**2017年2月15日 16:01 启动框架搭建**

**1、创建新的解决方案**

**2、添加WPF Project**

**3、添加Plugin Project，并修改其应用程序属性OutputType为：ClassLibrary**

设置：1：Build Events -> Post-build event command line ：（该命令创建Plugins文件到主项目SHELL的bin\debug\目录下）

if not exist "$(SolutionDir)XIAOWEN.SHELL\bin\Debug\Plugins" mkdir "$(SolutionDir)XIAOWEN.SHELL\bin\Debug\Plugins" copy "$(TargetPath)" "$(SolutionDir)XIAOWEN.SHELL\bin\Debug\Plugins"

2：然后修改Post-build event command line为：

xcopy /Y /I "$(TargetPath)" "$(SolutionDir)XIAOWEN.SHELL\bin\Debug\Plugins"

**4、生成的Plugins\目录及项目\*.dll文件**

**5、添加Log4Net，并进行配置及填写通用Logger类，该Log数据操作，防止在项目DATA项目中，目的是将对数据的操作工能均置于该项目下，使得项目结构清晰易读**

**6、添加Prism和Mef组件，该组件可通过NuGet获取，NeGet会自动下载所有依赖组件**

**7、在运行Release版本的时候，我们想要做更多的事情，包括使用mef下的MefBootstrapper，**

**8、添加INFRASTRUCTURE Project，并为其引用Prism.Wpf**

图3：Plugin1 Project，修改Properties -> Application -> Output Type : Class Library

MEFSCHEMA 
Edit View 
Microsoft Visual Studio (Administrator) 
Project 
Build Debug Team Tools Visua[SVN 
Debug 
Any CPU 
Architecture Test 
XIAOWEN.SHELL 
XIAOWEN.SHELL 
Analyze 
DevExpress Window 
Start 
X 
Help 
MainWindow.xamI.cs 
XIAOWEN.PLUGINI* 
Application 
Build 
Build Events* 
Debug 
Resources 
Services 
Settings 
Reference Paths 
Signing 
Security 
Publish 
Code Analysis 
Object Browser 
Configuration: N/A 
Assembly name: 
PLUGINI 
Target framework: 
.NET Framework 4.5 
Startup Abject: 
(Not set) 
Resources 
NuGet: XIAOWEN.SHELL 
Platform: N/A 
Default namespace: 
XIAOWEN.PLUGINI 
Output type: 
Class Library 
MainWindow.xamI 
Assembly Information... 
Quick Launch (Ctrl+Q) 
Solution Explorer 
Search Solution Explorer (Ctrl+,•) 
Solution 'MEFSCHEMA' (2 projects) 
@ XIAOWEN.PLUGINI 
@ XIAOWENSHELL 
Properties 
• References 
App.config 
App.xaml 
MainWindow.xamI 
pac kages nfig 
Specify how application resources will be managed: 
@ Icon and manifest 
A manifest determines specific settings for an application. To embed a custom manifest, first add it to 
your project and then select it from the list below. 
Icon: 
Manifest: 
O 
Resource file: 
Solution Explorer 
Team Explorg_ 
Output 
Error List 
Find Results I 
Find Symbol Results 
Sign in 
Publish 

图4：生成Plugins\目录，Build项目后，\*.dll动态库被Copy到该目录下，（个人理解类似。。架构）

Computer 
Open 
LOCALSOURCE 
OOSENSINGTESTDIR 
FACEMEF 
Organize 
Subversion 
Videos 
Include in library 
Name 
Plugins 
log4net.dII 
log4net.xmI 
Share with 
Homegroup 
Computer 
CODEPU8LISH 
CODESOURCE 
Microsoft. P ractices Se Nice Locatio n .dll 
Microsoft. Practices ServiceLocation.pdb 
Microsoft. Practices ServiceLocation.xmI 
Prism.dll 
Prism.Mef.Wpf.dII 
Prism.Mef.Wpf.xmI 
Prism.Wpf.dll 
Prism.Wpf.xmI 
KMSpico Instal 
Prism.xml 
LOCALSOURCE 
SHELL.exe 
OOSENSINGPF 
SHELL. exe. config 
New folder 
Date modified 
2017/2/1516:36 
2017/1/2 6:32 
2014/5/5 11:25 
2014/5/5 11:25 
2014/5/5 11:25 
2016/8/917:34 
2016/8/917:34 
2016/8/917:34 
2016/8/917:34 
2016/8/917:34 
2016/8/917:34 
2017/2/15 16:47 
2017/2/15 15:52 
Computer LOCALSOURCE OOSENSINGTESTDIR 
FACEMEF 
MEFSCHEMA 
Type 
File folder 
DLL File 
XML Document 
DLL File 
PD8 File 
XML Document 
DLL File 
DLL File 
XML Document 
DLL File 
XML Document 
XML Document 
Application 
XML Configuration. 
MEFSCHEMA 
Type 
DLL File 
DLL File 
XIAOWEN.SHELL 
Size 
270 KB 
1,511 KB 
18 KB 
24 KB 
16 KB 
34 KB 
31 KB 
43 KB 
138 KB 
320 KB 
84 KB 
10 KB 
XIAOWEN.SHELL 
Size 
bin 
Debug 
Debug 
Plugins 
Search Debug 
Search Plugins 
Organize 
Favorites 
Include in library 
Name 
Share with 
New folder 
PLUGINI .dll 
XIAOWEN.DATA.dll 
Date modified 
2017/2/15 16:36 
2017/2/15 16:47 
OneDrive 
Recent Places 

图5：Log4Net相关内容

My800tstrapper.cs 
@XIAOWEN.DATA 
78 
79 
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88 
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95 
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leo 
MEFSCHEMA 
Edit View 
• System.Core 
• System.Data 
• System.XmI 
null) 
- Microsoft Visual Studio (Administrator) 
Project Build Debug Team Tools Visua[SVN 
Debug 
Any CPU 
Quick Launch (Ctrl+Q) 
Architecture Test 
XIAOWEN.SHELL 
Analyze 
XIAOWEN.DATA 
XIAOWEN.PLUGINI 
Logger.cs -a 
x 
LaunchConfig.cs 
DevExpress Window 
Start 
App.xaml.cs 
Help 
NuGet: XIAOWEN.SHELL 
XIAOWEN.DATA.Log.Logger 
summary 
/// Log information . 
/// </summary> 
/// <param name="message" >lnformation 
3 references 
public static void Info(string tiptop, 
message 
params 
. < / param> 
object [ ] 
Error(string message, Exception exception) 
err 
— string. Format (tiptop, err) ; 
string message 
if 
if 
if 
(message 
return, 
(file Logger 
null) 
null) 
InitializaLogger() 
(file Logger 
fileLogger. Info(message) ; 
Solution Explorer 
Search Solution Explorer (Ctrl+,•) 
Solution 'MEFSCHEMA' (4 projects) 
@ XIAOWEN.DATA 
Properties 
References 
Analyzers 
• log4net 
• Microsoft.CSharp 
• PresentationCore 
• PresentationFramework 
• System 
• System.Data.DataSetExtensions 
• System.Net.Http 
• System.XamI 
• System.XmI.Linq 
• Windows Base 
Logger.cs 
packages.config 
README.ownmd 
XIAOWEN.PLUGINI 
O XIAOWEN.SHARE 
XIAOWEN.SHELL 
Solution Explorer 
Team Explorer 
121 
Output 
Error List 
Find Results I 
Find Symbol Results 
Ln68 
Col 17 
Ch17 
Sign in 
Publish 

图6：prism.mef下载的同时，会下载prism所有依赖包

My800tstrapper.cs 
XIAOWEN.DATA 
MEFSCHEMA 
Edit View 
• System.Core 
• System.Data 
• System.XmI 
Microsoft Visual Studio (Administrator) 
Project Build Debug Team 
Debug 
Quick Launch (Ctrl+Q) 
Tools Visua[SVN 
Any CPU 
Architecture Test 
XIAOWEN.SHELL 
Analyze 
XIAOWEN.PLUGINI 
Logger.cs 
LaunchConfig.cs 
DevExpress Window 
Start 
App.xaml.cs 
Help 
NuGet: XIAOWEN.SHELL -E X 
Browse 
MEF 
Installed Updates 
C] Include prerelease 
NuGet Package Manager: XIAOWEN.SHELL 
Package source: nuget.org 
Prism.Mef by Brian Lagunas, Brian Noyes, 20.7K downloads 
@ MEF extensions for Prism. 
CslaContrib-MEF by CsIaContrib, 1.53K downloads 
Extends CSLA .NET framework with MEF support for Repository and ObjectFactory data 
access. 
MefContrib by MefContrib, 33.4K downloads 
MEF Contrib is a community-developed library of extensions to the Managed Extensibility 
Framework (MEF). 
MefContrib.Integration.Unity by MefContrib, 12.6K downloads 
Managed Extensibility Framework (MEF) and Unit/ integration. 
Kephas.Composition.Mef by Quartz Software SRL, 1.15K downloads 
Provides the composition services implementation using the MEF for Windows Store 
framework. 
MefContrib.Integration.Autofac by MefContrib, 2.45K downloads 
Managed Extensibility Framework (MEF) and Autofac integration. 
MefContrib.Interception.Castle by MefContrib, 3.67K downloads 
Managed Extensibility Framework (MEF) interception support using Catle.Core. 
Error List Find Results I Find Symbol Results 
@ v6.20 
v46400 
vi221 
vi221 
v30g 
vi221 
vi221 
Installed: 
Ve rsion: 
6.2.o 
610 
Uninstall 
Update 
Options 
Description 
Use these extensions to build Prism applications based 
on MEF. 
Ve rsion: 
Author(s): 
Date published: 
Project U RL: 
Report Abuse: 
Tags: 
610 
Brian Lagunas, Brian Noyes 
https://github.com/PrismLibrary/ 
Prism/bIob/master/LICENSE 
Wednesday, October 14, 2015 
(10/14/2015) 
http://prismlibrary.com/ 
https://www.nuget.org/packages/ 
Prism.Mef/6.I .0/ReportAbuse 
mwm, prism, wpf, mef 
. NET F = v4.5 
Prism.Wpf = 6.1.0) 
CommonServiceLocator 13.0) 
Solution Explorer 
Search Solution Explorer (Ctrl+,•) 
O XIAOWEN.SHARE 
XIAOWEN.SHELL 
Properties 
References 
Analyzers 
• Microsoft.CSharp 
Microsoft. Practices ServiceLocation 
• PresentationCore 
• PresentationFramework 
• Prism 
Prism.Mef.Wpf 
Prism.Wpf 
• System 
• System.Data.DataSetExtensions 
• System.Net.Http 
• System.Windows.Interactivit,' 
• System.XamI 
• System.XmI.Linq 
Windows8ase 
XIAOWEN.DATA 
Config 
C* LaunchConfig.cs 
C* My800tstrapper.cs 
Themes 
UserControIs 
ViewModeIs 
Views 
Solution Explorer 
Team Explorg_ 
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Sign in 
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MEFSCHEMA 
Edit View 
Microsoft Visual Studio (Administrator) 
project Build Debug Team 1001s Visua[SVN 
Debug 
Any CPU 
Quick Launch (Ctrl+Q) 
Architecture Test 
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Logger.cs 
App.xaml.cs 
Help 
Nu Get: 
My800tstrapper.cs* X 
XIAOWEN.DATA 
@XIAOWENSHELL 
LaunchConfig.cs 
XIAOWEN.SHELL 
,XIAOWEN.SHELL.Config.My800tstrapper 
1 
2 
3 
4 
5 
6 
7 
8 
1 
Eusing 
using 
using 
using 
using 
System; 
System. Collections . Generic ; 
System. Linq; 
System. Text; 
System. Threading. Tas ks; 
Enamespace XIAOWEN. SHELL. Config 
O references 
public class 
My800tstrapper 
using Prism.Mef; 
1 
Prism. Mef. M ef800tstrapper 
1 
Generate type 
1 
Change 'Mef800tstrapper' to 'My800tstrapper'. 
CS0246 The type or namespace name 'Mef800tstrapper' could not be 
Solution Explorer 
Search Solution Explorer (Ctrl+,•) 
Solution 'MEFSCHEMA' (4 projects) 
@ XIAOWEN.DATA 
XIAOWEN.PLUGINI 
O XIAOWENSHARE 
XIAOWEN.SHELL 
Properties 
References 
Config 
C* LaunchConfig.cs 
C* My800tstrapper.cs 
Themes 
UserControIs 
ViewModeIs 
Views 
App.config 
App.xaml 
App.xaml.cs 
LoginWindow.xamI 
LoginWindow.xamI.cs 
packages.config 
121 
Output 
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Error List 
Find Results I 
found (are you missing a using directive or an assembly reference?) 
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Preview changes 
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Team Explorg_ 
Find Symbol Results 
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Ch48 
Sign in 
Publish 

图8：

NuGet: XIAOWEN.INFRASTRUCTURE -E X 
AutoP opulateExportedViews8ehavior.cs 
MEFSCHEMA 
Edit View 
• System.Core 
• System Data 
• System.XmI 
' packages config' 
Microsoft Visual Studio (Administrator) 
Project Build Debug Team 
Debug 
Quick Launch (Ctrl+Q) 
Tools Visua[SVN 
Any CPU 
Architecture Test 
XIAOWEN.SHELL 
Analyze 
DevExpress Window 
Start 
My800tstrapper.cs 
Help 
MainWindow.xamI 
Logger.cs 
Browse 
Prism 
Installed Updates 
C] Include prerelease 
NuGet Package Manager: XIAOWEN.INFRASTRUCTURE 
Package source: nuget.org 
Date published: Wednesday, October 14, 2015 
Prism Core by Brian Lagunas, Brian Noyes, 180K downloads 
Prism provides an implementation of a collection of design patterns that are helpful in 
writing well structured and maintainable applications. 
Prism.Wpf by Brian Lagunas, Brian Noyes, 109K downloads 
@ Prism libraries related to user interface composition, regions, and modularity for WPF. 
Prism Unity.Forms by Brian Lagunas, Brian Noyes, 19.5K downloads 
Unit/ extensions for Prism for Xamarin.Forms. 
Output 
Show output from: 
Package Manager 
Iving acti ons 
to install package 
s to install package 
O v6.20 
@ v6.20 
v6.20 
Project U RL: 
Report Abuse: 
Tags: 
(10/14/2015) 
http://prismlibrary.com/ 
https://www.nuget.org/packages/ 
Prism.Wpf/6.I .0/ReportAbuse 
uwp, xaml, mwm, wpf, uap, prism, 
xamann 
. NET F = v4.5 
Prism.Core = 6.1.0) 
CommonServiceLocator 13.0) 
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Successfully 
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Installed ' 
m wpf 
D: ackages' 
config' 
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D: ackages' 
to ' config' 
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Error List 
Output 
Find Results I 
Find Symbol Results 
Solution Explorer 
Search Solution Explorer (Ctrl+,•) 
Solution 'MEFSCHEMA' (5 projects) 
@ XIAOWEN.DATA 
@ XIAOWENJNFRASTRUCTURE 
Properties 
References 
Analyzers 
Microsoft.CSharp 
Microsoft. Practices ServiceLocation 
• Prism 
Prism.Wpf 
• System 
• System.ComponentModeI.Composition 
• System.Data.DataSetExtensions 
• System.Net.Http 
• System.Windows.Interactivit,' 
• System.XmI.Linq 
Behaviors 
packages.config 
XIAOWEN.PLUGINI 
O XIAOWEN.SHARE 
XIAOWEN.SHELL 
Properties 
References 
Analyzers 
Microsoft.CSharp 
Microsoft.Practices.ServiceLocation 
PresentationCore 
presentationFramework 
Solution Explorer 
Team Explorer 
Sign in 
Publish 