

## Title

How to connect SQL data base through scripting in InTouch

## Summary

How to connect SQL data base through scripting in InTouch

PRODUCTS:{1}

1. InTouch [Wonderware]

## Article

### How to connect SQL database using InTouch scripting

#### SOLUTION

To connect SQL database through scripting we require ConnectString to mention in script. Complete the following steps to generate the ConnectString script.

1. Create one text file at desktop on the node where SQL is already installed.
2. Rename it from .txt to .udl
3. Now it will convert to Microsoft Data link file.

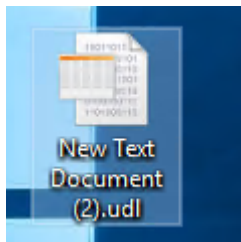
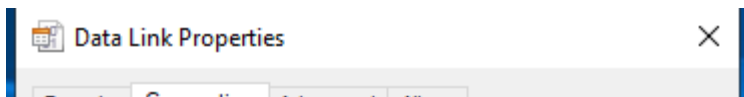


Figure 1: Desktop .udl file

1. Open that file and provide the required data, then click OK.



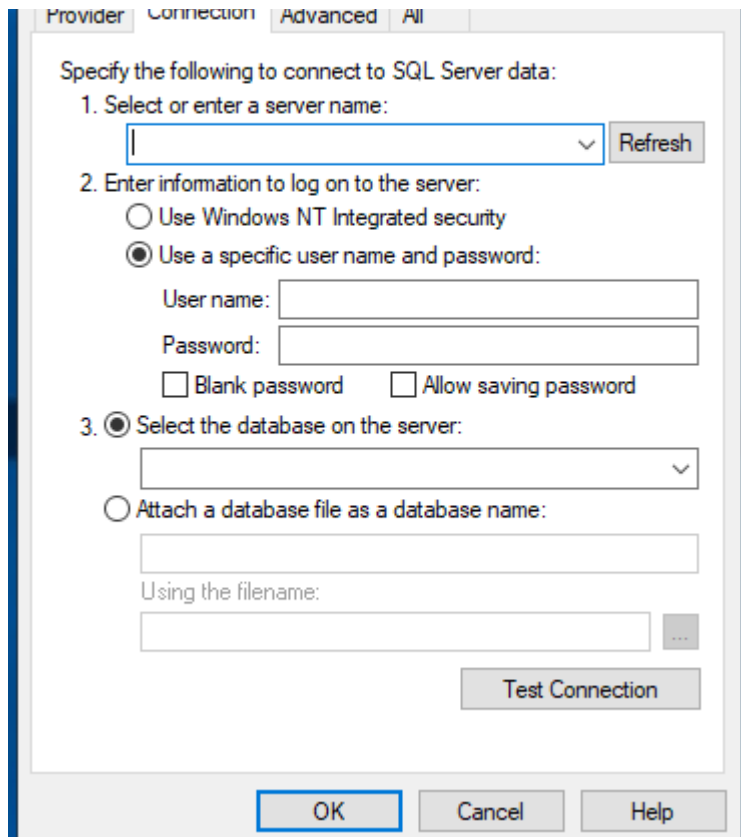
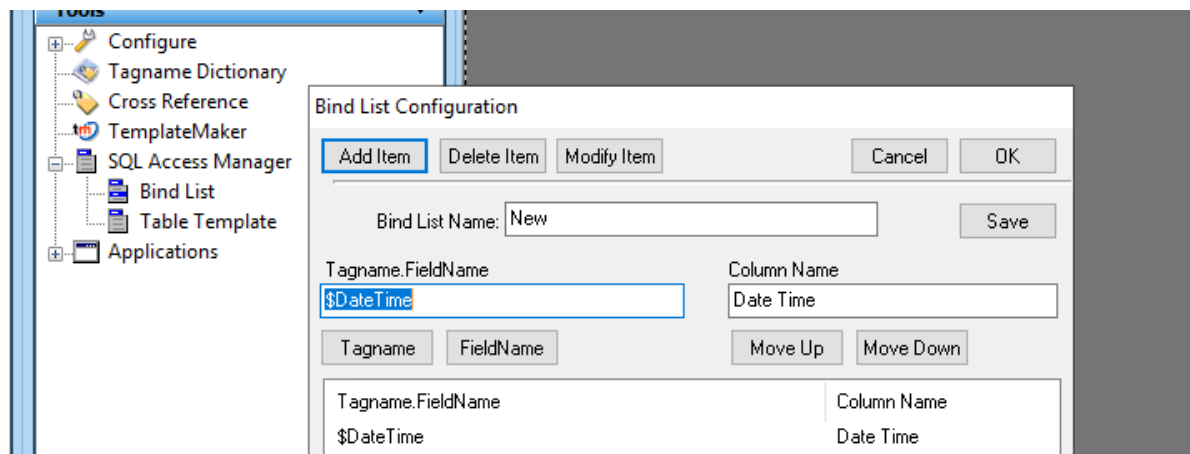


Figure 2: Data link Connection properties

1. Right-click on same file and open it in Notepad to see the connection string. This string is your ConnectString.
2. Now an InTouch bind list. Doing this will create the required SQL.def file in your Applications folder.



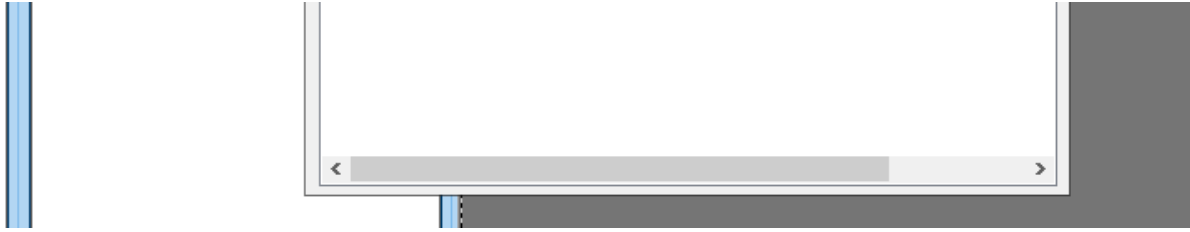


Figure 3: Bind list

1. Save the configuration.
2. Create the following Application script and define necessary tags.
3. Run the script to check SQL database connection. In this script replace ConnectString with your ConnectString.

```
ConnectString ="Provider=SQLOLEDB.1;Persist Security Info=True;User ID=User; Password=12345;Initial Catalog=master;Data Source=
ResultCode = SQLConnect(ConnectionId,ConnectString);
IF ResultCode ==0 THEN
    LogMessage("Connection Succeeded ");
ELSE IF ResultCode<0 THEN
    LogMessage("Error while connecting SQL");
ENDIF;
ENDIF;
```

1. Check the connection results in the SMC logger.

## ADDITIONAL INFORMATION

### Connection String Detail:

- User Id: Username you used while connecting SSMS (SQL Server Management Studio).
- Password: Password of that particular user.
- Initial Catalog: SQL Database to which you want to connect.
- Data Source: Server name on which SQL server is installed and running.

### References

- [Testing Microsoft SQL Connection Using Universal Data Link](#)
- [Testing the MES Database Connection](#)

[This is a link to the Original Article](#)