Liberty Reports add-in is developed in VB6, we have to install these using the setup files

Prolog -> su\_lrpm\_1050

Sql -> su\_lrsql\_1050

Sage -> su\_lrsage100contractor\_1050

WMS -> su\_lrwms\_1050

These setup files will extract the files in

**C:\Event1**

And licenses can be extracted to a different folder namely

**C:\Event1 Licenses**

The extracted files install the add-in and installation goes into

**C:\Program Files (x86)\Event 1**

Then with proper databases being set, we can use the Liberty Reports add-in from excel.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For C#.Net

We require the following repositories,

Core

Licensing

LR

Parser

QueryDesigner

These projects are to be cloned from the repository.

Example: I have cloned all these projects in **C:\Projects**

Then we require DotNetZip and Gold Parser in a folder named Untracked

Next we have to update the registry for the connections flavors.

This is done by importing the below set of reg commands

Windows Registry Editor Version 5.00

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Event 1\LR\Flavors]

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Event 1\LR\Flavors\MPS-Prolog]

"Caption"="Meridian Prolog Manager"

"Name"="MPS-Prolog"

"DbFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\SQLServer\\Prolog\\Db\\bin\\Debug\\Event1.LibertyReports.DataProviders.SQLServer.PrologDb.dll"

"UIFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\SQLServer\\Prolog\\UI\\bin\\Debug\\Event1.LibertyReports.DataProviders.SQLServer.PrologUI.dll"

"DbFactoryClass"="Event1.LibertyReports.DataProviders.SQLServer.PrologDbFactory"

"UIFactoryClass"="Event1.LibertyReports.DataProviders.SQLServer.PrologDbUIFactory"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Event 1\LR\Flavors\SMB-Accounting]

"Caption"="Sage 100 Contractor"

"Name"="SMB-Accounting"

"DbFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\VisualFoxPro\\Sage100Contractor\\Db\\bin\\Debug\\Event1.LibertyReports.DataProviders.Sage100Contractor.Db.dll"

"UIFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\VisualFoxPro\\Sage100Contractor\\UI\\bin\\Debug\\Event1.LibertyReports.DataProviders.Sage100Contractor.UI.dll"

"DbFactoryClass"="Event1.LibertyReports.DataProviders.Sage100Contractor.SageDbFactory"

"UIFactoryClass"="Event1.LibertyReports.DataProviders.Sage100Contractor.SageDbUIFactory"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Event 1\LR\Flavors\SQLServer]

"Caption"="SQL Server Database"

"Name"="SQLServer"

"DbFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\SQLServer\\Generic\\Db\\bin\\Debug\\Event1.LibertyReports.DataProviders.SQLServer.Db.dll"

"UIFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\SQLServer\\Generic\\UI\\bin\\Debug\\Event1.LibertyReports.DataProviders.SQLServer.UI.dll"

"DbFactoryClass"="Event1.LibertyReports.DataProviders.SQLServer.SQLDbFactory"

"UIFactoryClass"="Event1.LibertyReports.DataProviders.SQLServer.SQLDbUIFactory"

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\Event 1\LR\Flavors\WMS]

"Caption"="Builder MT - WMS"

"Name"="WMS"

"DbFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\FireBird\\WMS\\Db\\bin\\Debug\\Event1.LibertyReports.DataProviders.FireBird.WMSDb.dll"

"UIFactoryAssembly"="C:\\Projects\\LR\\IDatabase\\FireBird\\WMS\\UI\\bin\\Debug\\Event1.LibertyReports.DataProviders.FireBird.WMSUI.dll"

"DbFactoryClass"="Event1.LibertyReports.DataProviders.FireBird.WMSDbFactory"

"UIFactoryClass"="Event1.LibertyReports.DataProviders.FireBird.WMSDbUIFactory"

In the above commands, replace the **C:\\Projects** with your project location.

Next we need to update registry with proper dll settings for appropriate add-in type (VB6/C#.Net).

This is done by running the below commands from the Command Line Tool with Admin privileges.

The below commands must be executed from

C:\Windows\Microsoft.NET\Framework\v4.0.30319>

For C#.Net

Register: regasm "C:\Projects\LR\Clients.Excel\bin\Debug\Event1.LibertyReports.Clients.Excel.dll" /tlb:.\Event1.LibertyReports.Clients.Excel.tlb /codebase

Unregister: regasm /u "C:\Projects\LR\Clients.Excel\bin\Debug\Event1.LibertyReports.Clients.Excel.dll"

For VB6

Register: regsvr32 "C:\Program Files (x86)\Event 1\Liberty Reports\E1LR.dll"

Unregister: regsvr32 /u "C:\Program Files (x86)\Event 1\Liberty Reports\E1LR.dll"

note: regsvr32 is present in C:\Windows\SysWOW64

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Log file location

C:\ProgramData\Event 1\Common\Log\_(date)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**When C#.Net license expires, what should be done?**

Delete all licenses from **C:\Event1 License\LR** and delete the registry entries under **HKEY\_CURRENT\_USER\Software\Event 1\Common\COM\{96531B59-2740-4E6C-8E98-54AE43A1B3C9}\Cache**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**frmEditDbWizard**

**frmFunctionWizard**

**frmQueryWizard**

**frmConnectionWizard**

**ReshowableWizard**

**Wizard**

**frmNewDbWizard**

**IDbAbstraction**

**DbAbstraction**

**PrologDb**

**WMSDb**

**VisualFoxProDb**

**FireBirdDb**

**SQLServerDb**

**Sage100ContractorVfpDb**

**Sage100ContractorSqlDb**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**IDbUIAbstraction**

**IDbAbstraction**

**VisualFoxProUI**

**SQLServerUI**

**FireBirdUI**

**WMSUI**

**PrologUI**

**Sage100ContractorSqlUI**

**Sage100ContractorVfpUI**

**DbUIAbstraction**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ucClientServerDbSelector**

**IDbSelector**

**ucFireBirdDbSelector**

**ucSQLDbSelector**

**ucVFPDbSelector**

**ucSage100ContractorVfpDbSelector**

**ucPrologDbSelector**

**ucSage100ContractorSQLDbSelector**

**ucWMSDbSelector**

**IDbFactory**

**SQLDbFactory**

**WMSDbFactory**

**SageDbFactory**

**PrologDbFactory**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**IDbUIFactory**

**WMSDbUIFactory**

**SQLDbUIFactory**

**SageDbUIFactory**

**PrologDbUIFactory**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**cConnectionNameAlias**

**cConnectionName**

cConnection

WorkbookFunctionResults

**IConnection**

**cConnectionNames**

Dictionary of String, cConnectionName

LrNetworkConnections

LrWorkbookConnections

**cConnection**

DbUIAbstraction

wCommands

wRecordsets

Actual connection to database, LR database functions

**ConnectionListAbstraction**

Inherits List of ConnectionAbstraction

**ConnectionAbstraction**

**LrNetworkConnections**

**LrConnections**

Inherits List of LrConnection

**LrConnection**

**LrWorkbookConnections**

**Flavor**

**LRFlavor**

**IFlavor**

Flavors help in retrieving DbFactory and UIFactory from the registry in form of plain strings.

Flavor converts those strings actual instances of appropriate DbFactory and UIFactory using reflection.

LRFlavor helps in retrieving appropriate DbUI instances.

**Flavors<T>**

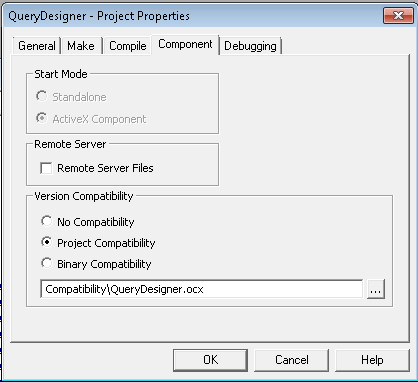
**IKeyedItem**

**SimpleCollection<T>**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**How to make any VB6 project debuggable in VB6 group projects?**

We have to set version compatibility for that particular. And get the .ocx file from the Event1 team (Ian Crane)



**frmNewDbWizard Steps involved:**

Name Control Inner Steps

“Connection Type” (cProdTypeStepKey) ucStepProductTypes (ucProductTypes) none

“Database” (cDbSelectorStepKey) IDbSelector (mDbSelectorControl) IDbSelector’s steps

“Caption” (cDatabaseNameStepKey) ucStepDatabaseName (ucDbName) none

**NavStep events:**

EventHandler Changed

EventHandler Selected

**NavSteps events:**

EventHandler OnStepsChanged

EventHandler OnParentStepsChanged

NavStepEventHandler OnStepChanged

BooleanEventHandler CanNavigateChanged

CancelNavStepEventHandler BeforeNavigate

NavStepEventHandler OnNavigate

NavStepEventHandler AfterNavigate

IndexedXmlElement

Column

Table

XMLCollection<T>

T: IndexedXmlElement

SelectColumn

OrderByColumn

Columns

T: Column

SelectColumns

T: SelectColumn

FromTables

T: Table

GroupByColumn

GroupByColumns

T: GroupByColumn

ColumnsClause<T, U>

T: Columns<U>

U: Column

SelectClause

T: SelectColumns

U: SelectColumn

OrderByClause

T: OrderByColumns

U: OrderByColumn

GroupByClause

T: GroupByColumns

U: GroupByColumn

FromClause

WhereClause

JoinOnColumns

T: Column

OrderByColumns

T: OrderByColumn

frmQueryWizard

ucQuery [ucQueryDesigner]

* tlpQD [NoFlickerTableLayoutPanel]
* ucSimpleTableList [ucSimpleTableList]
* MultiTableColumnsList1 [ucMultiTableColumnsList]
* ucSplitter1 [ucHorizontalSplitter]
* queryPreview1 [ucQueryPreview]
* ucWhereBuilder1 [ucWhereBuilder]
* ucGroupBy1 [ucGroupBy]
* ucOrderBy1 [ucOrderBy]
* toolTipQD [ToolTip]
* imglDragIcons [ImageList]

ucStepQueryOptions

ToolTip