

**How-to Guide  
SAP EPM**



# **How To Enable the BPC 7.0M Management Console**

**Version 1.02 – December 2008**

**Applicable Releases:  
SAP BPC 7.0 M (SP1,SP2)**

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# 1 Scenario

During the installation of BPC 7.0 for Microsoft, you will have the option of implementing the Web based Management Console. The instructions in the UPGRADE guide start on page 22. I have taken these instructions and added pictorial comments around the process for all to utilize during their install or upgrade process.

## 2 Introduction

The instructions listed below are the actual text from the Upgrade guide. I have taken the text and amended it with comments and pictures to assist in the process.

### 3.5.7 Enable Management Console

In order to run the new Management Console feature, change Authentication and access control of the ManagementConsole virtual directory in IIS from Integrated Windows authentication to BasicAuthentication. You can find the virtual directory in the Application server. The option can be found in IIS on the Directory Security tab of the virtual directory property.

1. In order to view the log in the Management Console, enable the ODBC log IIS website.
  - a) Configure SQL Server for mixed authentication mode:
    - A) Access the context menu of the server name in Management Studio.
    - B) On the Security tab, select the SQL Server and Windows Authentication mode radio button.
  - b) Create an SQL login for IIS.
    - A) In the context menu of the *Security Logins* icon, choose *New Login*.
    - B) Create a login name and select *SQL Server authentication*.
    - C) Enter the password and set the default database to *AppServer*.
    - D) On the *User Mapping* tab, give the user access to *AppServer* and make it a DBO.
    - E) Set the *db\_owner* role.
  - c) In IIS Manager of the Application server, in the context menu of the website which is installed on BPC 7 M, choose *Properties*.
    - A) On the *Web Site* tab, select *ODBC Logging* from the *Active Log* format field.
    - B) Choose *Properties*.
  - d) Check the user ID and password of the system DSN that was created by the installation package.
    - A) *DSN name* is **BPC\_ManagementDSN**.
    - B) *Table* is **BPCLog**.
    - C) Enter the *Username* and *Password* for the SQL user you created earlier in this procedure.
    - D) Choose *OK*.
  - e) Run the ODBC Data Source Administrator.
    - A) On the *System DSN* tab, choose *Configure*.
    - B) In the *Microsoft SQL Server DSN Configuration* dialog box, ensure that the correct server is selected. Enter data as required and choose *Next*.
    - C) In the *Microsoft SQL Server DSN Configuration* dialog box:
      - Select *With SQL Server authentication using a login ID and password entered by the user*.

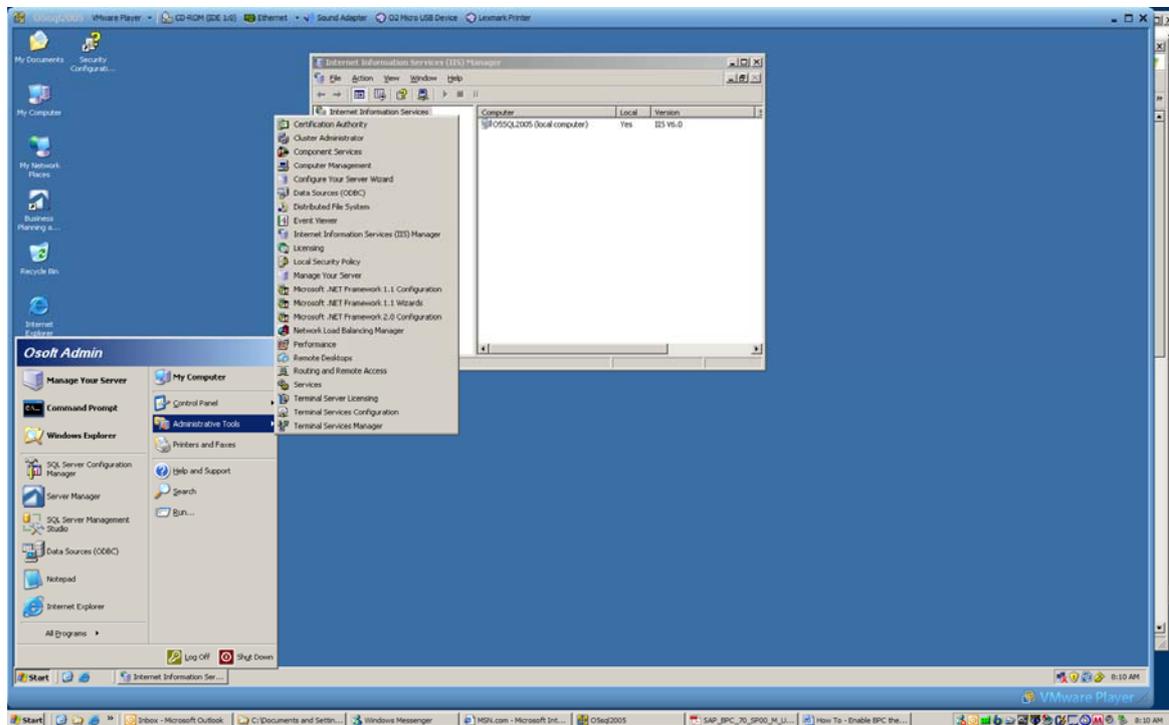
- Enter the *Username* and *Password* for the SQL user you created earlier in this procedure.
- Choose *Next*.

D) In the *Microsoft SQL Server DSN Configuration* dialog box, verify the information that appears and choose *Next*.

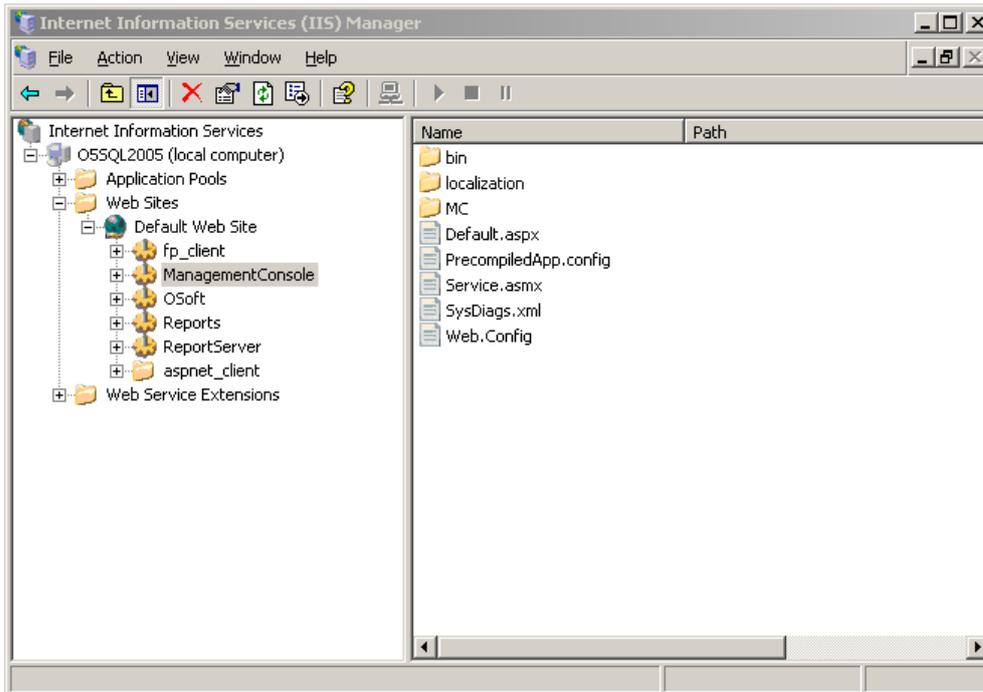
E) Choose *Finish*.

### Step by Step Picture Guide:

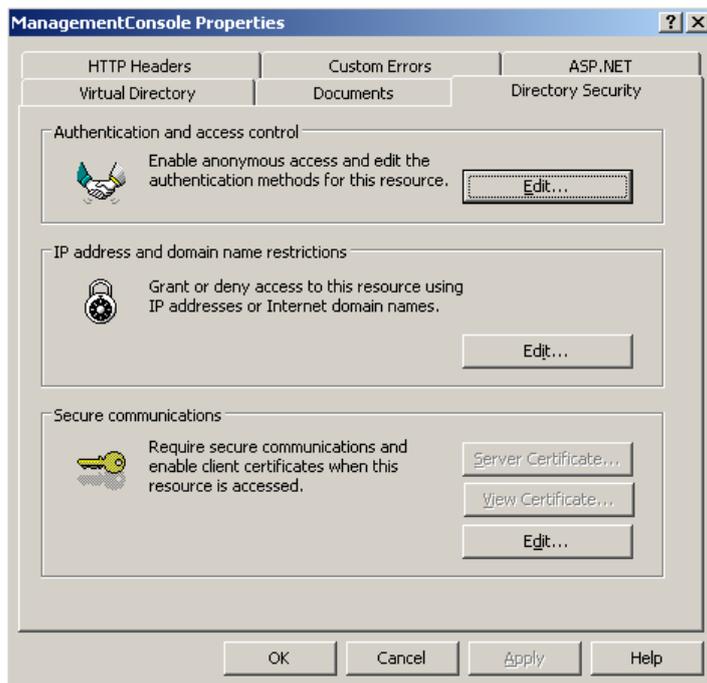
The opening paragraph does not list any specific steps, but there are tasks that need to be performed prior to starting step 1. First you need to open the IIS Management Console, found under the “Start, Administrative Tools” selection path as shown below:



Proceed to the ManagementConsole Virtual Directory under the Default Web Site selection, under the Web Sites folder. Right-Click to show the properties of the selection.



The properties should look similar to the image below, however the screen may open on a different tab. Just “click” on the “Directory Security” tab.



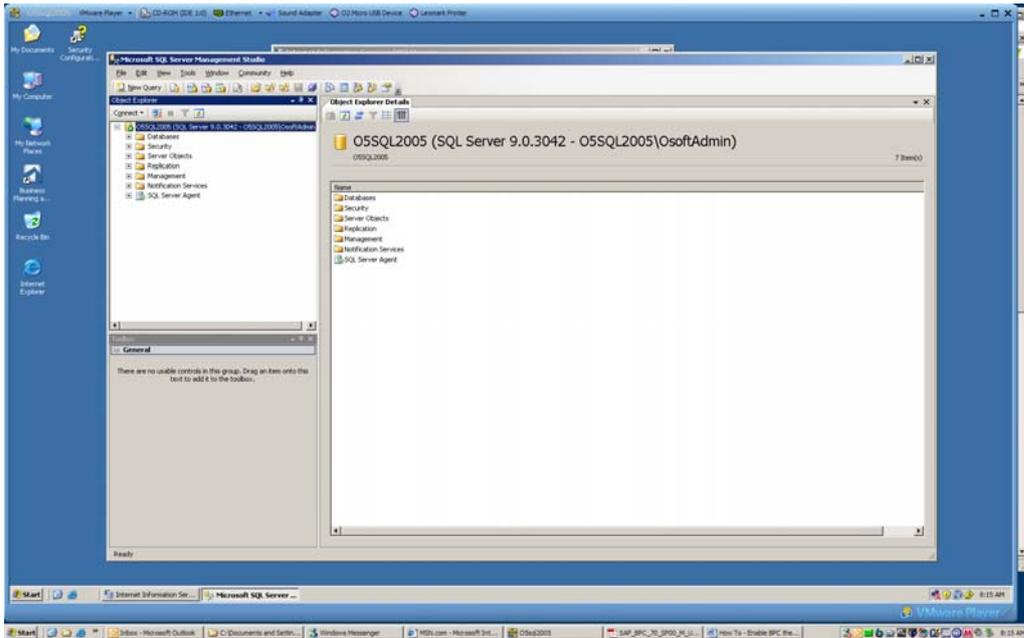
Click the “EDIT” button for the Authentication and Access Control section, which should look like the picture below.



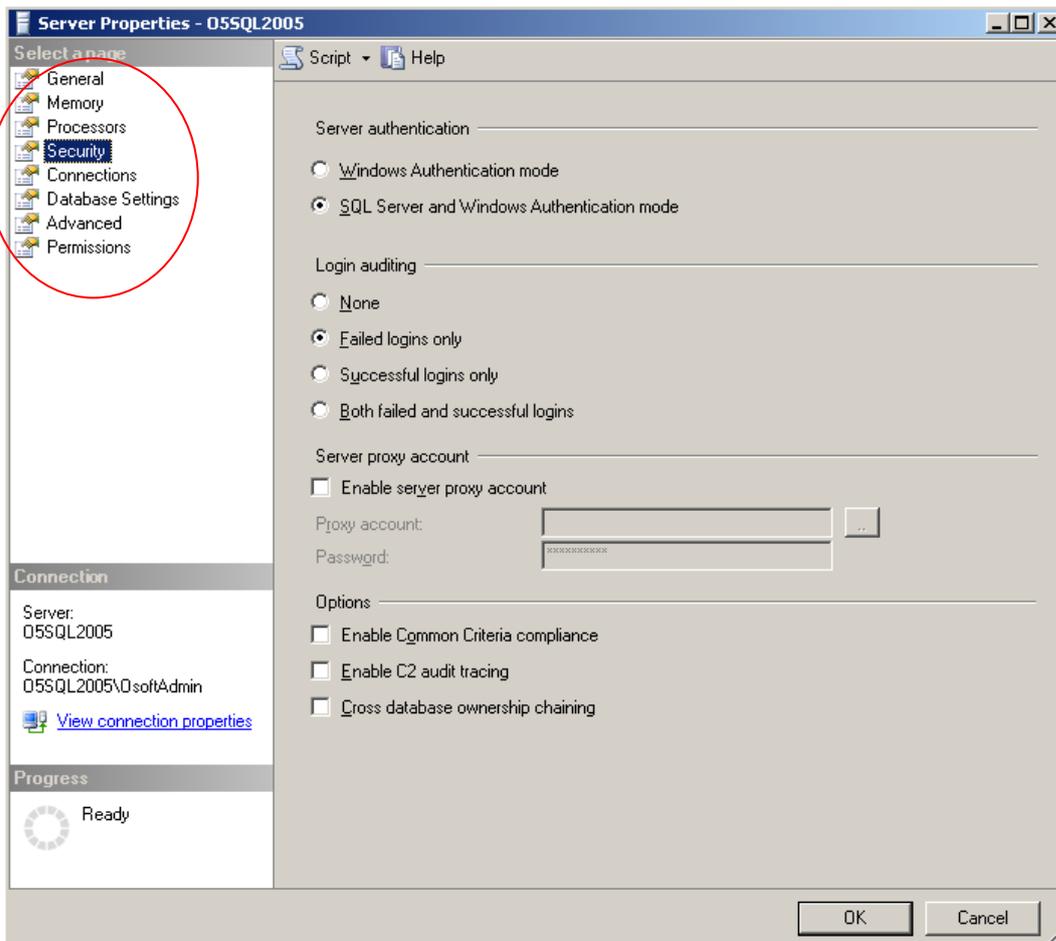
In this window, uncheck the Enable anonymous access box, Uncheck the Integrated Windows authentication box, but Check the Basic Authentication box. This may prompt you to restart the IIS services or tell you that it won't take effect until the next "re-boot."

Now we are ready to begin the process with Step 1 in the list.

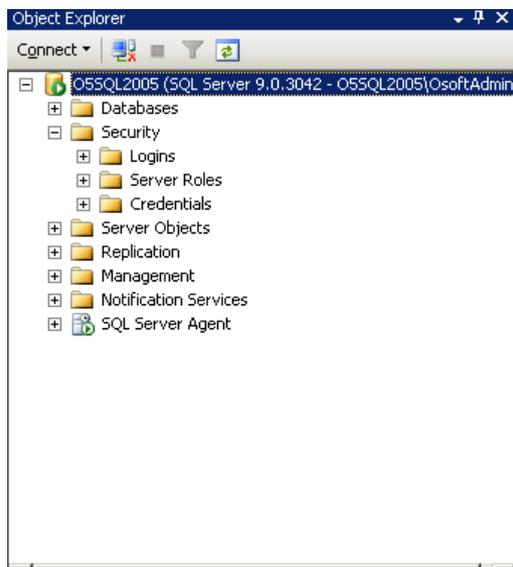
This process begins with the opening of Microsoft SQL Server Management Studio, as shown below.



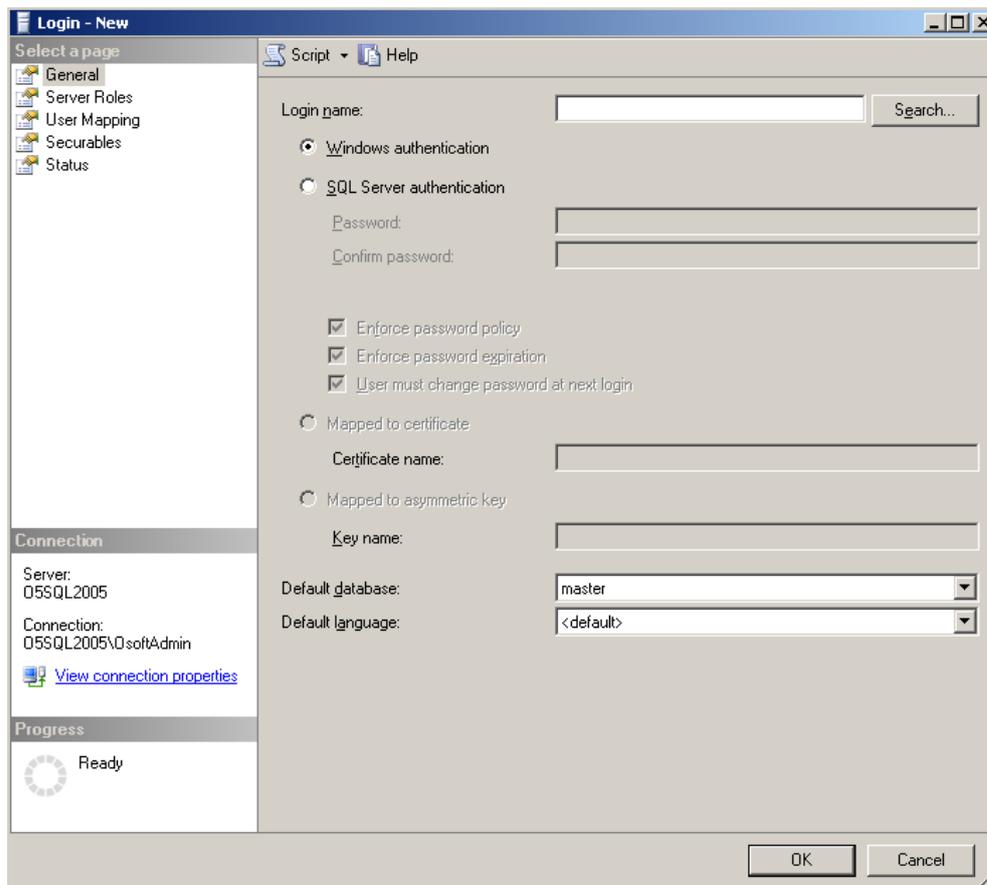
Next, “right-click” the Properties of the selected SQL Server. Inside that window, you will see a list of pages, circled below, Select Security. Click the “Radio” button in the first section from Windows Authentication mode, to SQL Server and Windows Authentication mode, as shown below. CLICK OK, to complete step A.



To start Step B, click the “Security” folder in the Object Explorer box of Microsoft SQL Server Management Studio. To add a new ID, right-click on the “Logins” folder.

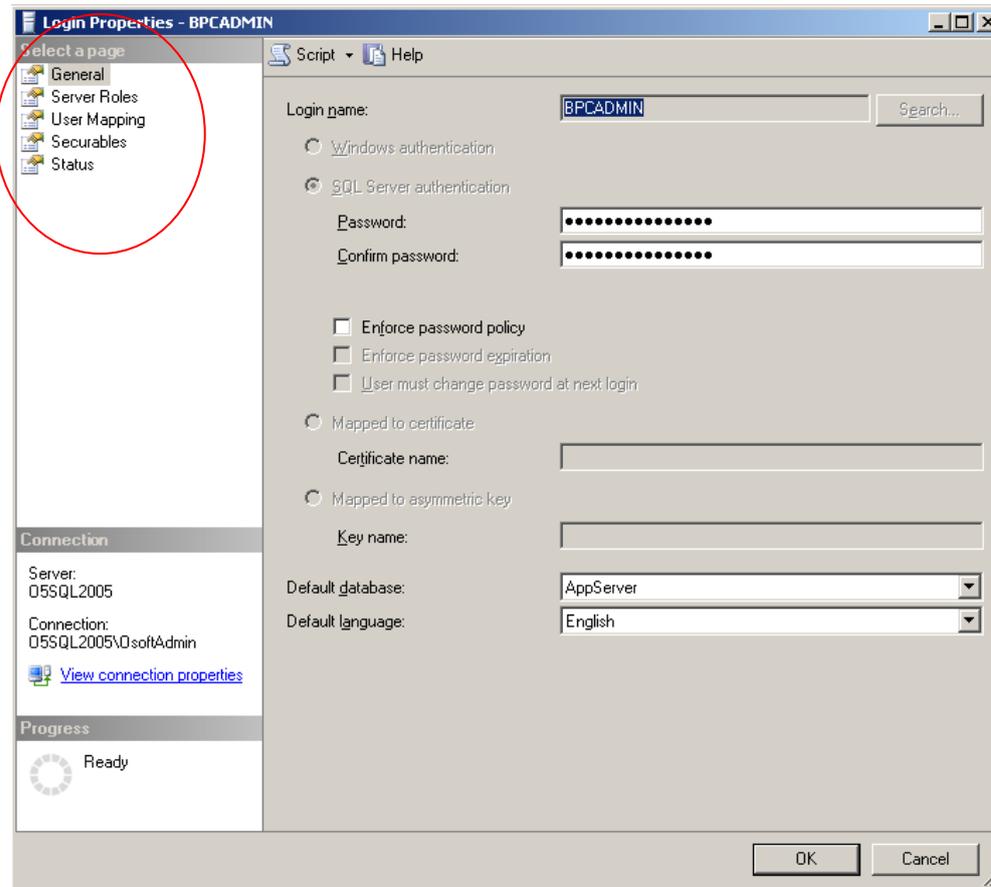


The login folder will open to this window.

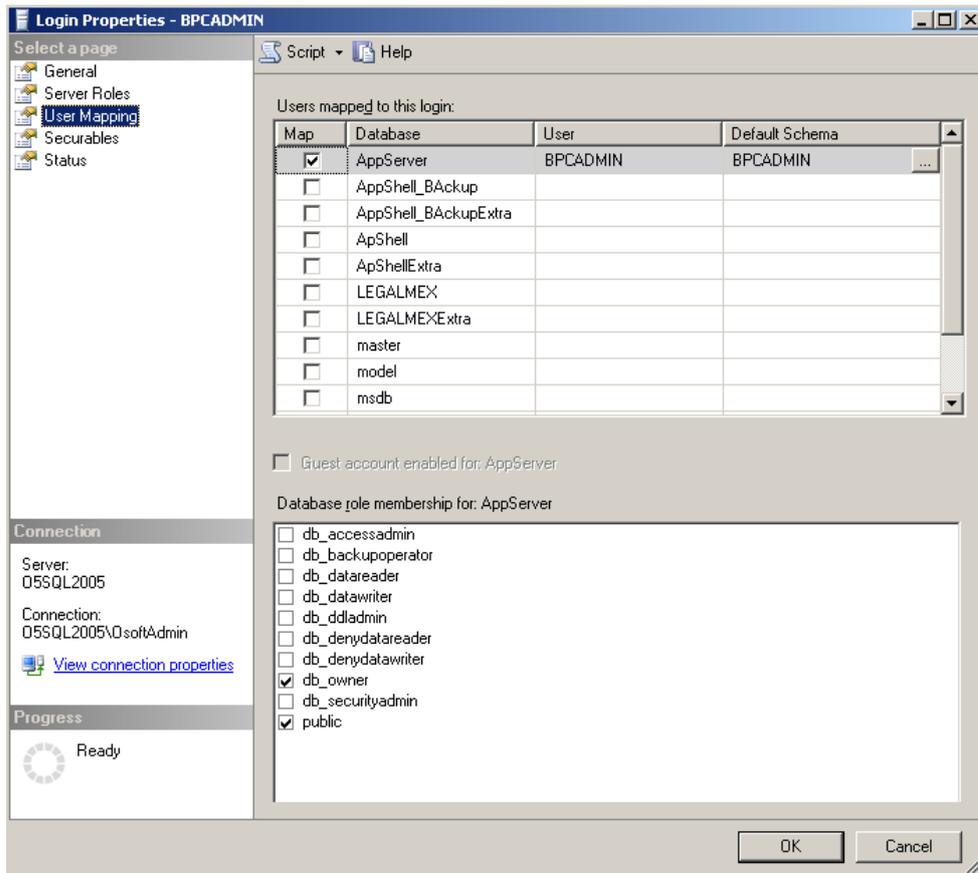


In this Window, define your new User ID, Click the Radio button for SQL Server authentication, deselect Enforce password policy, and Select the “AppServer”

database from the Default database drop box. An example of the finished product is shown below:

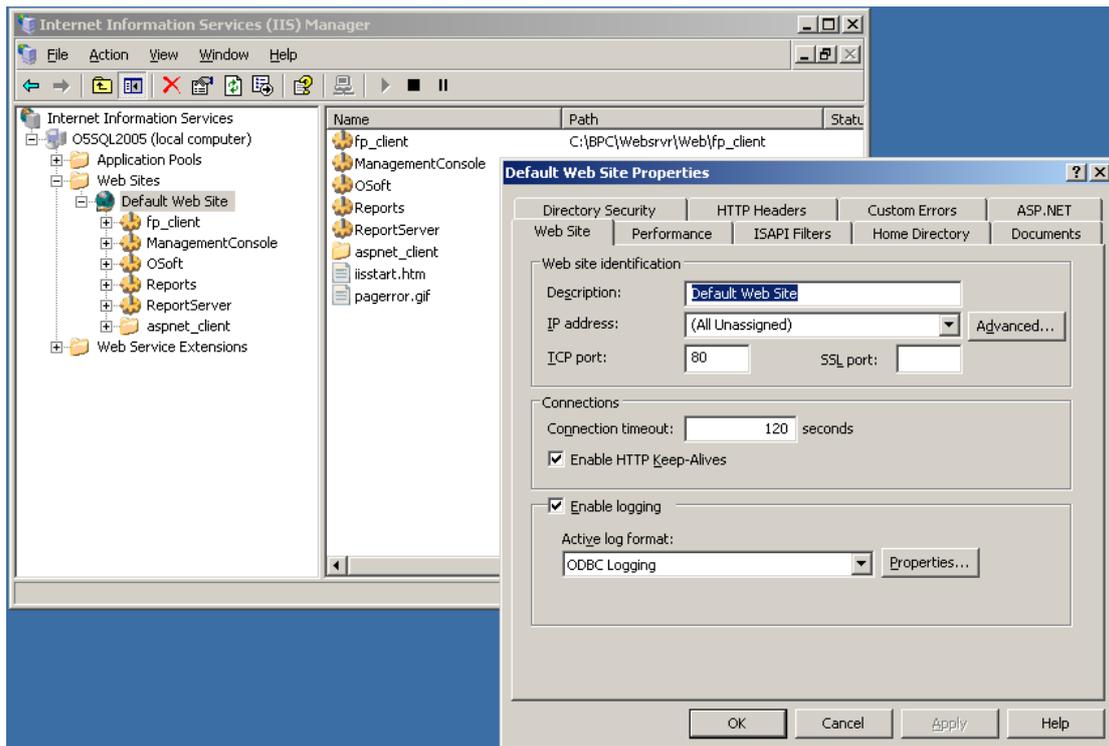


BEFORE you click "OK", Click the USER MAPPING page, Click the correct Database, and select the Database role, dbo\_owner. (You DO NOT need to deselect the "Public" box) The example is shown below.

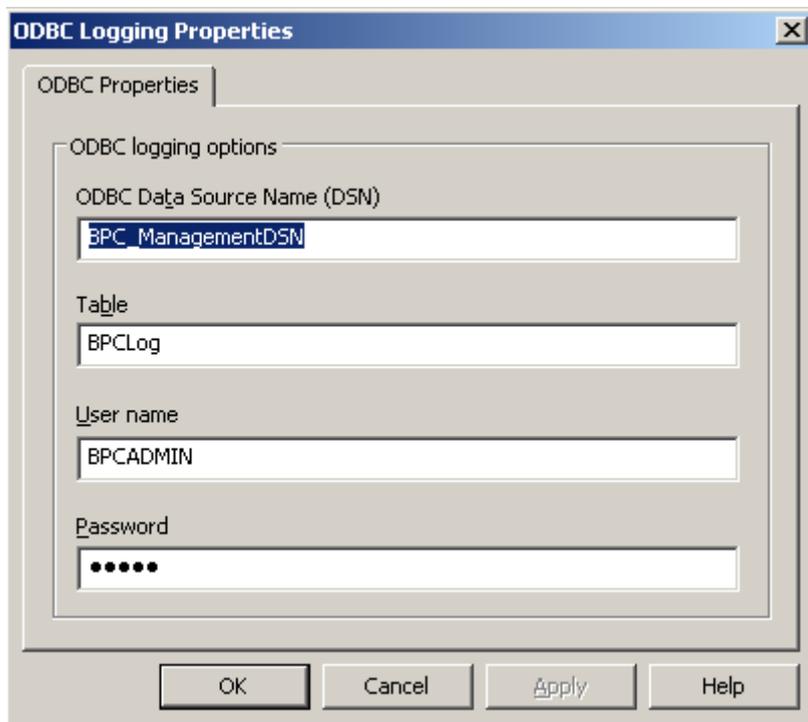


Now you can click the “OK” button. You have completed Step B.

To complete Step C, we need to return to the IIS Manager, Proceed to the Default WebSite selection, under the Web Sites folder. Right-Click to show the properties of the selection. Again, the properties should look similar to the image below, however the screen may open on a different tab. Just “click” on the “Web Site” tab this time. Click the enable logging check box if it is unchecked.

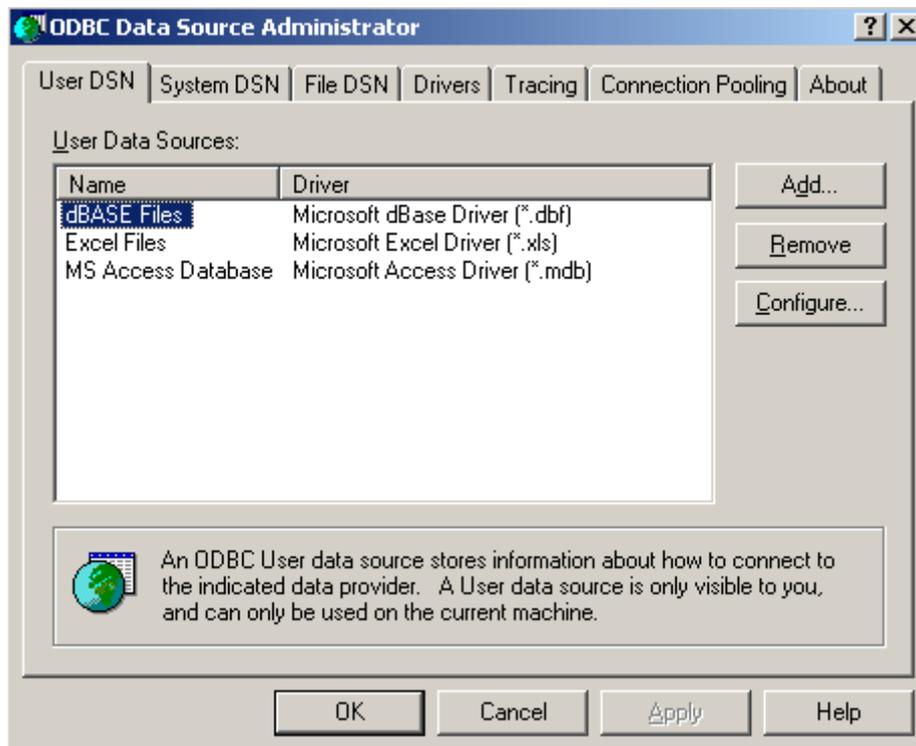


Select “ODBC Logging” from the Drop-box, and Click the “Properties” box to open the window shown below. Following the instruction steps, make certain the ODBC Data Source Name (DSN) is added correctly, add the table name, add the USER ID that was defined in the Microsoft SQL Server Management Studio, as well as the password, shown in the example below:

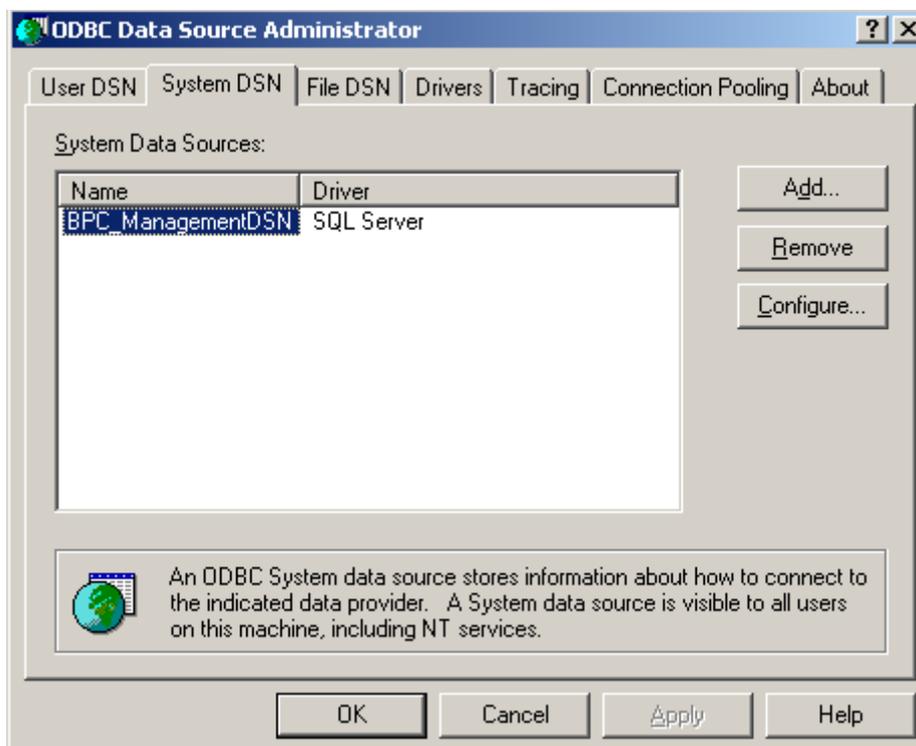


Click the “OK” button and close the remaining tabs and you have completed Step E.

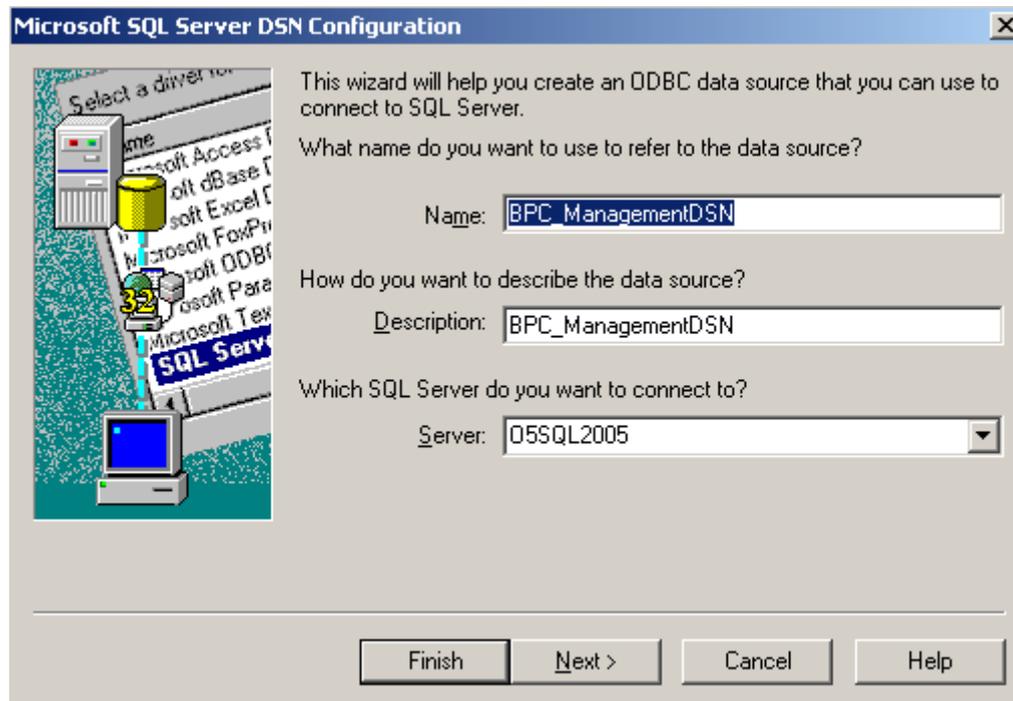
To complete the final series of steps of Step E, under the Start Menu, Administrative Tools, select “Data Sources (ODBC)” to open the window similar to the one below:



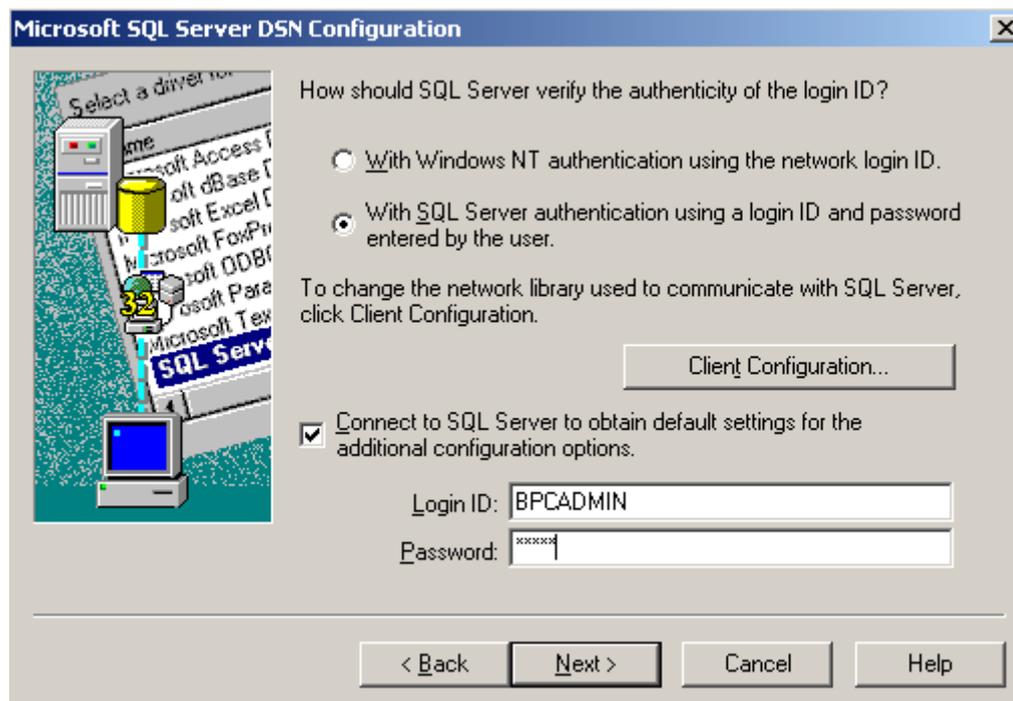
Click the “System DSN” tab as shown below:



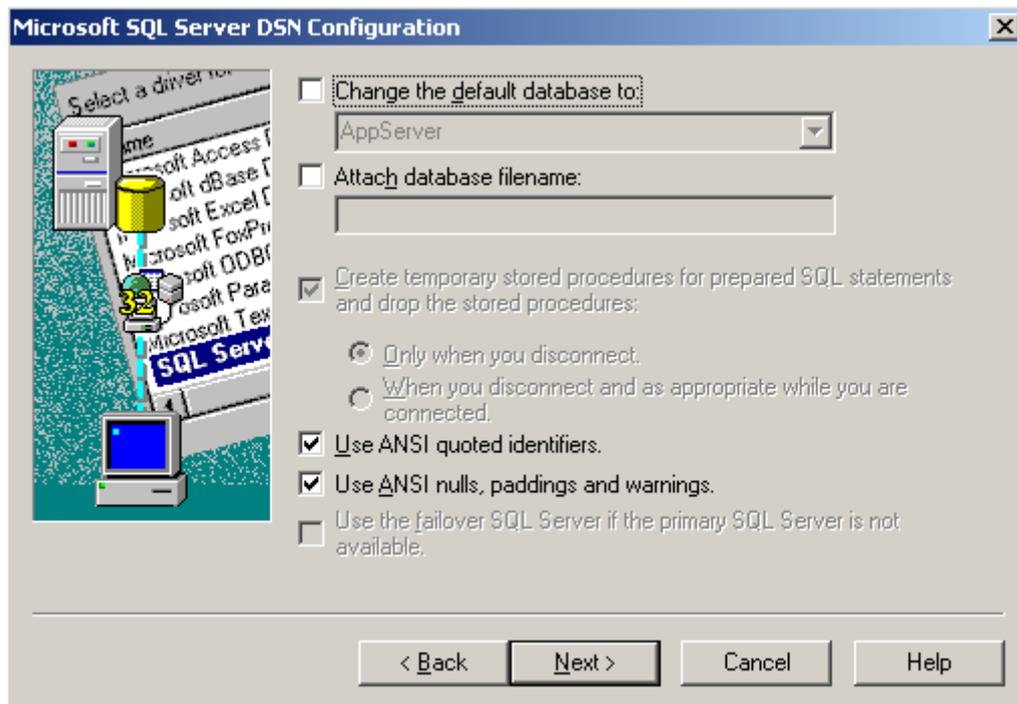
Click the “CONFIGURE” button, while highlighting the BPC\_ManagementDSN information in the main window box. This will open the following series of steps, starting with the window below. Verify that the correct SQL server is selected, and click the “NEXT” button.



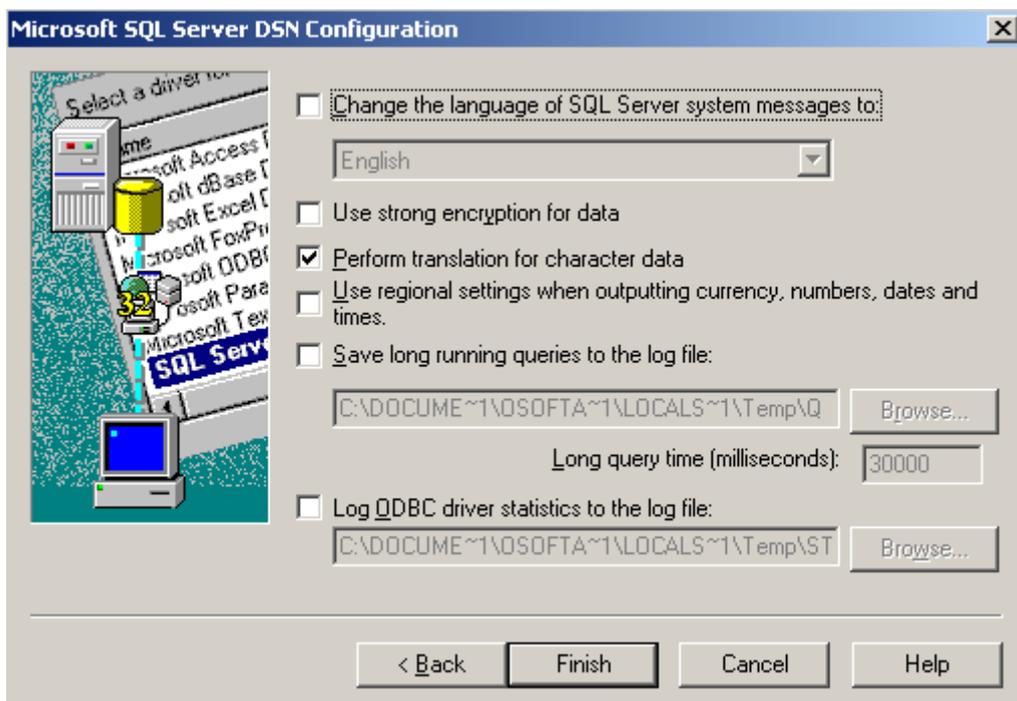
Click the second radio button, as shown below, Check the only “check box” and enter the ID and Password set-up earlier in the SQL Server Management Studio and entered into the IIS settings. Then click “NEXT”.



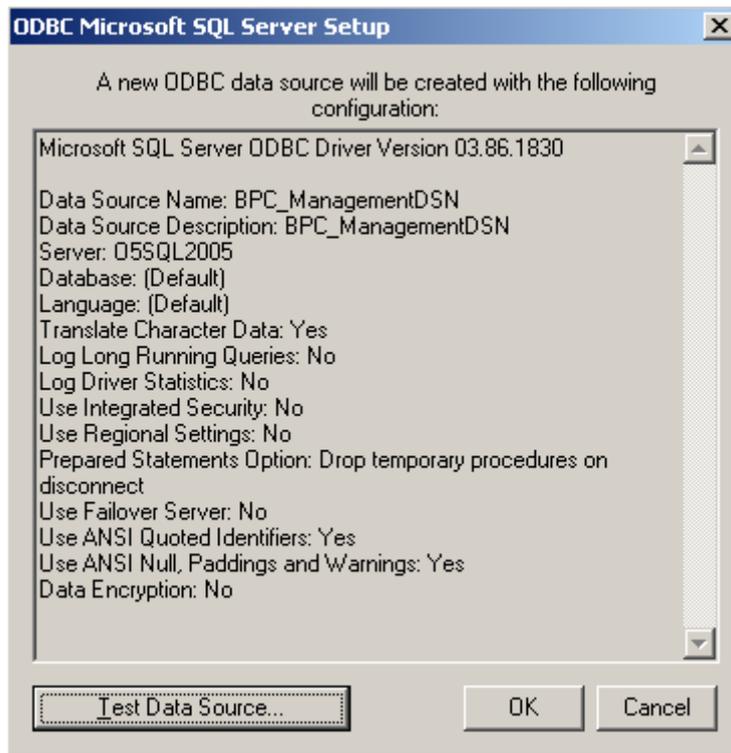
Do Not make any changes and click “NEXT.”



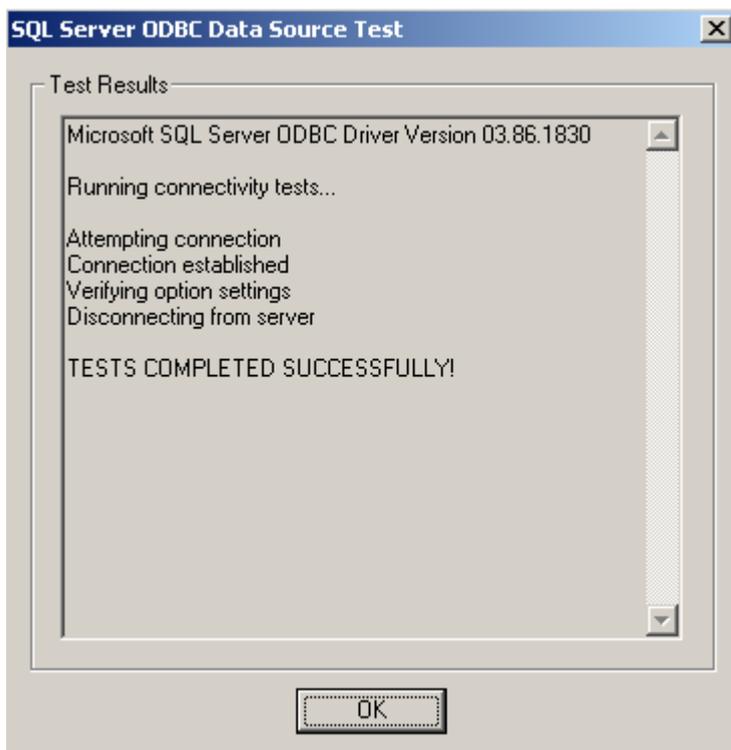
Do Not make any changes and click “Finish.”



The final box will appear similar to the one shown below. We advise that you check your connection, using the TEST DATA SOURCE button



Clicking the TEST button should result in a new window like the one below:



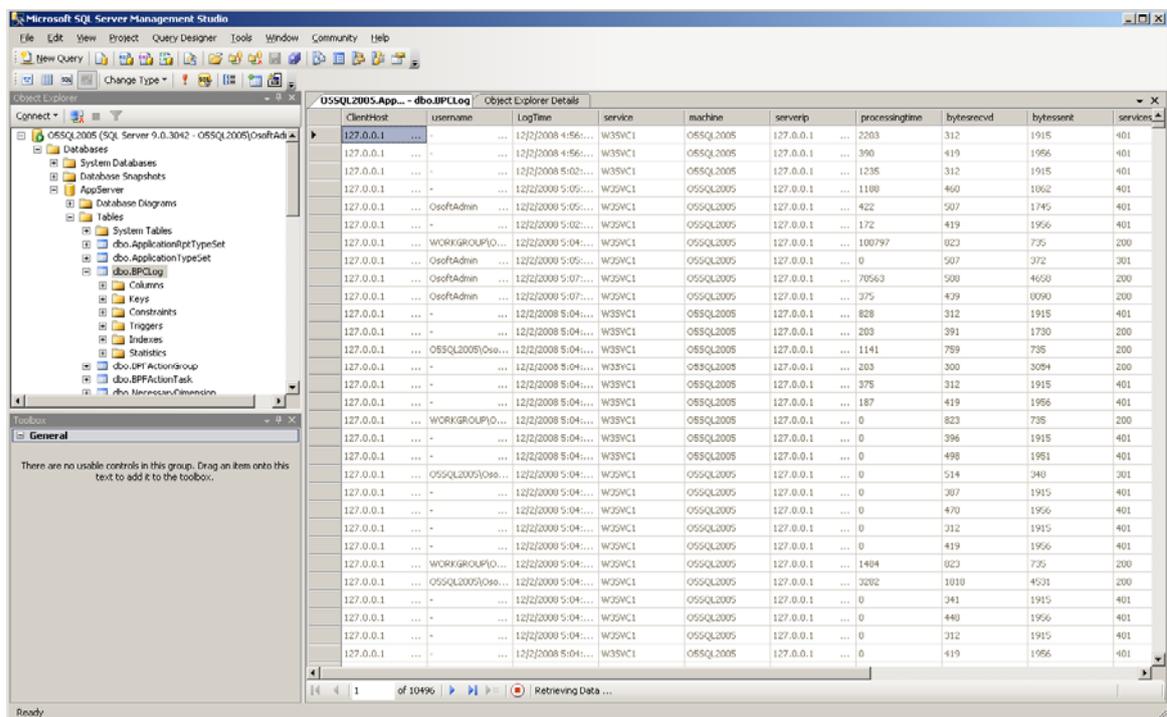
Click the "OK" boxes and close the process to complete STEP E of the process.

To start the Management Console, proceed to Windows Explorer and go to the address:

<http://localhost/ManagementConsole>

You will be prompted for the Username and Password since the system is now using Basic Authentication. During this process, you will likely be asked to install an additional software component from Adobe called Adobe Flash Player. This is required to enter the management studio.

If you want to verify that the components are working correctly, consider opening the BPCLog table in AppServer database and checking the Rows.



The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the Object Explorer with the following tree structure:

- OSSQL2005 (SQL Server 9.0.3042 - OSQL2005)OsoftAdA
- Databases
  - System Databases
  - Database Snapshots
  - AppServer
    - Database Diagrams
    - Tables
      - System Tables
      - dbo.ApplicationIpTypeSet
      - dbo.ApplicationTypeSet
      - dbo.BPCLog
      - Columns
      - Keys
      - Constraints
      - Triggers
      - Indexes
      - Statistics
      - dbo.DPI ActionGroup
      - dbo.BPFActionTask
      - dbo.HierarchDimension

The right pane shows the 'Object Explorer Details' for the 'dbo.BPCLog' table, displaying a grid of data with the following columns:

ClientHost	username	LogTime	service	machine	serverip	processingtime	bytesrecvd	bytessent	services	
127.0.0.1		12/2/2008 4:56:...	W3SVC1	OSSQL2005	127.0.0.1	...	2203	312	1915	401
127.0.0.1		12/2/2008 4:56:...	W3SVC1	OSSQL2005	127.0.0.1	...	390	419	1956	401
127.0.0.1		12/2/2008 5:02:...	W3SVC1	OSSQL2005	127.0.0.1	...	1235	312	1915	401
127.0.0.1		12/2/2008 5:05:...	W3SVC1	OSSQL2005	127.0.0.1	...	1108	460	1062	401
127.0.0.1	OsoftAdmin	12/2/2008 5:05:...	W3SVC1	OSSQL2005	127.0.0.1	...	422	507	1745	401
127.0.0.1		12/2/2008 5:02:...	W3SVC1	OSSQL2005	127.0.0.1	...	172	419	1956	401
127.0.0.1	WORKGROUP\O...	12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	100797	823	735	200
127.0.0.1	OsoftAdmin	12/2/2008 5:05:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	507	372	301
127.0.0.1	OsoftAdmin	12/2/2008 5:07:...	W3SVC1	OSSQL2005	127.0.0.1	...	70563	508	4650	200
127.0.0.1	OsoftAdmin	12/2/2008 5:07:...	W3SVC1	OSSQL2005	127.0.0.1	...	375	439	0090	200
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	628	312	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	203	391	1730	200
127.0.0.1	OSSQL2005\Oso...	12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	1141	759	735	200
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	203	300	3054	200
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	375	312	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	187	419	1956	401
127.0.0.1	WORKGROUP\O...	12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	823	735	200
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	396	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	498	1951	401
127.0.0.1	OSSQL2005\Oso...	12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	514	340	301
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	307	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	470	1956	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	312	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	419	1956	401
127.0.0.1	WORKGROUP\O...	12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	1494	823	735	200
127.0.0.1	OSSQL2005\Oso...	12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	3292	1010	4501	200
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	341	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	440	1956	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	312	1915	401
127.0.0.1		12/2/2008 5:04:...	W3SVC1	OSSQL2005	127.0.0.1	...	0	419	1956	401

The status bar at the bottom indicates 'Retrieving Data ...' and '1 of 10496' rows are displayed.