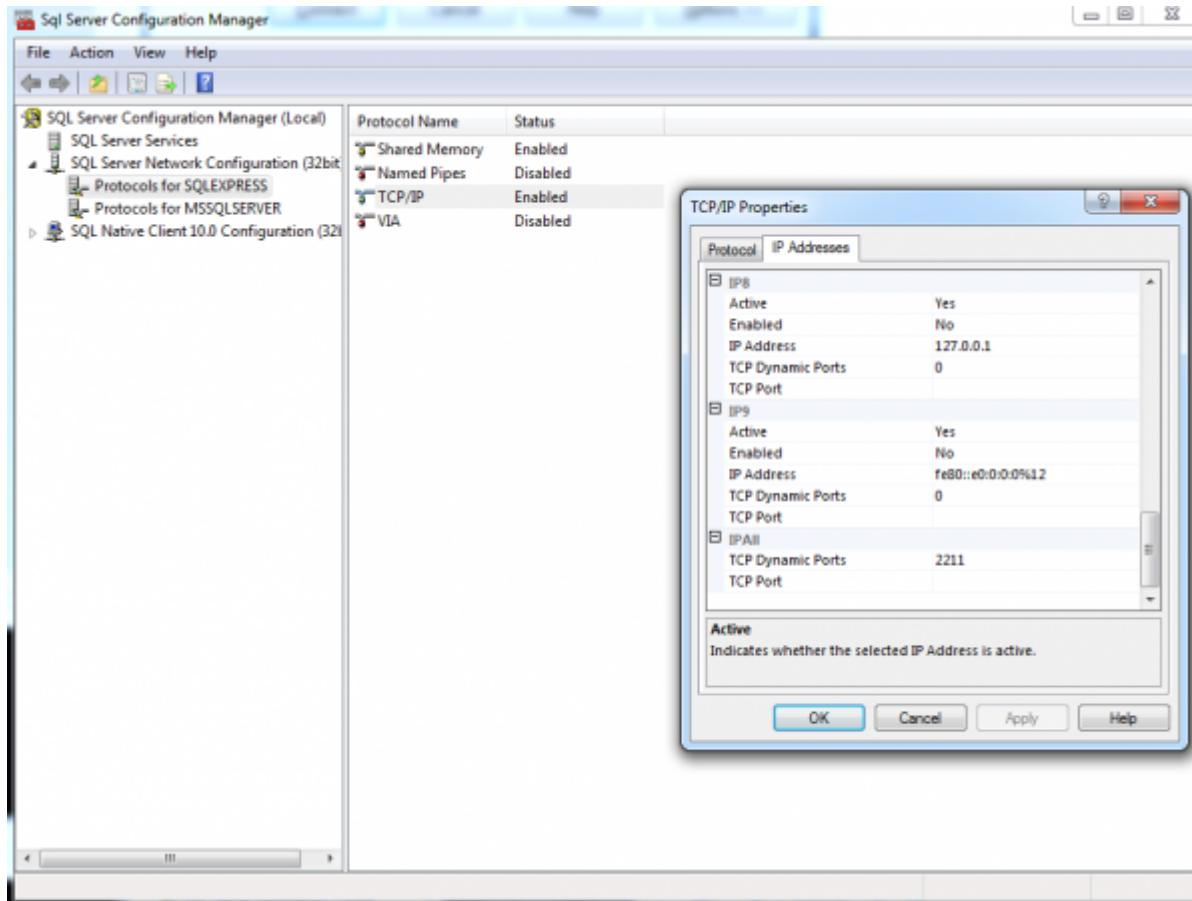
15. Choose **Server Authentication** and enter the ID and password. Before clicking **Start**, we should check if the port specified here matches the port of MS SQL Database Server.



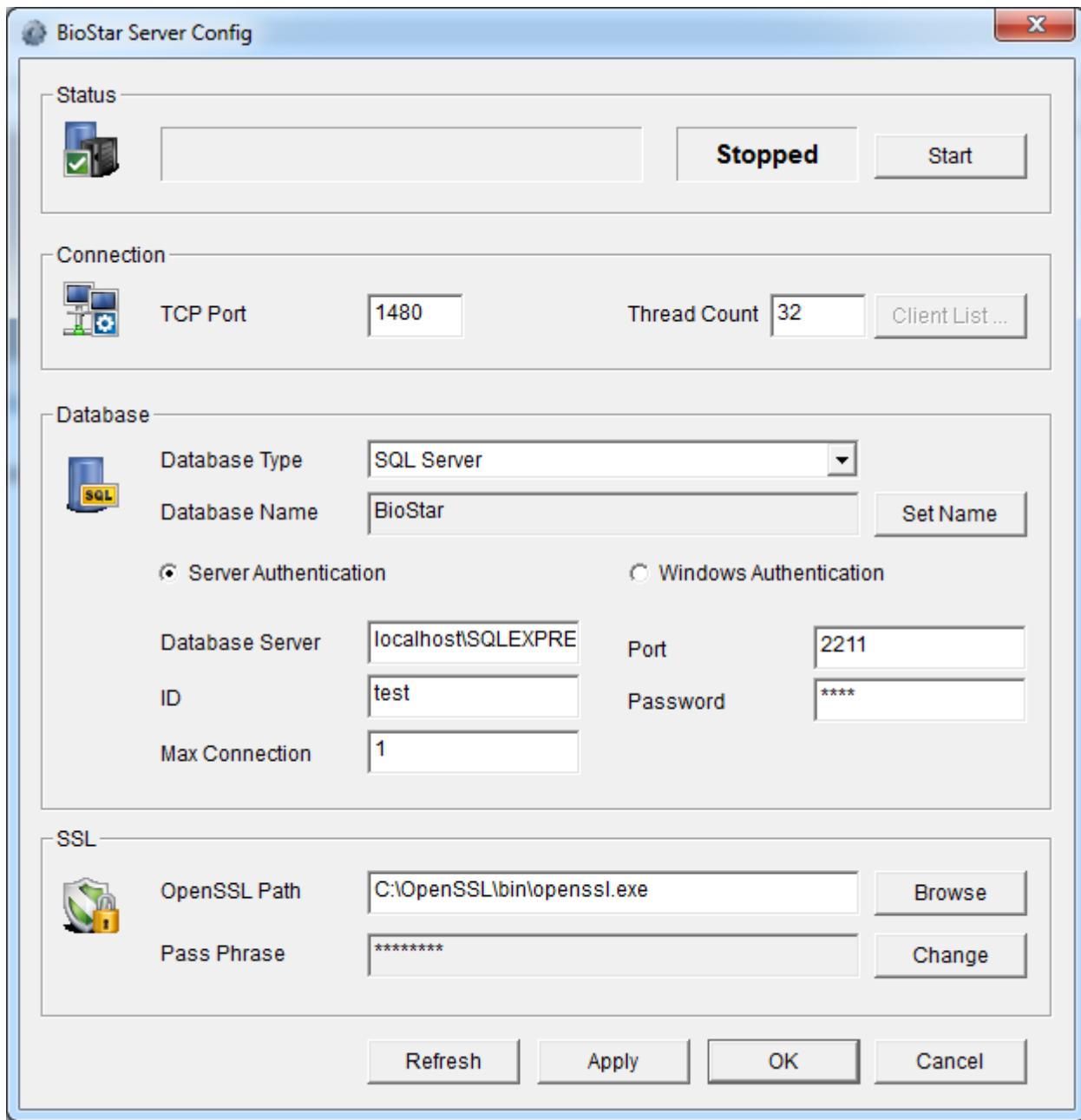
16. Run **SQL Server configuration manager**.



17. 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**.



18. 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.



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