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How to use SQL CE client to connect to SQL server?

Appli	es to:		
	Platform	OS version	WinPAC/ViewPAC utility version
	WP-8x3x/ XP-8x4x	All versions	All versions
	WP-5000	All versions	All versions
	VP-23W1/ VP-25W1	All versions	All versions
	VP-4131	All versions	All versions
,			

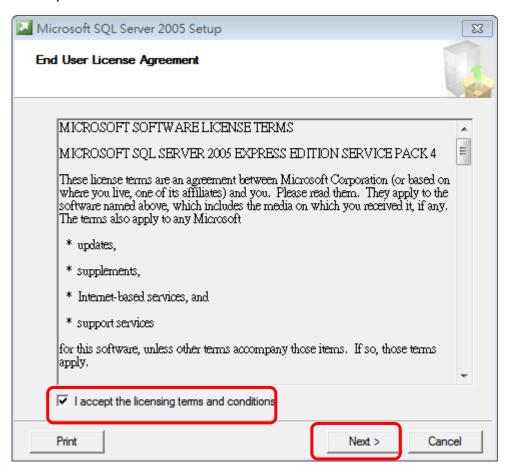
We take 2 file "SQL Server 2005 Express Edition" and "SQL Server Management Studio Express" for example, you also use other edition.

- 1. SQL Server 2005 Express Edition Service Pack 4 (SQLEXPR.EXE) (http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=26435597-b28e-4568-9d16-017bdf47abdc)
- 2. SQL Server Management Studio Express Service Pack 4 (SQLServer2005_SSMSEE.msi) (http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=76ea83da-4797-4f11-a834-456ee9dc3764)

[Install Software]

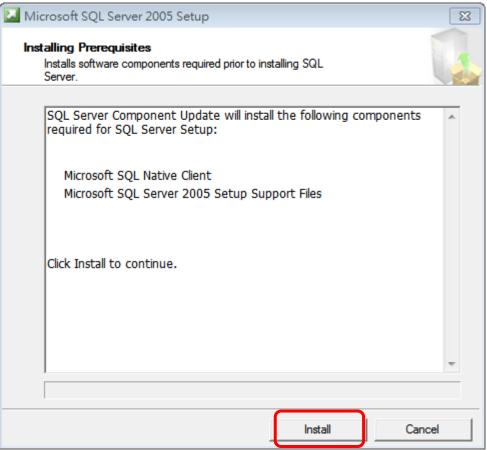
STEP 1: Install SQL Server 2005 Express Edition

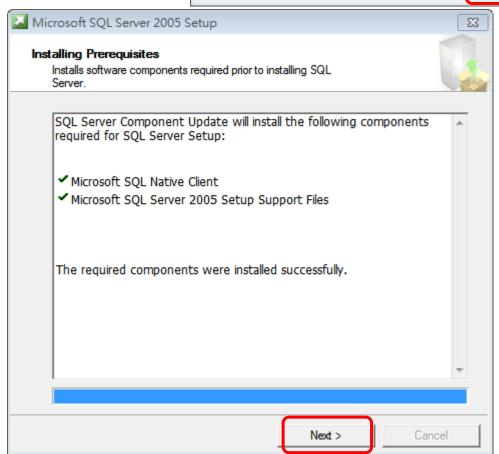
There are two places need to be adjusted.



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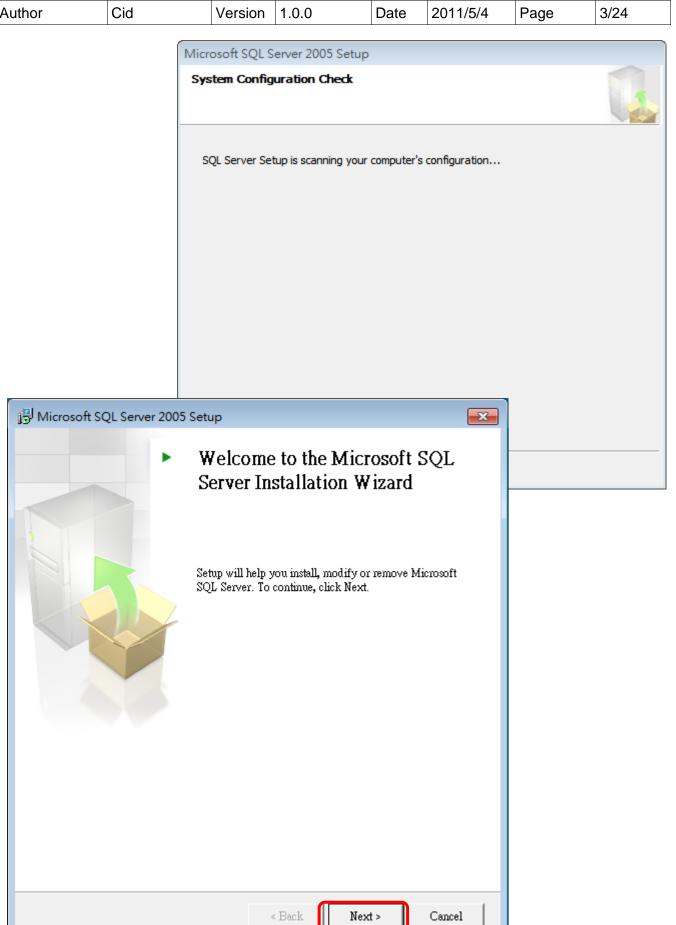
Classification	System and Ap	No.	5-004-00				
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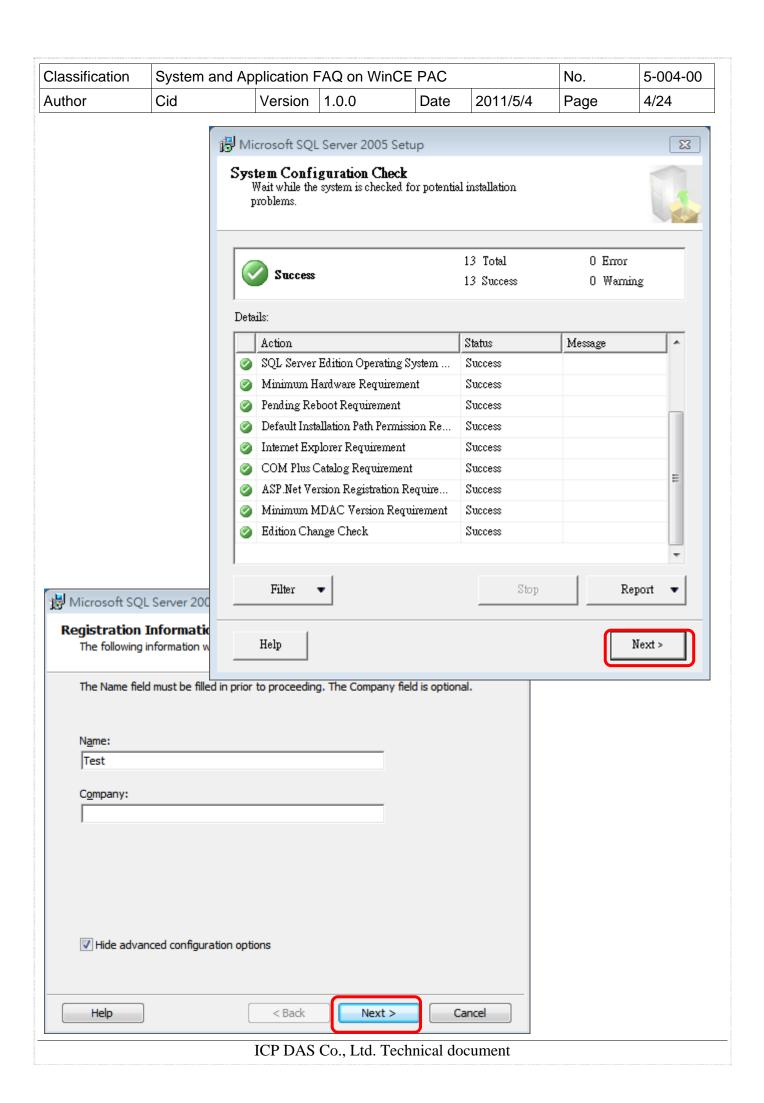


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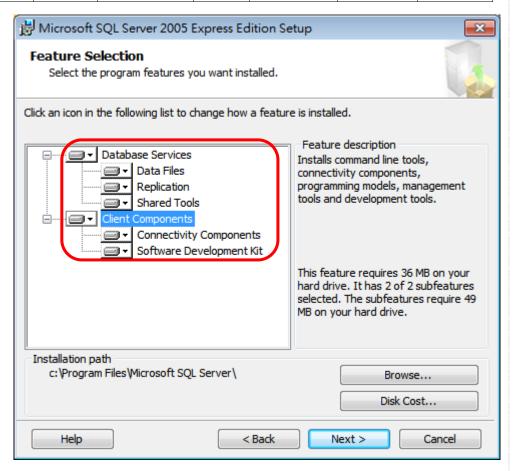


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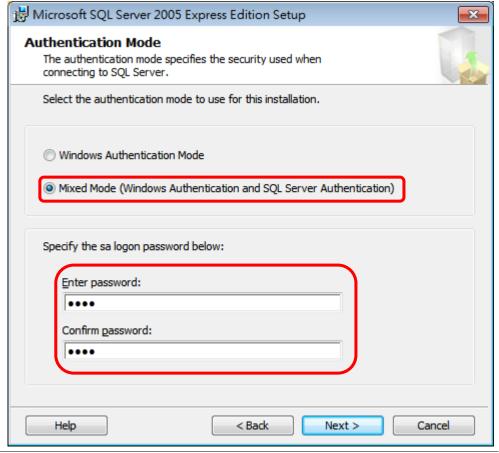


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STEP 1.1: Select all components for Install.

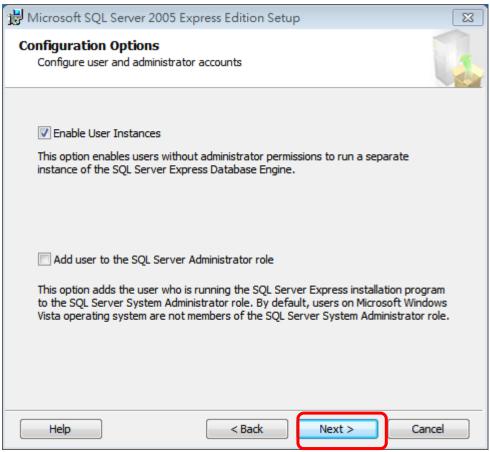


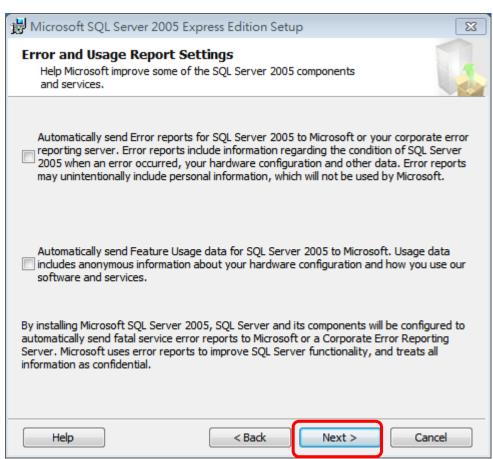
STEP 1.2: Choose "Mixed mode" and set the password. Please remember the password which will be used in the following steps.



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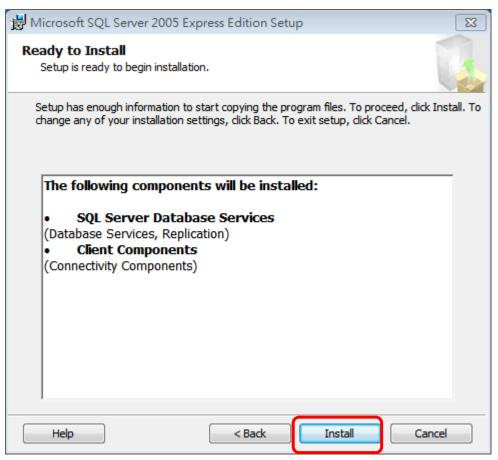
Classification	System and Application FAQ on WinCE PAC						5-004-00
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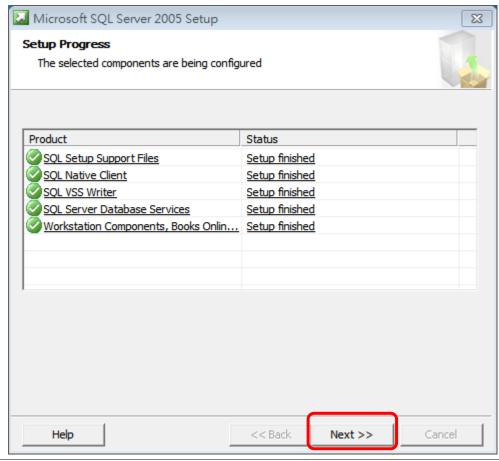




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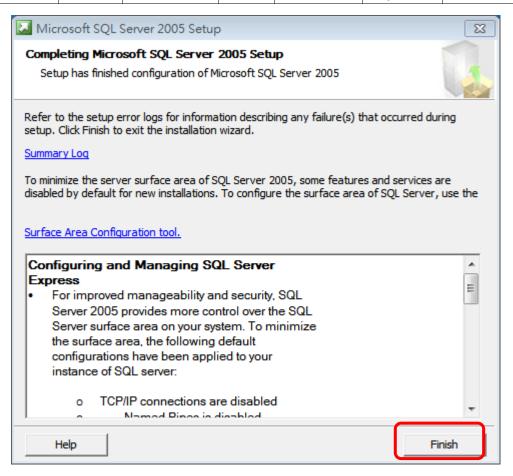
Classification	System and Ap	System and Application FAQ on WinCE PAC					
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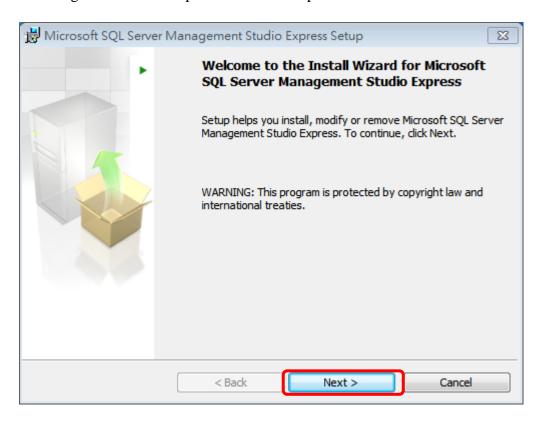


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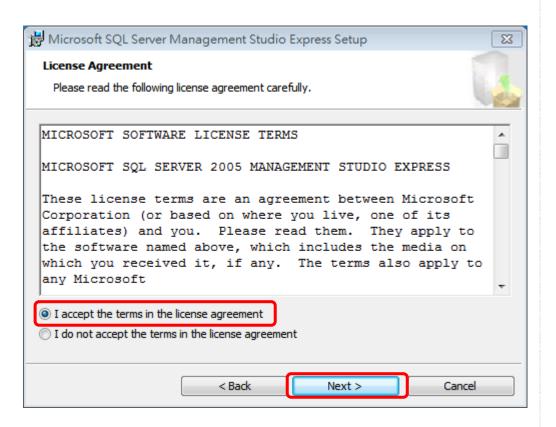


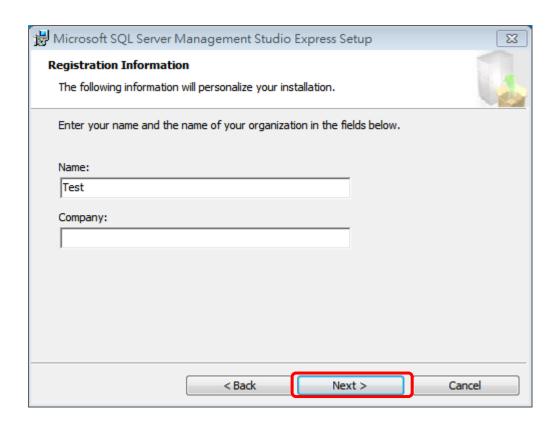
STEP 2: Install SQL Server Management Studio Express with the Setup Wizard



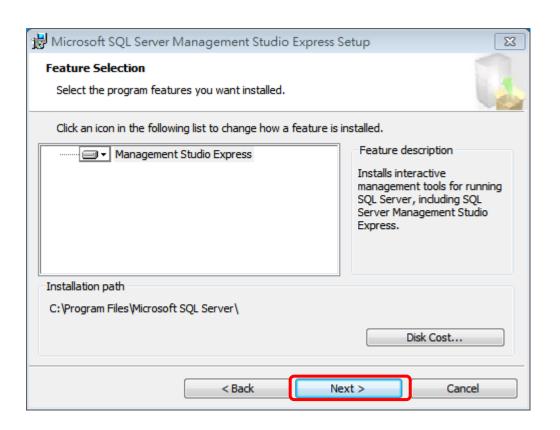
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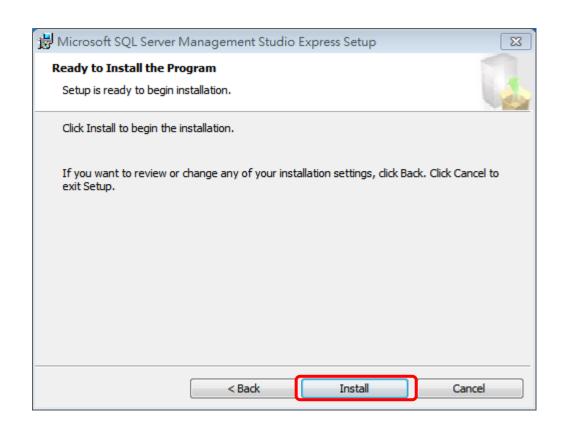
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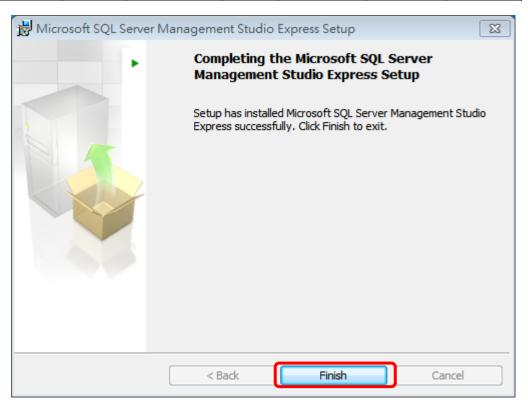
Classification	System and Application FAQ on WinCE PAC						5-004-00
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[Config SQL Server]

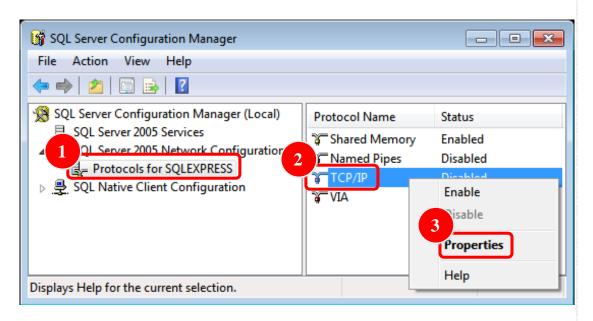
STEP 3: Execute "SQL Server Configuration Manager"

STEP 3.1: Enter "Content" to set

Part 1: Select "Potocols for SQLEXPRESS"

Part 2: Select "TCP/IP"

Part 3: Click "Content" to set



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STEP 3.2: Select "Yes" for "Enabled" at tab "Protocol"

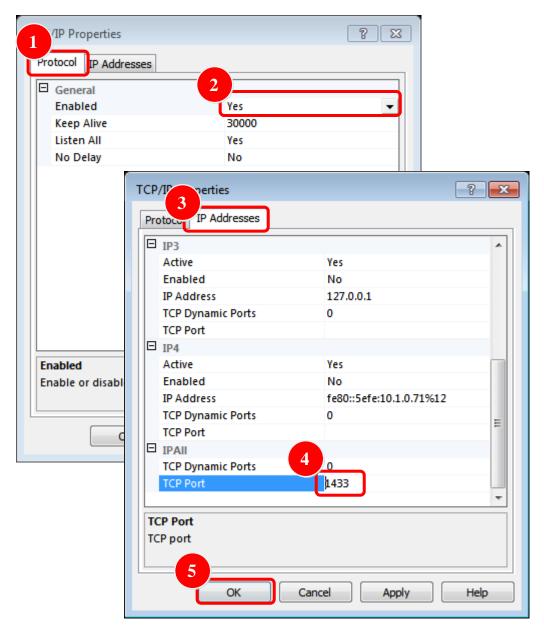
Part 1: Select tab "Protocol"

Part 2: Choose the "Enable" to "Yes"

Part 3: Select tab "IP Addresses"

Part 4: Modify the "TCP Port" to 1433

Part 5: Click button "OK"



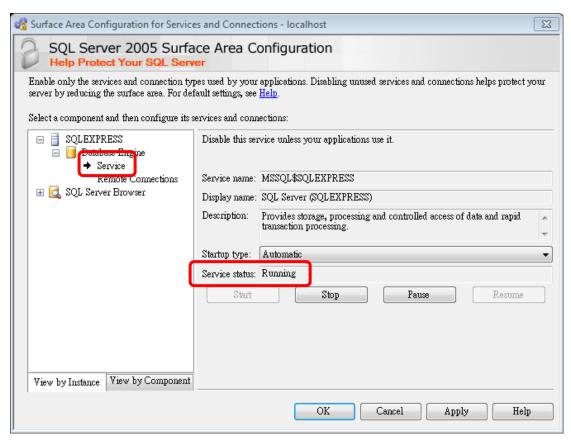
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STEP 4: Execute "SQL Server Surface Area Configuration" and Choose "Surface Area Configuration for Service and Connections"

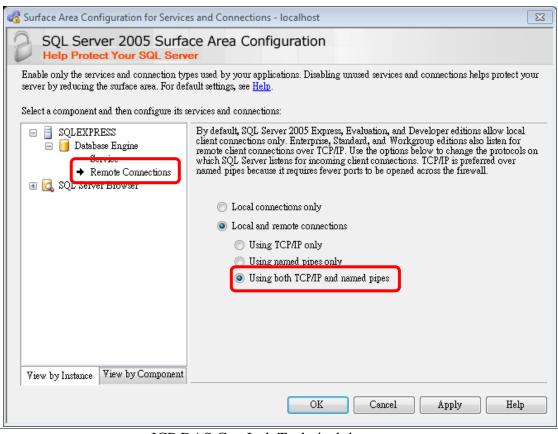


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STEP 4.1: Check the "Service status" is "Running"



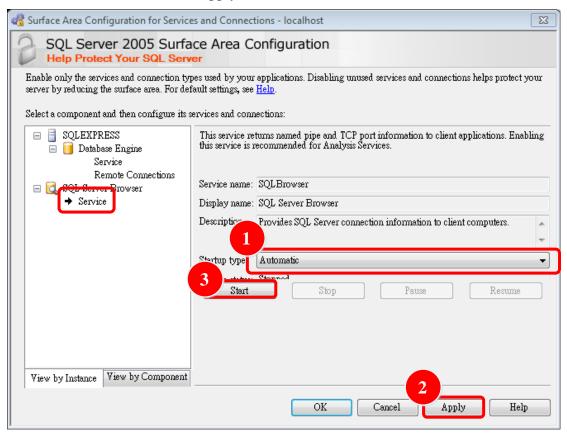
STEP 4.2: Choose the "Using both TCP/IP and named pipes"



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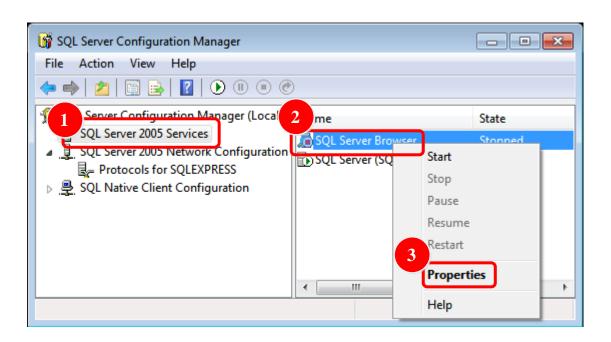
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STEP 4.3: Set "Automatic" → Press "Apply" → Press "Start"



STEP 5: Execute "SQL Server Configuration Manager"

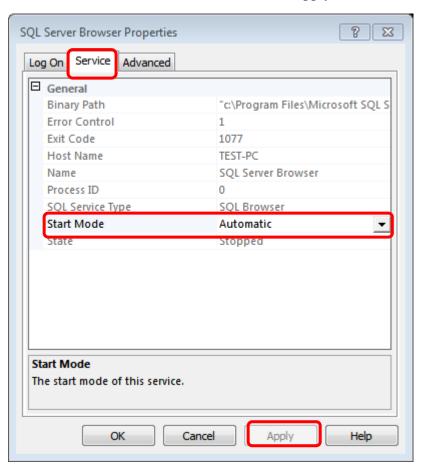
STEP 5.1: SQL Server 2005 Services → SQL Server Brower → "Content"



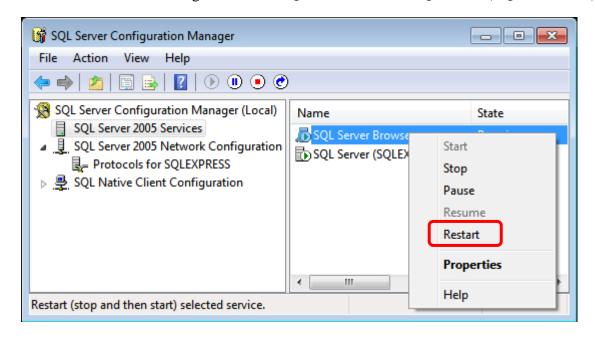
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STEP 5.2: Service → Set "Start Mode" to Automatic → Press "Apply" button



STEP 5.2: Restart to refresh the configurations for SQL Server Brower/SQL Server(SQLEXPRESS).



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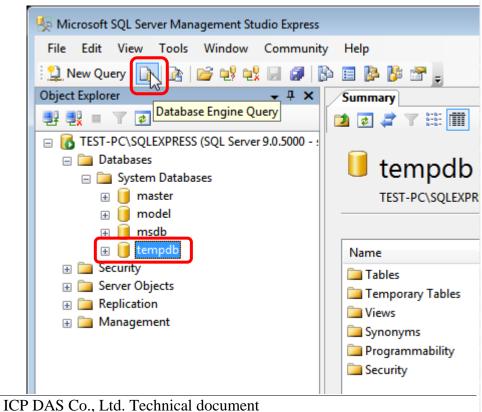
[Create Database]

STEP 6: Execute "SQL Server Management Studio Express"

STEP 6.1: The Login "sa" is administer, and enter the password that is set in Step 1.2

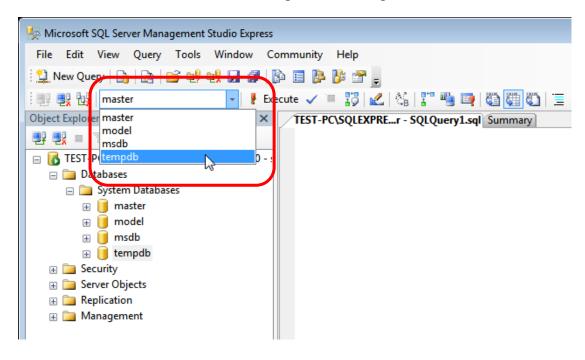


STEP 6.2: Click "Database Engine Query" on "SQL Server Management Studio Express" And then you have to login again.



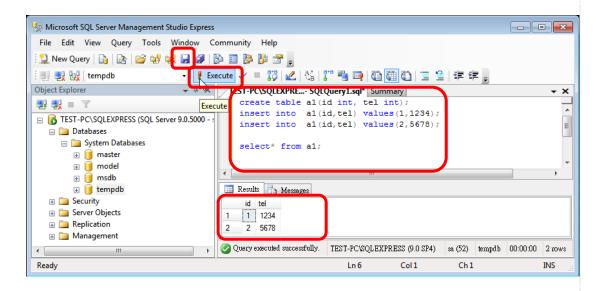
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STEP 6.3: Select a database to build table. The example select "tempdb" database.



STEP 6.3: Write the following codes and press "Execute" button. Then, save it.

```
create table al(id int, tel int);
insert into al(id,tel) values(1,1234);
insert into al(id,tel) values(2,5678);
select* from al;
```



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[Close firewall on your PC]

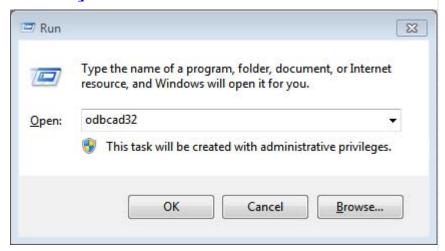
You have to close SQL server's firewall at control panel.

If you don't close the firewall, the other device will connect fail when them client this SQL server.

[Enable SQL Server by ODBC]

STEP 7.1:

Start→Run →enter"odbcad32"



STEP 7.2: Add System DSN

Part 1: Select tab "System DSN"

Part 2: Click button

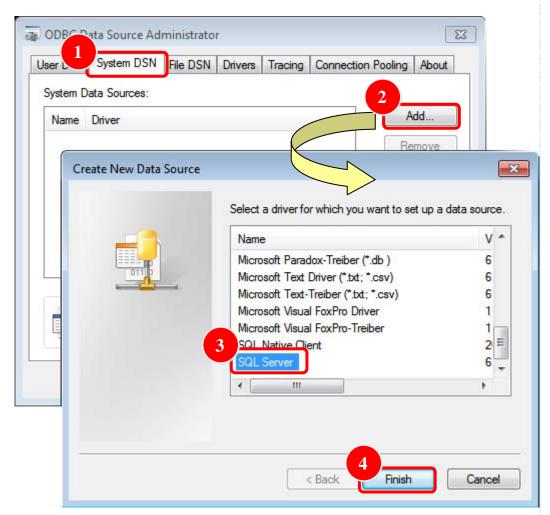
"Add..."

Part 3: Select list "SQL

Server"

Part 4: Click button

"Finish"



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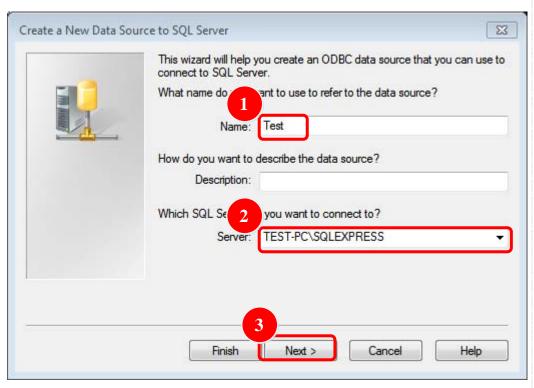
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There are two places need to be adjusted.

STEP 7.3: Create a New Data Source to SQL Server

Part 1: Modify the name by yourself

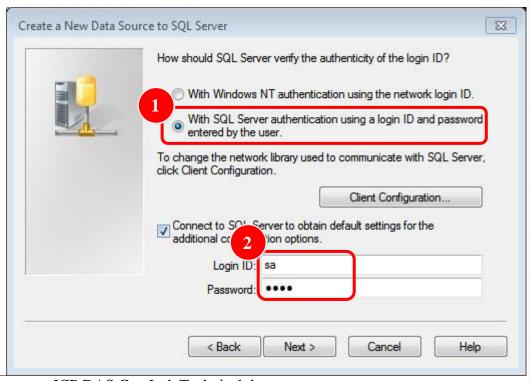
Part 2: Click ComboBox to select the data on this PC



STEP 7.3: Select login mode

Part 1: Choose second radiobox

Part 2: The login code must be "sa". Input a password that is set in Step1.



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[Modify the SqlSrRemote demo to connect remote SQL server]

```
[C#]
Modify IP, database name, ID, password
    string strConn = "server=10.1.0.56\sqlexpress;database=tempdb;user id=sa;password=1234;";
Connect target SQL
    SqlConnection connRemote = new SqlConnection(strConn);
    connRemote.Open();
Select* from a1
    strSql = "select* from a1";
    sqlCmd.Connection = connRemote;
    sqlCmd.CommandText = strSql;
    sqlReader = sqlCmd.ExecuteReader();
Create tabe and display the from
    dTable = new DataTable("a1");
    dTable.Columns.Add("id", typeof(int));
    dTable.Columns.Add("tel", typeof(int));
    while (sqlReader.Read())
         dRow = dTable.NewRow();
         dRow["id"] = sqlReader["id"];
         dRow["tel"] = sqlReader["tel"];
         dTable.Rows.Add(dRow);
         dbCount += 1;
    }
    dataGrid1.DataSource = dTable:
    label5.Text = "Number: " + dbCount;
    sqlCmd.Dispose();
    sqlReader.Close();
Standard command program
    string strSql = null;
    SqlCommand sqlCmd = new SqlCommand();
    SqlDataReader sqlReader = default(SqlDataReader);
    strSql = "You want execute SQL command";
    sqlCmd.Connection = connRemote;
    sqlCmd.CommandText = strSql;
    sqlReader = sqlCmd.ExecuteReader();
    sqlCmd.Dispose();
    sqlReader.Close();
```

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[VB.net]

```
Modify IP, database name, ID, password
```

```
Dim strConn As String = " server=10.1.0.56\sqlexpress;database=tempdb;user id=sa;password=1234;"
```

Connect target SQL

```
Dim connRemote As New SqlConnection (strConn) connRemote.Open()
```

Select* from a1

```
strSql = "select* from a1"
sqlCmd.Connection = connRemote
sqlCmd.CommandText = strSql
sqlReader = sqlCmd.ExecuteReader()
```

Create tabe and display the from

```
dTable = New DataTable ("a1")
dTable.Columns.Add("id", GetType(Integer))
dTable.Columns.Add(""tel", GetType(Integer))

While sqlReader.Read()dRow = dTable.NewRow();
    dbCount += 1;
    dRow = dTable.NewRow()
    dRow("id") = sqlReader("id")
    dRow("tel") = sqlReader("tel")
    dTable.Rows.Add(dRow)
    dbCount += 1

End While

dataGrid1.DataSource = dTable
label5.Text = "Number: " + dbCount
sqlCmd.Dispose()
```

Standard command program

sqlReader.Close()

```
Dim strSql As String = Nothing
Dim sqlCmd As New SqlCommand()
Dim sqlReader As SqlDataReader = Nothing
strSql = "You want execute SQL command"
sqlCmd.Connection = connRemote
sqlCmd.CommandText = strSql
sqlReader = sqlCmd.ExecuteReader()
sqlCmd.Dispose()
sqlReader.Close()
```

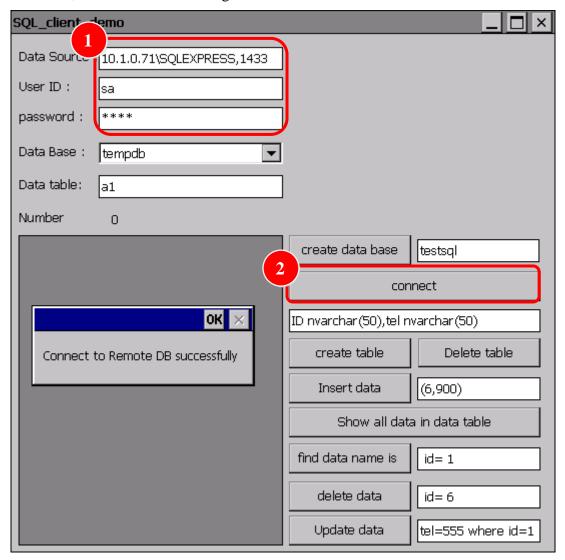
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[Demo Program]

STEP 1: Enter the target server, user id, password

Part 1: Enter the target server(If PC has firewall, enter the port number ,1433), database user id, password

Part 2: Click button "connect", it will show the message box if it connect success



STEP 2: Select ComboBox "Data Base" for CREATE, SELECT, INSERT, DELETE, etc.

Button information for this example, and the red string user can be change.

Create data base: "CREATE DATABASE testsql"

Create table: "CREATE TABLE a1(ID nvarchar(50),tel nvarchar(50))"

Delete table: "DROP TABLE a1"

Insert data: "Insert Into a1 Values (6,900)"
Show all data in data table: "Select * from a1"
Find data name is: "Select * from a1 where id= 1"

Delete data: "delete from **a1** where **id=6**"

Update data: "Update a1 set tel=555 where id=1"

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Revision History

Revision	Date	Description
1.0.1	2013/05/06	NEW: Added support information for WP-5000 and VP-4131.
1.0.0	2010/04/22	Initial release