**Procedure to install binaries for Functional testing purpose**

1. Download OFSOfflineSetup.Zip from below SP location.

[https://bjofs.sharepoint.com/sites/OFS/Shared%20Documents/Forms/AllItems.aspx?id=%2Fsites%2FOFS%2FShared%20Documents%2FDeploymentPlan%2FPhase2-Sprint2%2FOFS%20Offline%20App](https://apac01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofs.sharepoint.com%2Fsites%2FOFS%2FShared%2520Documents%2FForms%2FAllItems.aspx%3Fid%3D%252Fsites%252FOFS%252FShared%2520Documents%252FDeploymentPlan%252FPhase2-Sprint2%252FOFS%2520Offline%2520App&data=01%7C01%7CBhumaiah_V%40infosys.com%7C758550fd384f4d8ff30808d584aec21c%7C63ce7d592f3e42cda8ccbe764cff5eb6%7C1&sdata=ws0uoyDJIOjV1UEgrl6dnZN5gM23AgCa2r8ZtOkQs8c%3D&reserved=0)

1. Extract and Delete the contents from –

C:\Users\ashok\_naik\Downloads\OFSOfflineSetup\OFSOfflineSetup\OFSOffline\OFSOffline (Which will have Sqlite db file, binaries like DLLs etc.)

1. **Build the solution** taken from TFS branch - $/Allied OFS/Ofs.Crm.Offline-EventLogBranch
2. **Change config to point to UAT**

**Comment dev1 links**

<!--<add key="CrmResourceURL" value="https://bjofsdev1.crm.dynamics.com"/>-->

<!--<add key="CrmOrgServiceURL" value="https://bjofsdev1.api.crm.dynamics.com/XRMServices/2011/Organization.svc/web"/>-->

**Add below links for UAT**

<add key="CrmResourceURL" value="https://bjofsuat.crm.dynamics.com/"/>

    <add key="CrmOrgServiceURL" value="https://bjofsuat.api.crm.dynamics.com/XRMServices/2011/Organization.svc/web"/>

1. Get all the contents from - ~\Ofs.Crm.Offline-EventLogBranch\**Ofs.Crm.Offline.Wpf**\bin\Debug

And paste them back into - ~\OFSOfflineSetup\OFSOfflineSetup\OFSOffline\OFSOffline

1. Truncate OFSOfflineDB.db
2. Zip back the setup as **OFSOfflineSetup**.Zip
3. Delete existing OFSOfflineSetup.Zip from SP and upload this new .zip

* FT team may get admin issues while running .bat file

Follow below steps

* Delete all the contents which is above the line - set SourcePath=%cd%
* Replace existing path with **C:\OFSOffline** as [**set DestinationPath= C:\OFSOffline]**
* Share this file with FT team.



To set relative path for database

Go to, Application – Right click- settings

Connection string = OFSOfflineDBConnectionString

**data source=|DataDirectory|\SQLiteDBFile\OFSOfflineDB.db**

**For EventLogBranch**

Instead of absolute path - **data source= D:\Ashok\BJService\Ofs.Crm.Offline-EventLogBranch\Ofs.Crm.Offline.Wpf\bin\Debug\SQLiteDBFile\OFSOfflineDB.db**

**For Main branch**

Instead of absolute path –

**data source= D:\Ashok\BJService\Ofs.Crm.Offline\Ofs.Crm.Offline.Wpf\bin\Debug\SQLiteDBFile\OFSOfflineDB.db**

**data source= D:\Ashok\Allied OFS\Ofs.Crm.Offline\Ofs.Crm.Offline.Wpf\bin\Debug\SQLiteDBFile\OFSOfflineDB.db**

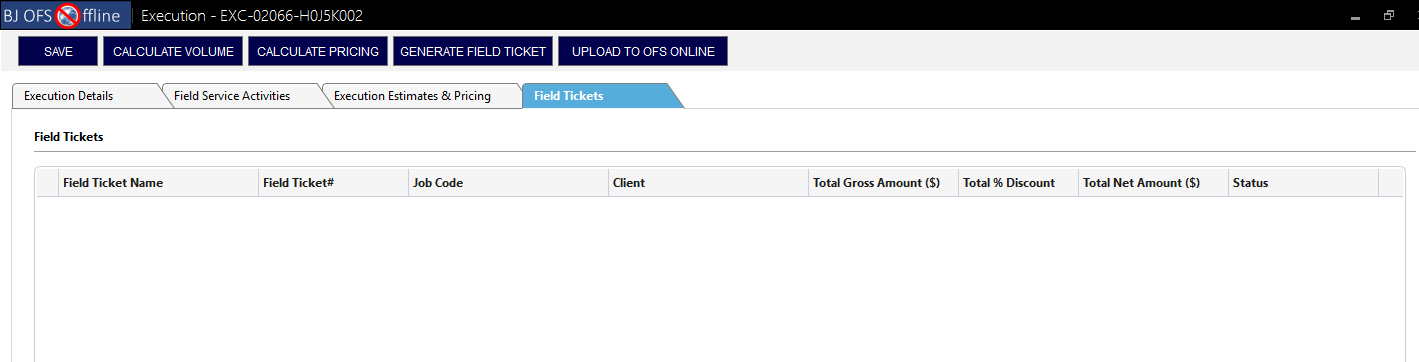
**TFS connection for BJ**

tfs2013-Farm01.ad.infosys.com

**Fracturing query**

**WHERE (ofs\_eventlog.ofs\_eventlogid = @EventLogId) OR (ofs\_eventlogdetails.ofs\_crew like '%@Crew%' Or ofs\_eventlogdetails.ofs\_crew is null)**

**Field ticket report- FT screen**



**Clear cookies from browser**

//Clear IE cache

//\*

string[] cookies = Directory.GetFiles(Environment.GetFolderPath(Environment.SpecialFolder.Cookies));

//string[] interNetCache = System.IO.Directory.GetFiles(Environment.GetFolderPath(Environment.SpecialFolder.InternetCache));

foreach (string currentFile in cookies)

{

try

{

File.Delete(currentFile);

}

catch (Exception ex)

{

throw ex;

}

}

Catch (Exception ex)

{

throw ex;

}

}

UNITS of measurement

Fluid & Slurry Volume in m3.

Proppant Concentration in (kg/m3).

Pressure in mpa. Power in kw.

Rate in (m3/min)

**How to download RDLC (of online report) from CRM**

Settings-> Solution (ex: OFS Phase 2-Sprint 3)-> Open solution-> Reports-> Choose Fracturing-Acidizing Treatment -> Open-> Actions-> Download report.

The program '[20276] Ofs.Crm.Offline.Wpf.vshost.exe' has exited with code -2

**Business unit IDs**

CAN=> ABD19125-3AA5-E711-813A-E0071B72A7D1

USA=> 37EDDF2B-3AA5-E711-813A-E0071B72A7D1

**Report server**

Server = VBJSSSTPC-01 (Connect remotely using Infy credens)

The term **hotfix** is generally used when client has found an issue within the current release of the product and can not wait to be fixed until the next big release. Hence a hotfix issue is created to fix it and is released as a part of update to the current release usually called Cumulative Update(CU). CUs are nothing but a bunch of hotfixes together.

**Bugfix** - We usually use this when an issue is found during the development and testing phase internally

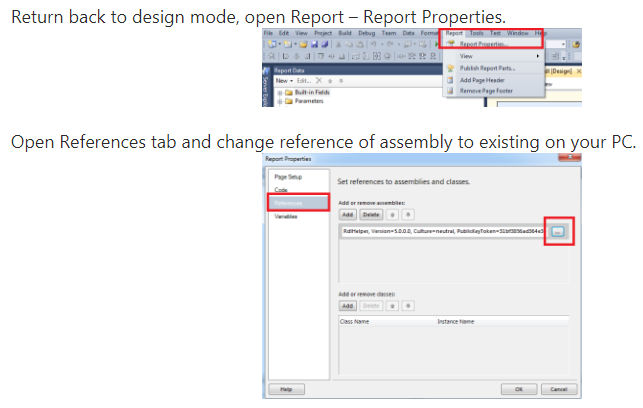
|  |  |  |
| --- | --- | --- |
| **Previous Name** | **New Name** | **New URL’s** |
| Dev | Dev | [https://bjofsdev1.crm.dynamics.com](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofsdev1.crm.dynamics.com&data=02%7C01%7C%7C709d752105504d60f17908d5ba1f0107%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636619564667924366&sdata=4zhKTwI%2BGC1e8OkitYx7ptewUgSZvahX64jpJSZN%2FK4%3D&reserved=0) |
| UAT | Dev SIT | [https://bjofsdevsit.crm.dynamics.com](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofsdevsit.crm.dynamics.com&data=02%7C01%7C%7C709d752105504d60f17908d5ba1f0107%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636619564667964398&sdata=wZ7UcL1MPUA3nq89%2BnRXlsE%2FAGRqYA9L%2BwqY%2BymFyq4%3D&reserved=0) |
| Prod Support | Prod Support Dev | [https://bjofs-prodsupport.crm.dynamics.com](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofs-prodsupport.crm.dynamics.com&data=02%7C01%7C%7C709d752105504d60f17908d5ba1f0107%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636619564667974402&sdata=07v9b%2BB0MI0sZ48In3IdpV9JASC5QLlBMCXOBw3q%2F3k%3D&reserved=0) |
| SIT2 | Prod Support SIT | [https://bjofsprodsit.crm.dynamics.com](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofsprodsit.crm.dynamics.com&data=02%7C01%7C%7C709d752105504d60f17908d5ba1f0107%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636619564667984418&sdata=xqluLWzyCUfperq2a2Nezf6juWsi8BZVSTFSo6%2B69n4%3D&reserved=0) |
| Mock | Mock | [https://bjofs-mock.crm.dynamics.com](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofs-mock.crm.dynamics.com&data=02%7C01%7C%7C709d752105504d60f17908d5ba1f0107%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636619564667984418&sdata=wOV0Y1PZCOiodL1o0hx9zQ0u3huQwF6LVZe84pj%2FZks%3D&reserved=0) |
| Production | Production | [https://bjofs.crm.dynamics.com](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbjofs.crm.dynamics.com&data=02%7C01%7C%7C709d752105504d60f17908d5ba1f0107%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636619564667994417&sdata=ZRXovne93ggeSfcaDOUcXpdBjDtAENlPVn7PbIUHZjg%3D&reserved=0) |

Error related to RDLC report

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Severity | Code | Description | Project | File | Line |
| Error |  | Error while loading code module: ‘Microsoft.Crm.Reporting.RdlHelper, Version=8.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35’. Details: Could not load file or assembly 'Microsoft.Crm.Reporting.RdlHelper, Version=8.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35' or one of its dependencies. The system cannot find the file specified. | Ofs.Crm.Offline.Wpf | D:\Ashok\BJService\Ofs.Crm.Offline\Ofs.Crm.Offline.Wpf\Reports\ExecutionReports\Frac\_Treatment\PricingEstimate.rdlc |  |

Solution:-

Right click on RDLC🡪 Choose Report properties-> Choose RdHelper reference from References Tab 🡪 Delete the reference🡪 Build project

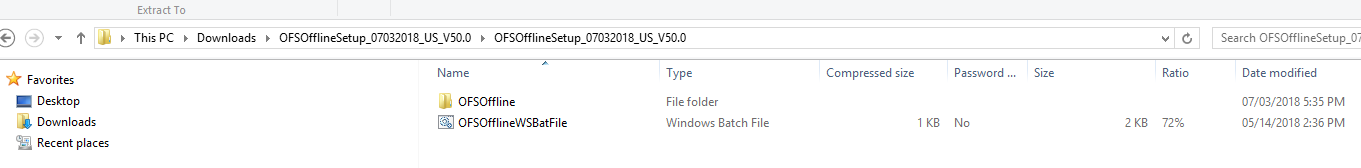


**Log4Net implementation**

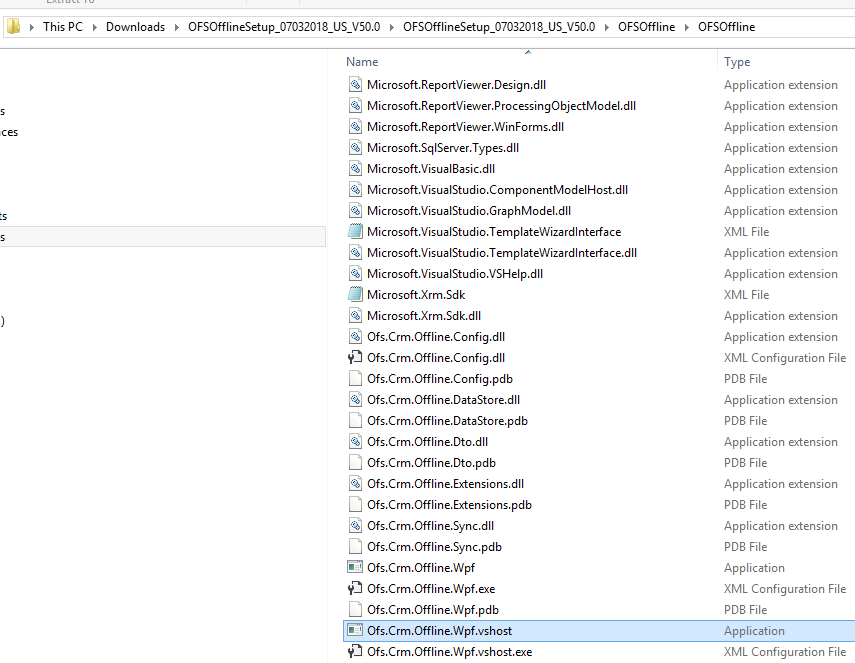
|  |
| --- |
| <?xml version="1.0" encoding="utf-8"?> |
| <configuration> |
|  |
| <configSections> |
| <!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwlink/?LinkID=237468 --> |
| <section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler, log4net" /> |
| <section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false"/> |
| </configSections> |
| <log4net> |
| <appender name="RollingFileAppender" type="log4net.Appender.RollingFileAppender"> |
| <file type="log4net.Util.PatternString" value="Logs\%property{LogFileName}" /> |
| <appendToFile value="true" /> |
| <rollingStyle value="Size" /> |
| <maxSizeRollBackups value="10" /> |
| <maximumFileSize value="10000KB" /> |
| <staticLogFileName value="true" /> |
| <countDirection value="1" /> |
| <layout type="log4net.Layout.PatternLayout"> |
| <param name="ConversionPattern" value="[%d{yyyy-MM-dd hh:mm:ss}] - [%-5p] – %m%n" /> |
| </layout> |
| </appender> |
| <!--<appender name="ConsoleAppender" type="log4net.Appender.ConsoleAppender" > |
| <layout type="log4net.Layout.PatternLayout"> |
| <param name="Header" value="[header]\n" /> |
| <param name="Footer" value="[footer]\n" /> |
| <param name="ConversionPattern" value="%d [%t] %-5p %c %m%n" /> |
| </layout> |
| </appender>--> |
| <root> |
| <level value="ALL" /> |
| <!--<appender-ref ref="ConsoleAppender" />--> |
| <appender-ref ref="RollingFileAppender" /> |
| </root> |
| </log4net> |
|  |
| <startup> |
| <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.5.2"/> |
| </startup> |
|  |
| <entityFramework> |
| <defaultConnectionFactory type="System.Data.Entity.Infrastructure.LocalDbConnectionFactory, EntityFramework"> |
| <parameters> |
| <parameter value="v13.0"/> |
| </parameters> |
| </defaultConnectionFactory> |
| <providers> |
| <provider invariantName="System.Data.SqlClient" type="System.Data.Entity.SqlServer.SqlProviderServices, EntityFramework.SqlServer"/> |
| <provider invariantName="System.Data.SQLite.EF6" type="System.Data.SQLite.EF6.SQLiteProviderServices, System.Data.SQLite.EF6"/> |
| </providers> |
| </entityFramework> |
|  |
| <system.data> |
| <DbProviderFactories> |
| <remove invariant="System.Data.SQLite.EF6"/> |
| <add name="SQLite Data Provider (Entity Framework 6)" invariant="System.Data.SQLite.EF6" description=".NET Framework Data Provider for SQLite (Entity Framework 6)" type="System.Data.SQLite.EF6.SQLiteProviderFactory, System.Data.SQLite.EF6"/> |
| <remove invariant="System.Data.SQLite"/> |
| <add name="SQLite Data Provider" invariant="System.Data.SQLite" description=".NET Framework Data Provider for SQLite" type="System.Data.SQLite.SQLiteFactory, System.Data.SQLite"/> |
| </DbProviderFactories> |
| </system.data> |
|  |
| <connectionStrings> |
| <add name="OFSOfflineDB" connectionString="metadata=res://\*/Model.OFSOfflineDBContext.csdl|res://\*/Model.OFSOfflineDBContext.ssdl|res://\*/Model.OFSOfflineDBContext.msl;provider=System.Data.SQLite.EF6;provider connection string=&quot;data source=|DataDirectory|\SQLiteDBFile\OFSOfflineDB.db&quot;" |
| providerName="System.Data.EntityClient" /> |
| <add name="Ofs.Crm.Offline.Wpf.Properties.Settings.OFSOfflineDBConnectionString" |
| connectionString="data source= D:\Ashok\BJService\Ofs.Crm.Offline\Ofs.Crm.Offline.Wpf\bin\Debug\SQLiteDBFile\OFSOfflineDB.db" |
| providerName="System.Data.SQLite.EF6" /> |
| </connectionStrings> |
|  |
| <appSettings> |
|  |
| </appSettings> |
|  |
| </configuration> |

**Debug vs Release modes**

<https://www.youtube.com/watch?v=6CCTnMgRixM>



Binaries presdent in OFSOffline folder



**To run setup(.zip) in other Environment/on different machine use - OFSOfflineWSBatFile.bat**

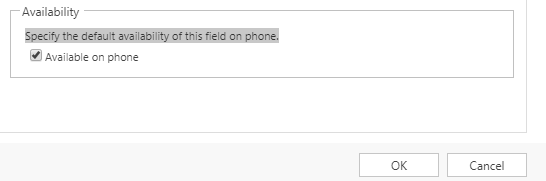
Content of this Bat file –

|  |
| --- |
| set SourcePath=%cd% |
| if not exist "C:\OFSOffline\" mkdir C:\OFSOffline |
| set DestinationPath=C:\OFSOffline |
|  |
| xcopy /S /Y "%SourcePath%\OFSOffline" "%DestinationPath%" |
|  |
| @echo off |
| echo Set oWS = WScript.CreateObject("WScript.Shell") > CreateShortcut.vbs |
| echo sLinkFile = "%HOMEDRIVE%%HOMEPATH%\Desktop\OFSOffline.lnk" >> CreateShortcut.vbs |
| echo Set oLink = oWS.CreateShortcut(sLinkFile) >> CreateShortcut.vbs |
| echo oLink.TargetPath = "%DestinationPath%\OFSOffline\Ofs.Crm.Offline.Wpf.exe" >> CreateShortcut.vbs |
| echo oLink.Description = "OFSOffline Shortcut Link" >> CreateShortcut.vbs |
| echo oLink.Save >> CreateShortcut.vbs |
| cscript CreateShortcut.vbs |
| del CreateShortcut.vbs |
|  |
|  |
| @echo off |
| echo Set oWS = WScript.CreateObject("WScript.Shell") > CreateShortcut.vbs |
| echo sLinkFile = "%HOMEDRIVE%%HOMEPATH%\Start Menu\OFSOffline.lnk" >> CreateShortcut.vbs |
| echo Set oLink = oWS.CreateShortcut(sLinkFile) >> CreateShortcut.vbs |
| echo oLink.TargetPath = "%DestinationPath%\OFSOffline\Ofs.Crm.Offline.Wpf.exe" >> CreateShortcut.vbs |
| echo oLink.Description = "OFSOffline Shortcut Link" >> CreateShortcut.vbs |
| echo oLink.Save >> CreateShortcut.vbs |
| cscript CreateShortcut.vbs |
| del CreateShortcut.vbs |
|  |
| Msg \* "Installation is completed, application shortcut is created on desktop and start menu." |
| After running this .bat , it creates a shortcut on desktop and in Start menu. Use it to open the Crm Offline App. |
| In case App is upgraded to newer version and unable to see the effect, then delete shortcut on desktop and re-install by running .bat again. |

# 10 key components of Dynamics 365

<http://blue-dynamic.eu/10-key-components-dynamics-365/>

**Set Form/Field visibility/availability on mobile/tablet device.**



**Enable CRM Form to be made available on Mobile/Tab device**

Add the Form for Mobile (mobile-express) and the required fields to the form to a solution

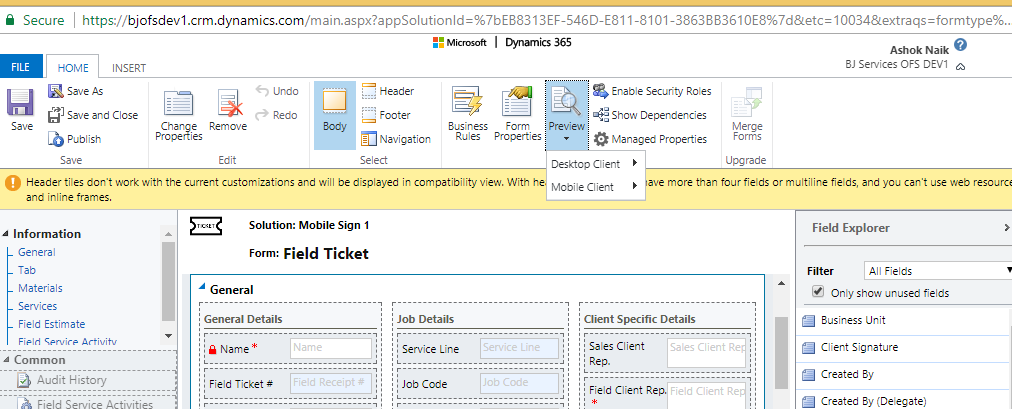
And Set availability of Form at – Entity level in solution.

|  |
| --- |
|  |

|  |
| --- |
|  |

Simulate the effect of new Form and fields on Mobile Or Tab

Choose the main Form – Go to Preview- Mobile/Tab Client



**\*\* If we don’t save the changes on customized form, the published changes won’t be reflected.**

**We need to SAVE form changes and Publish.**

**Add signature field on the Form (ex: FieldTicket form)**

**Create a solution (ex:** MobileSign1) **with main form and**

**Ref:**

[https://community.dynamics.com/crm/b/dynamicscrmbestpractices/archive/2017/05/03/adding-signature-control-on-mobile-and-tablets-in-dynamics-crm](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcommunity.dynamics.com%2Fcrm%2Fb%2Fdynamicscrmbestpractices%2Farchive%2F2017%2F05%2F03%2Fadding-signature-control-on-mobile-and-tablets-in-dynamics-crm&data=02%7C01%7CAshok.Naik%40bjservices.com%7Ccf5ca492c09f4d26ffee08d5d1b1aa48%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636645483405103741&sdata=XZGzKop5EmeGWXHVw57Dtvi%2FLSIAahzi4Tf00AbDWog%3D&reserved=0)

[https://www.inogic.com/blog/2017/01/how-to-show-signature-accepted-using-pen-control-in-reports-html-web-resources-dynamics-crm-365/](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.inogic.com%2Fblog%2F2017%2F01%2Fhow-to-show-signature-accepted-using-pen-control-in-reports-html-web-resources-dynamics-crm-365%2F&data=02%7C01%7CAshok.Naik%40bjservices.com%7Ccf5ca492c09f4d26ffee08d5d1b1aa48%7Cb58096cdc6b24032ae62583ed04c630e%7C0%7C0%7C636645483405103741&sdata=SUmNAV%2FIzH5%2BSpyqnr%2BziF2GhZoig1Tx5NIFbStmdao%3D&reserved=0)

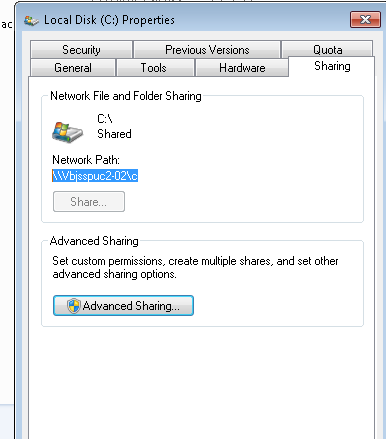
**Add a Hyperlink on the Form**

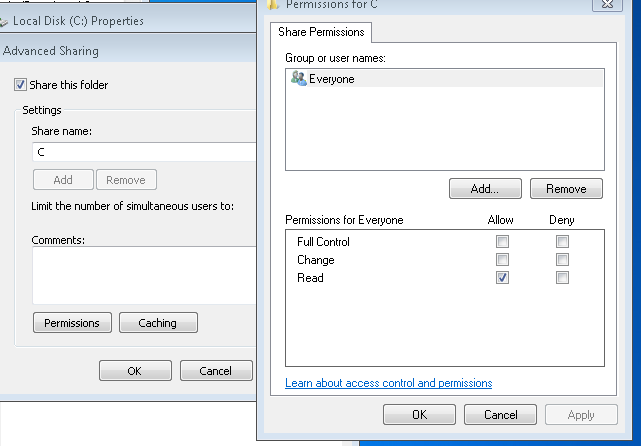
1. Go to Settings -> Customizations🡪 Select a Solution or Customize the System
2. Go to the entity you wish to add the field to.
3. Go to Fields
4. Select New
5. Fill out required information
6. Under Data Type, Select **Single Line of Text**
7. Under Format, Select the appropriate Type - **URL**
8. Save the new field.
9. Put the field on a form.
10. Publish customizations

**To share folders – of VM machines**

* **Enable Servies- Search in Start for “View local services”**
* **Turn Services from Disabled to Automatic mode**

|  |
| --- |
|  |

* **Right click and Start the service**
* **Right click on C:\--> Share with🡪 Advances sharing.. Share with particular user/everyone**
* **Get the share path/location (as highlighted below)-** [\\Vbjsspuc2-02\c](file:///\\Vbjsspuc2-02\c)
* **This path can be accessed from any Infosys machine (in any domain)**
* 



**BUILD errors in VS Solution/Projects**

1. **RDLC related erorrs**

* **Rdlc file not found**
* **"An error occurred during local report processing."**
* **Report file not loading – Blank report**

**Solution1: Make sure RDLC is property, Copy to output directory is set to = Copy Always**

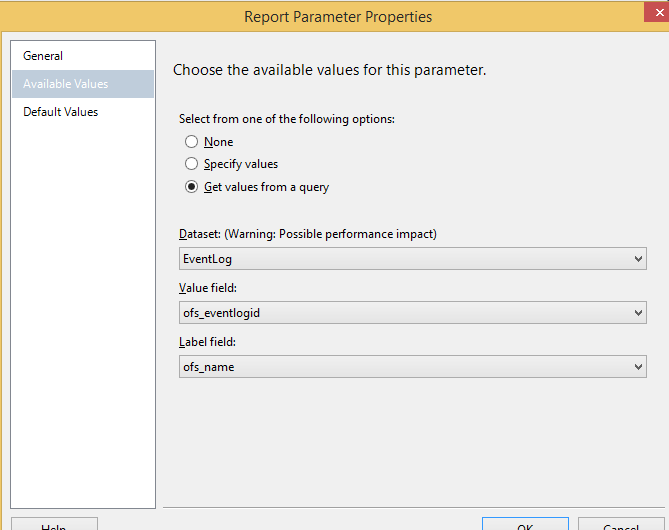
**Solution2: - Check references for the DLLS like Microsoft.ReportViewer.WinForms , Microsoft.ReportViewer.Common etc and refer them from proper locations (ex: lib, package folders)**

**Solution3: - Check report parameters**

* **Query gives proper results but report shows wrong data (no refreshed data)**

Solution1: Check report Parameter

a.Check if correct Dataset is referred.



b. Remove any extra datasources (came along with RDL, when re-using).

c. ReportDataSource has a name and value matches the name in your rdl or rdlc file and same should be used in Xaml.cs file

ReportDataSource reportDataSource = new ReportDataSource("CompactCementingDataSet", \_dsCompactCementing.Tables[0]);

Solution2: Check if the Dataset.xsd used for binding report is proper (not corrupted)

In case it’s corrupted (we can see extra file in dataset when compared with other datasets)

Follow below steps-

Exclude old ds from project. Rename it

Add a new dataset and copy all the queries in new dataset.

Delete old ds.

**DateTime format**

var startTime = string.Format("{0:MM/dd/yyyy HH:mm}", DateTime.Now);

**Offline App Installation batch file**



**POWER-BI**

Introduction

<https://www.youtube.com/watch?v=WGjMWxJfH1k>

https://www.youtube.com/watch?v=6b2firpOzlE

<https://www.youtube.com/watch?v=h6AIAxMEDiw>

Power BI vs SSRS

SSRS-

1. The reports are static/readonly
2. Can be accessed in intranet
3. We don’t have a concept of dashboard
4. Limited sources support- sql, sqlite,

PowerBI

1. Reports are interactive – dynamic filters (ex:
2. We can develop dashboards
3. Supports multiple data-sources -
4. Can be accesses from any where
5. Self service –

Customer /end user can take copy of report/dashboard to his workspace and he can, modify report/D. board and he can create his own report/d.board.

1. Supports almost 50+ sources, 130+ visualizations and easy customizations
2. PBI reports can be deployed to shared