



# TBI-CDS

## Developer Guide

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12/31/2015

## Revision History

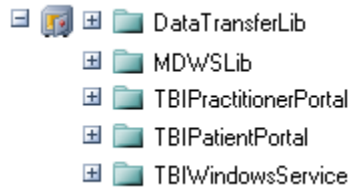
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8/19/2014	1.0	Created	Craig Rebo
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12/31/2015	3.0	Updated	Craig Rebo

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## Purpose of Document

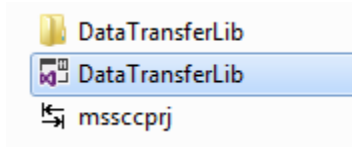
The purpose of this document is to define the build process for all projects related to TBI-CDS.



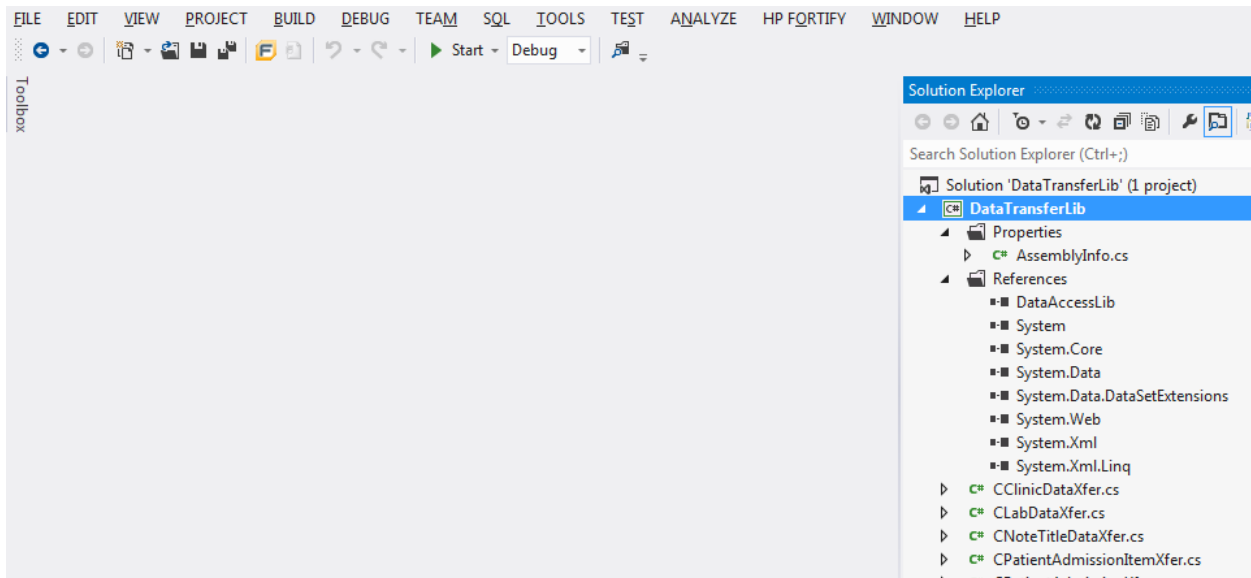
The following is a brief description of the software projects that make up the TBI-CDS system and the order in which the projects must be built. All projects are built using Visual Studio Professional 2012. Libraries are included in the bin directory of the projects as needed. The development machine must have Oracle Client installed and a connection to a development database is required to run and debug the application.

1. DataTransferLib – C# class library used to move data from a system, such as MDWS, to the central database.
2. MSWSLib – C# class library used to communicate with MDWS.
3. TBIPractitionerPortal – TBI-CDS ASP.Net web application used by providers

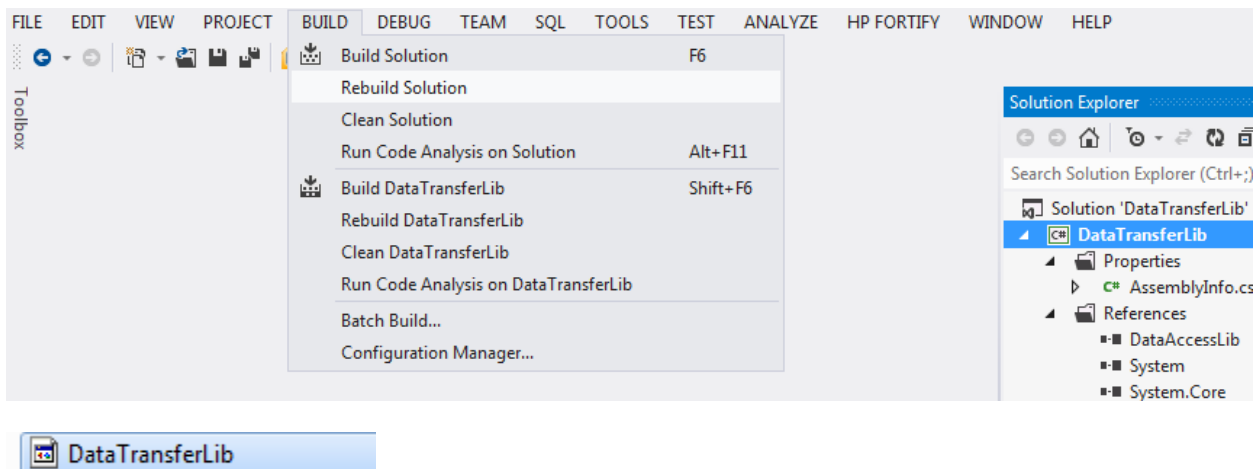
## DataTransferLib



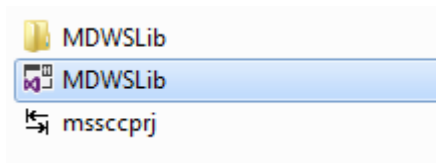
To build DataTransferLib, double-click on the DatatransferLib project file to open the project in Visual Studio.



Select Build|Rebuild Solution from the menu and wait for the project to build. This will create the DatatransferLib.dll file that is referenced by the MDWSLib project.

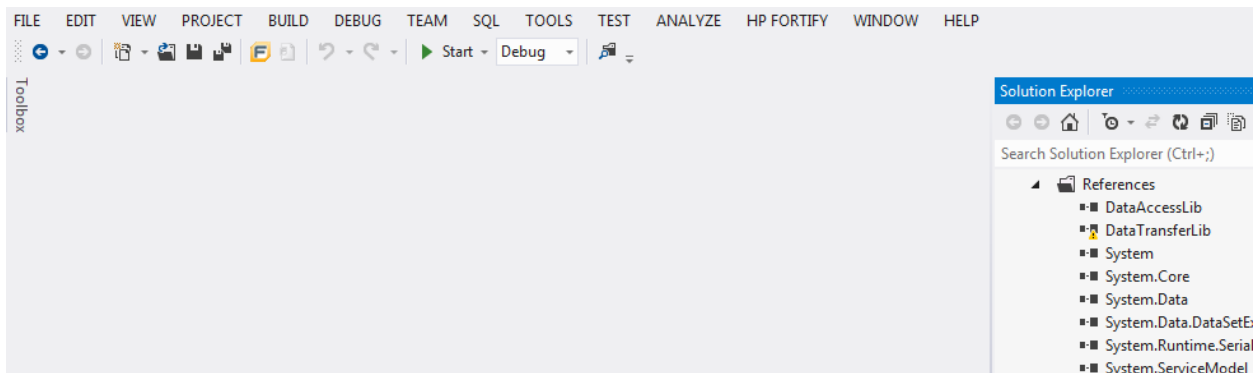


## MDWSLib

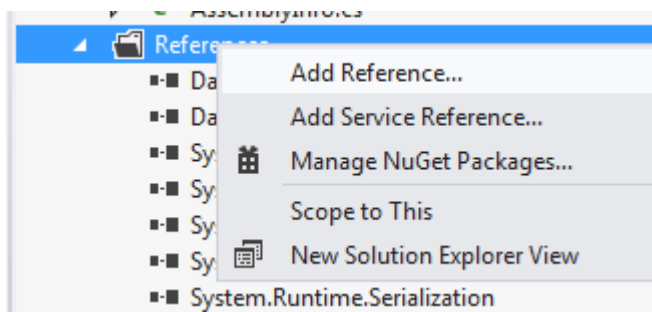
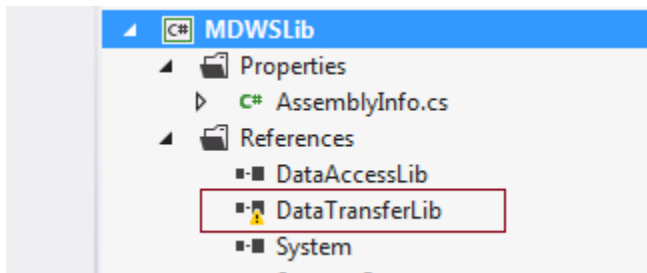


NOTE: During deployment to AITC it was found that development MDWS and live MDWS have different namespaces. If you make changes to MDWSLib you must change the namespace and relink the MDWSLib reference before you deploy to live. Search the code for all instances of the text: <http://mdws.medora.va.gov/EmrSvc> and change the text to <http://mdws.va.gov/EmrSvc> then rebuild the project.

To build MDWSLib, double-click on the MDWSLib project file to open the project in Visual Studio.



Make sure you have a valid reference to the DataTransferLib. To add or update the reference, right-click References and select 'Add Reference'. Navigate to the directory where you built DataTransferLib.

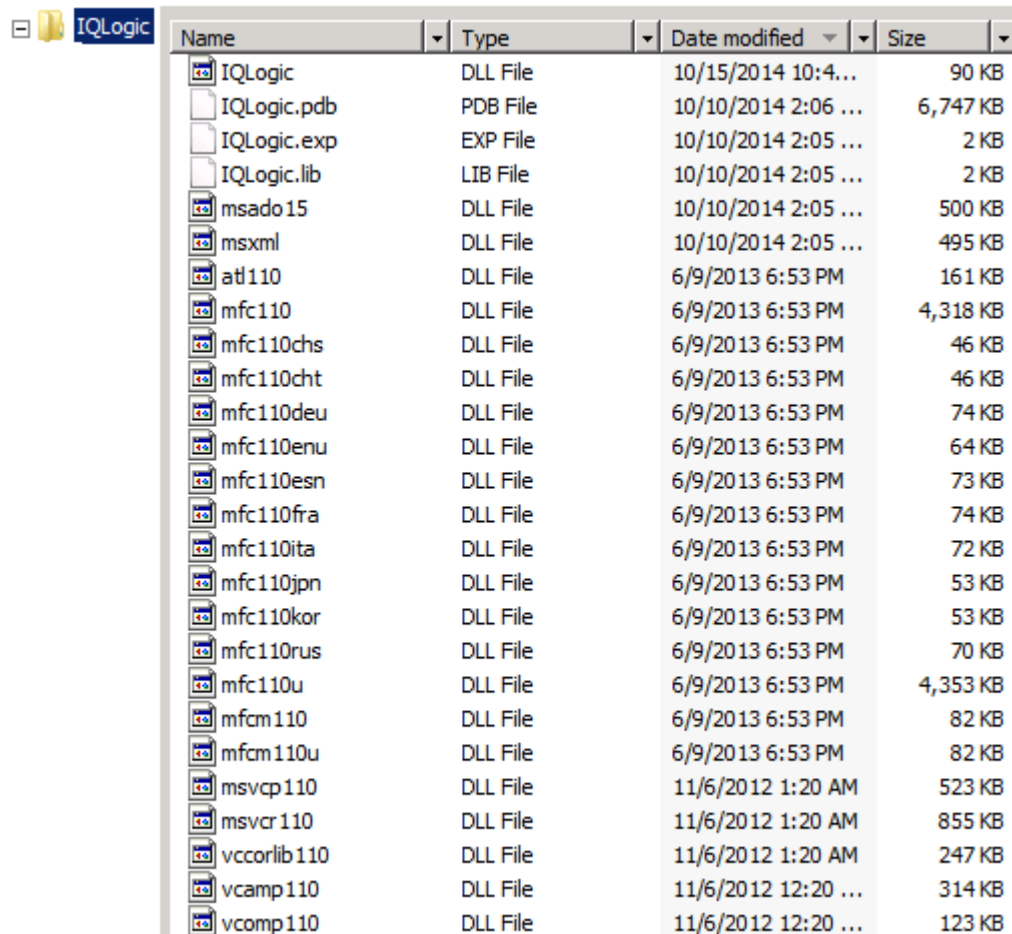


Select Build | Rebuild Solution from the menu and wait for the project to build. This will create the MDWSLib.dll file that is referenced by the TBICDSPractitionerPortal website project.

## Install the IQLogic Component

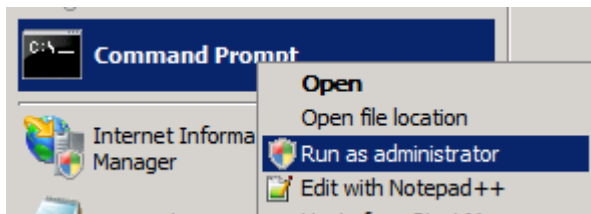
IQLogic is a Windows COM component used to run assessment logic.

1. Copy all IQLogic files to a directory on your development machine.

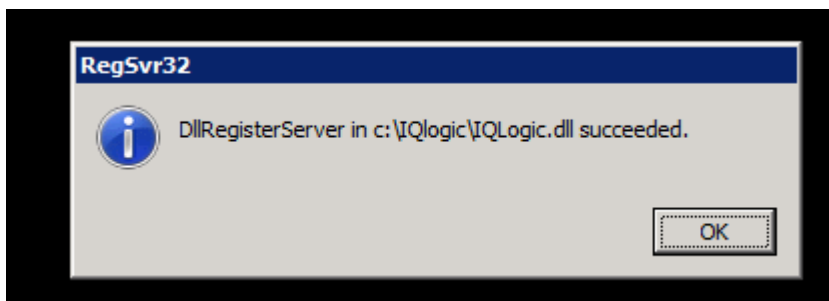
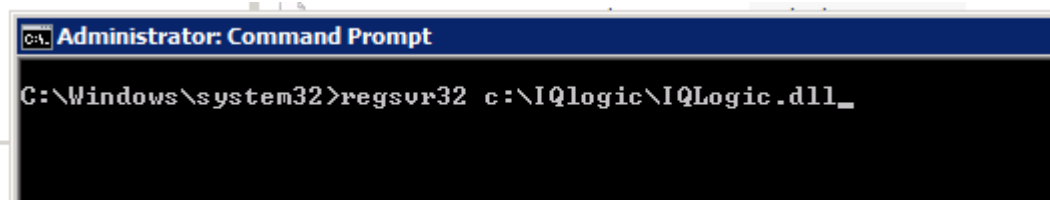


Name	Type	Date modified	Size
IQLogic	DLL File	10/15/2014 10:4...	90 KB
IQLogic.pdb	PDB File	10/10/2014 2:06 ...	6,747 KB
IQLogic.exp	EXP File	10/10/2014 2:05 ...	2 KB
IQLogic.lib	LIB File	10/10/2014 2:05 ...	2 KB
msado15	DLL File	10/10/2014 2:05 ...	500 KB
msxml	DLL File	10/10/2014 2:05 ...	495 KB
atl110	DLL File	6/9/2013 6:53 PM	161 KB
mfc110	DLL File	6/9/2013 6:53 PM	4,318 KB
mfc110chs	DLL File	6/9/2013 6:53 PM	46 KB
mfc110cht	DLL File	6/9/2013 6:53 PM	46 KB
mfc110deu	DLL File	6/9/2013 6:53 PM	74 KB
mfc110enu	DLL File	6/9/2013 6:53 PM	64 KB
mfc110esn	DLL File	6/9/2013 6:53 PM	73 KB
mfc110fra	DLL File	6/9/2013 6:53 PM	74 KB
mfc110ita	DLL File	6/9/2013 6:53 PM	72 KB
mfc110jpn	DLL File	6/9/2013 6:53 PM	53 KB
mfc110kor	DLL File	6/9/2013 6:53 PM	53 KB
mfc110rus	DLL File	6/9/2013 6:53 PM	70 KB
mfc110u	DLL File	6/9/2013 6:53 PM	4,353 KB
mfc110	DLL File	6/9/2013 6:53 PM	82 KB
mfc110u	DLL File	6/9/2013 6:53 PM	82 KB
msvcp110	DLL File	11/6/2012 1:20 AM	523 KB
msvcr110	DLL File	11/6/2012 1:20 AM	855 KB
vccorlib110	DLL File	11/6/2012 1:20 AM	247 KB
vcamp110	DLL File	11/6/2012 12:20 ...	314 KB
vcomp110	DLL File	11/6/2012 12:20 ...	123 KB

2. Register IQLogic.dll using the regsvr32 command. Open a command prompt using the 'Run as administrator' option.

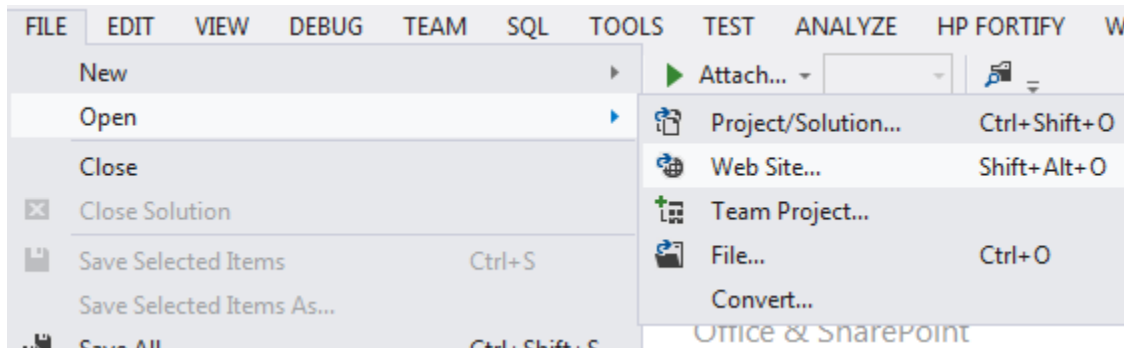


3. Register the COM component as follows:



## TBIPractitionerPortal

To build the website used by providers, select File | Open | Web Site from Visual Studio.



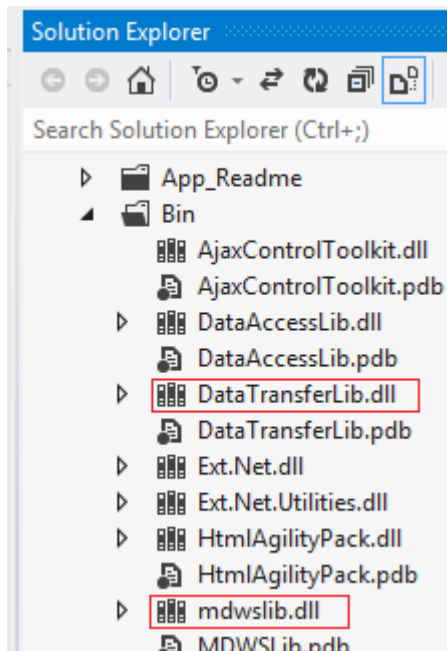
Open the web.config file and verify the database connection strings.

```
<connectionStrings>
  <add name="DBConnString" connectionString="Data Source=DRDB_DEV;User Id=tbicds;Password=???;" />
  <add name="SEC" connectionString="0421f86ef07e41619953a05274d02376" />
  <add name="Key" connectionString="3936373635303744383842463732333837413645433336313230413037443444" />
</connectionStrings>
```

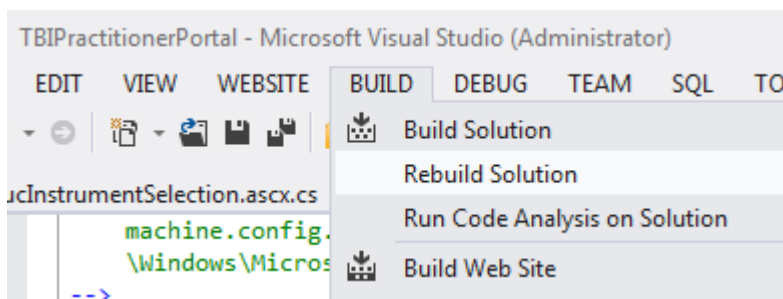
Scroll to the bottom of the web.config and verify the end point address of the development MDWS.

```
<client>
  <endpoint address="https://mdws.vacloud.us/mdws2/EmrSvc.asmx"
    binding="basicHttpBinding" bindingConfiguration="EmrSvcSoap"
    contract="MDWSEmrSvc.EmrSvcSoap" name="EmrSvcSoap" />
  <endpoint address="https://mdws.vacloud.us/mdws2/EmrSvc.asmx"
    binding="customBinding" bindingConfiguration="EmrSvcSoap12"
    contract="MDWSEmrSvc.EmrSvcSoap" name="EmrSvcSoap12" />
</client>
```

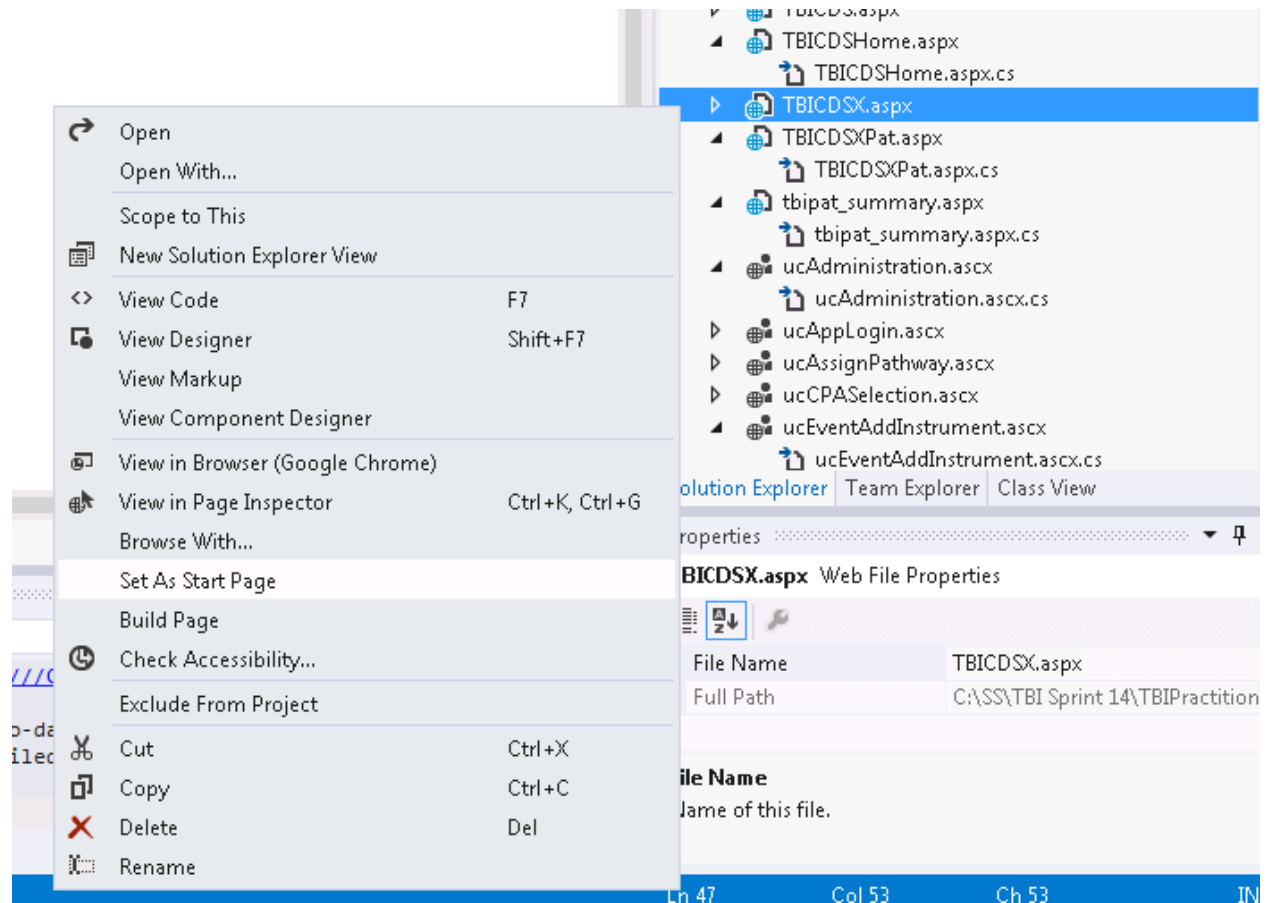
Expand the bin directory and make sure you have valid references to DataTransferLib.dll and mdwslib.dll



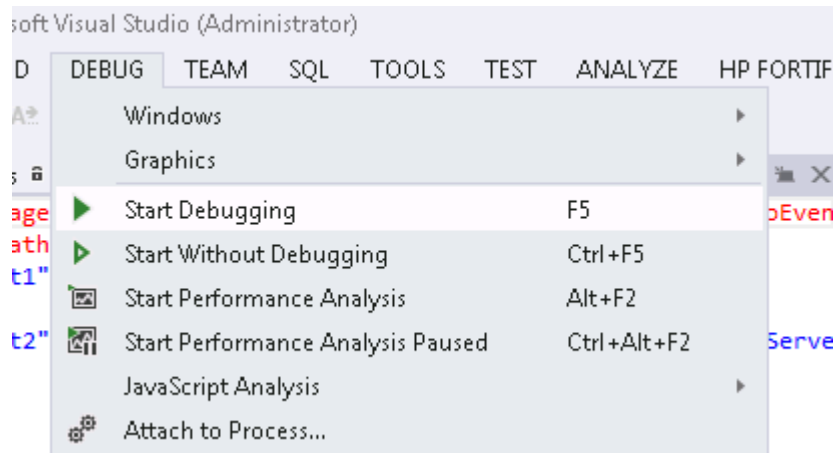
Select Build | Rebuild Solution from the menu and wait for the project to build.



Right click TBICDS.aspx and choose 'Set As Start Page' from the menu. This is the default web page for the TBI CDS application.



Choose DEBUG | Start Debugging or press F5 to run the application.



Select the 'Development VISN' region and the 'Dev VistA 29' site and any clinical program.

**LOGIN**

REGION
Development VISN

SITE
Dev VistA 29

CLINICAL PROGRAM AREA
Emerging Consciousness (EC

USERNAME

PASSWORD

Login

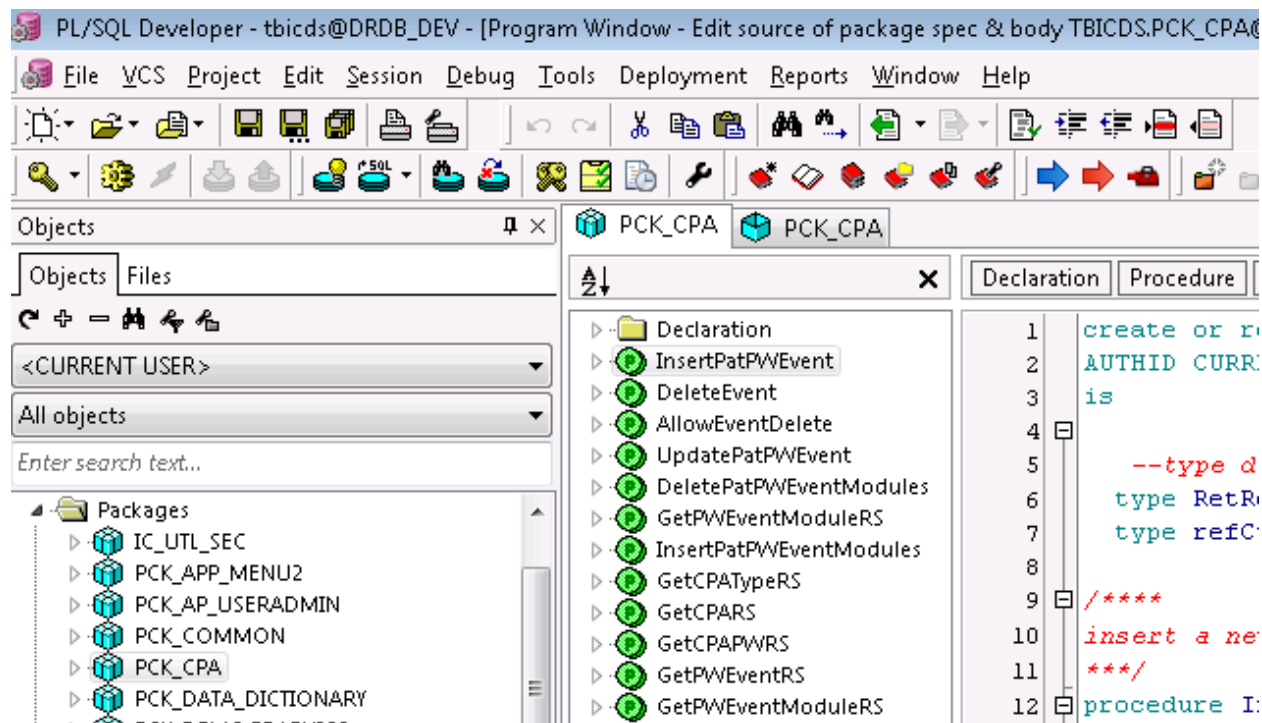
Use one of the following accounts to login to the system.

ACCESS CODE	VERIFY CODE	ROLE
PROV3456	PROV6543\$	PROVIDER
PROV1234	PROV4321\$	PROVIDER
NURSE123	URSE4321\$	NURSE
CLERK1234	CLERK4321\$	CLERK
PROV9090	PROV0909\$	PROVIDER
NURSE9090	URSE0909\$	NURSE
PROV8989	PROV9898\$	PROVIDER
NURSE8989	URSE9898\$	NURSE
CLERK8989	CLERK9898\$	CLERK

PROV7878	PROV8787\$	PROVIDER
NURSE7878	URSE8787\$	NURSE
CLERK7878	CLERK8787\$	CLERK
PROV6767	PROV7676\$	PROVIDER
NURSE6767	URSE7676\$	NURSE
CLERK6767	CLERK7676\$	CLERK
PROV4545	PROV5454\$	PROVIDER
PROV3434	PROV4343\$	PROVIDER
NURSE4545	URSE5454\$	NURSE
NURSE3434	URSE4343\$	NURSE
RPH12345	RPH54321\$	PHARMACIST
RPH23456	RPH65432\$	PHARMACIST
CLERK3434	CLERK4343\$	CLERK
PROV123456	PROV654321\$	PROVIDER
PROV1357	PROV7531\$	PROVIDER
PROV2468	PROV8642\$	PROVIDER
NURSE5757	URSE7575\$	NURSE
NURSE4646	URSE6464\$	NURSE
NURSE9797	URSE7979\$	NURSE
RPH67890	RPH09876\$	PHARMACIST
RPH34567	RPH76543\$	PHARMACIST
CLERK0987	CLERK7890\$	CLERK
CLERK2323	CLERK3232\$	CLERK

## Oracle Tables and PL/SQL

Instructions for installing the Oracle database and setting up the tbicds schema can be found in the Comprehensive Server Manual. A development database also exists in the VA sandbox. The machine name is I372TBIWIN and ip address is 54.243.51.231. To edit database packages, tables etc. use Oracle SQL developer or a tool such as PL/SQL developer.



There are also a set of scripts that will create the database from scratch and load static data. Simply create the tbicds schema/user and run the scripts in order below.

- 1\_DB\_CreateTBICDSDBObjects
- 2\_DB\_LoadTBICDSDBStaticData
- 3\_DB\_26\_update