

Using Roslyn - Weird version upgrade problem

when upgraded to latest version of Roslyn Assemblies I started having this problem:

```
var sourceFolder = @"E:\O2_V4\O2.FluentSharp\O2.FluentSharp.CoreLib";
var solutionFile = sourceFolder.pathCombine(@"O2.FluentSharp.CoreLib.sln");
```

```
IWorkspace workspace = Workspace.LoadSolution(solutionFile);
```

the error is **Unable to cast transparent proxy to type 'Roslyn.Utilities.SerializableDataStorage'. Unable to cast transparent proxy to type 'Roslyn.Utilities.SerializableDataStorage'.**

here is the full stack trace (main and inner exceptions)

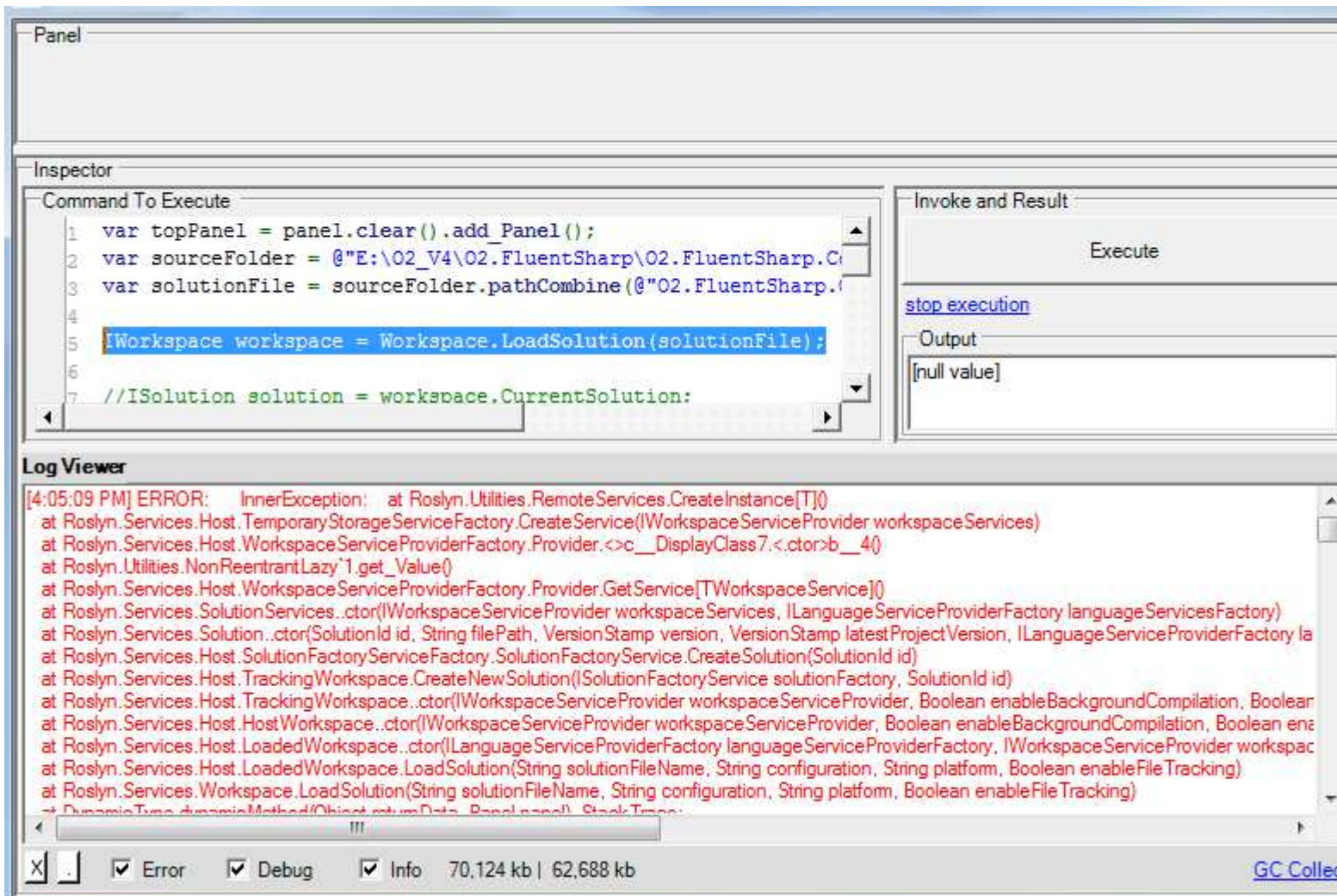
```
[4:10:11 PM] ERROR: InnerException: at Roslyn.Utilities.RemoteServices.CreateInstance[T]()
  at Roslyn.Services.Host.TemporaryStorageServiceFactory.CreateService(IWorkspaceServiceProvider workspaceServices)
  at Roslyn.Services.Host.WorkspaceServiceProviderFactory.Provider.<>c__DisplayClass7.<.ctor>b__4()
  at Roslyn.Utilities.NonReentrantLazy`1.get_Value()
  at Roslyn.Services.Host.WorkspaceServiceProviderFactory.Provider.GetService[TWorkspaceService]()
  at Roslyn.Services.SolutionServices..ctor(IWorkspaceServiceProvider workspaceServices, ILanguageServiceProviderFactory
languageServicesFactory)
  at Roslyn.Services.Solution..ctor(SolutionId id, String filePath, VersionStamp version, VersionStamp latestProjectVersion,
ILanguageServiceProviderFactory languageServiceProviderFactory, IWorkspaceServiceProvider workspaceServices)
  at Roslyn.Services.Host.SolutionFactoryServiceFactory.SolutionFactoryService.CreateSolution(SolutionId id)
  at Roslyn.Services.Host.TrackingWorkspace.CreateNewSolution(ISolutionFactoryService solutionFactory, SolutionId id)
  at Roslyn.Services.Host.TrackingWorkspace..ctor(IWorkspaceServiceProvider workspaceServiceProvider, Boolean enableBackgroundCompilation,
Boolean enableInProgressSolutions)
  at Roslyn.Services.Host.HostWorkspace..ctor(IWorkspaceServiceProvider workspaceServiceProvider, Boolean enableBackgroundCompilation, Boolean
enableInProgressSolutions, Boolean enableFileTracking)
  at Roslyn.Services.Host.LoadedWorkspace..ctor(ILanguageServiceProviderFactory languageServiceProviderFactory, IWorkspaceServiceProvider
workspaceServiceProvider, IProjectFileService projectFileFactsService, IDictionary`2 globalProperties, Boolean enableBackgroundCompilation, Boolean
enableFileTracking)
  at Roslyn.Services.Host.LoadedWorkspace.LoadSolution(String solutionFileName, String configuration, String platform, Boolean enableFileTracking)
  at Roslyn.Services.Workspace.LoadSolution(String solutionFileName, String configuration, String platform, Boolean enableFileTracking)
  at DynamicType.dynamicMethod(Object returnData) StackTrace:
```

```
  at Roslyn.Utilities.RemoteServices.CreateInstance[T]()
  at Roslyn.Services.Host.TemporaryStorageServiceFactory.CreateService(IWorkspaceServiceProvider workspaceServices)
  at Roslyn.Services.Host.WorkspaceServiceProviderFactory.Provider.<>c__DisplayClass7.<.ctor>b__4()
  at Roslyn.Utilities.NonReentrantLazy`1.get_Value()
  at Roslyn.Services.Host.WorkspaceServiceProviderFactory.Provider.GetService[TWorkspaceService]()
  at Roslyn.Services.SolutionServices..ctor(IWorkspaceServiceProvider workspaceServices, ILanguageServiceProviderFactory
languageServicesFactory)
  at Roslyn.Services.Solution..ctor(SolutionId id, String filePath, VersionStamp version, VersionStamp latestProjectVersion,
ILanguageServiceProviderFactory languageServiceProviderFactory, IWorkspaceServiceProvider workspaceServices)
  at Roslyn.Services.Host.SolutionFactoryServiceFactory.SolutionFactoryService.CreateSolution(SolutionId id)
  at Roslyn.Services.Host.TrackingWorkspace.CreateNewSolution(ISolutionFactoryService solutionFactory, SolutionId id)
  at Roslyn.Services.Host.TrackingWorkspace..ctor(IWorkspaceServiceProvider workspaceServiceProvider, Boolean enableBackgroundCompilation,
Boolean enableInProgressSolutions)
  at Roslyn.Services.Host.HostWorkspace..ctor(IWorkspaceServiceProvider workspaceServiceProvider, Boolean enableBackgroundCompilation, Boolean
enableInProgressSolutions, Boolean enableFileTracking)
  at Roslyn.Services.Host.LoadedWorkspace..ctor(ILanguageServiceProviderFactory languageServiceProviderFactory, IWorkspaceServiceProvider
workspaceServiceProvider, IProjectFileService projectFileFactsService, IDictionary`2 globalProperties, Boolean enableBackgroundCompilation, Boolean
enableFileTracking)
  at Roslyn.Services.Host.LoadedWorkspace.LoadSolution(String solutionFileName, String configuration, String platform, Boolean enableFileTracking)
  at Roslyn.Services.Workspace.LoadSolution(String solutionFileName, String configuration, String platform, Boolean enableFileTracking)
  at DynamicType.dynamicMethod(Object returnData)
```

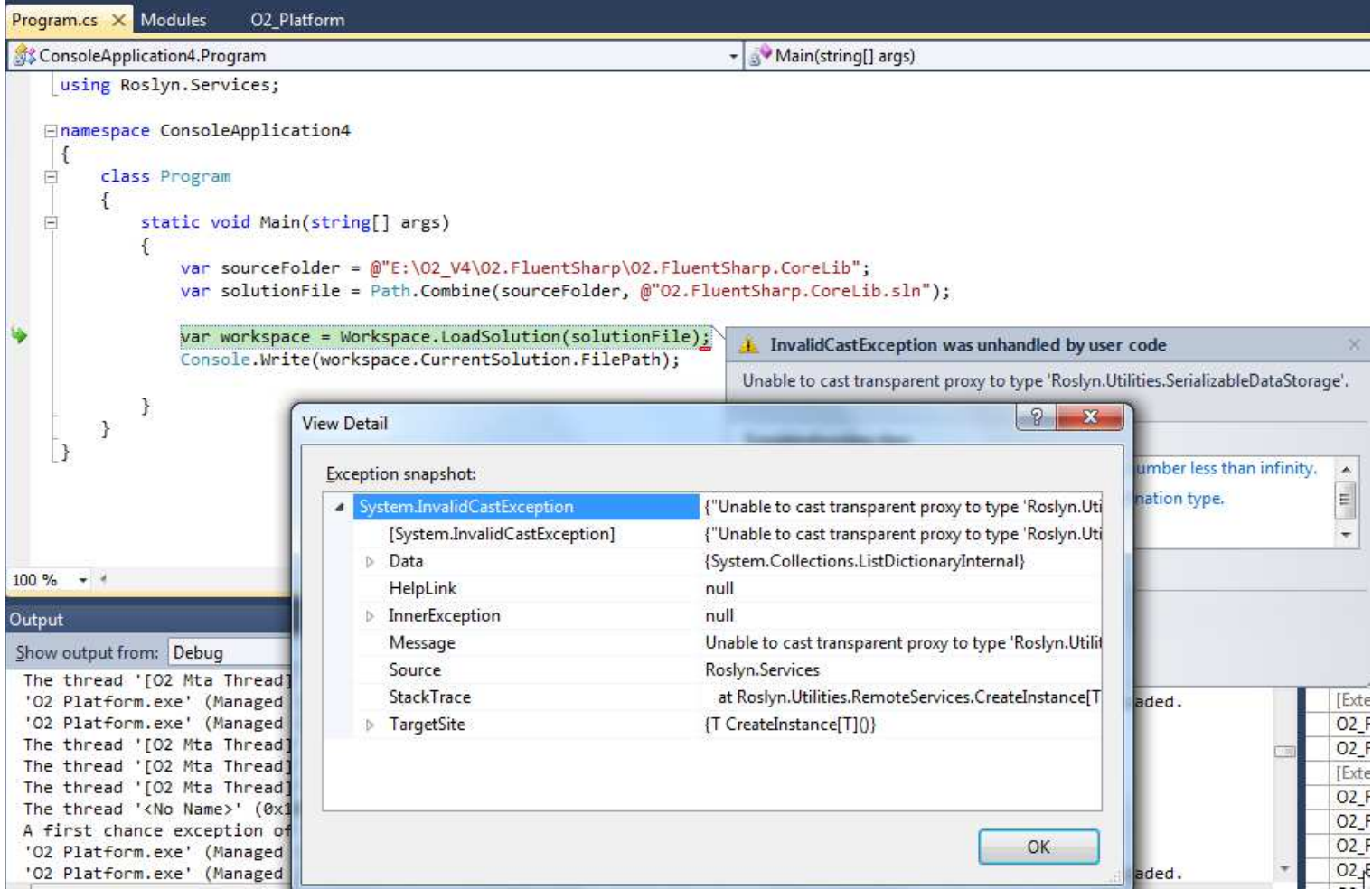
[4:10:11 PM] ERROR: InnerException: **Unable to cast transparent proxy to type 'Roslyn.Utilities.SerializableDataStorage'. Unable to cast transparent proxy to type 'Roslyn.Utilities.SerializableDataStorage'.**

[4:10:11 PM] ERROR: in reflection.invokeMethod_InstanceStaticPublicNonPublic StackTrace:

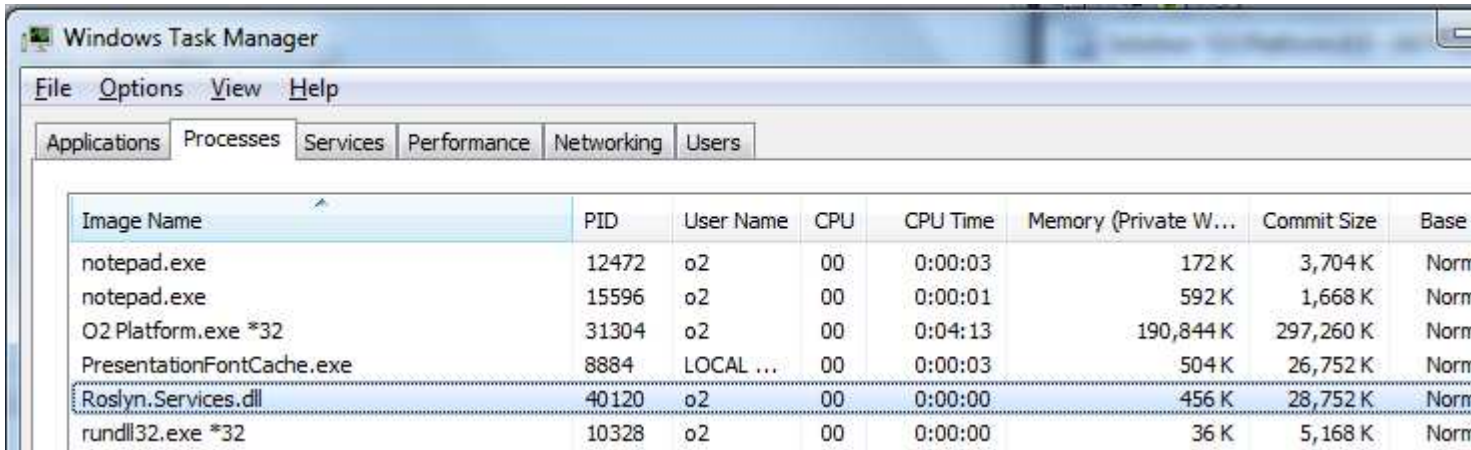
```
  at System.RuntimeMethodHandle._InvokeMethodFast(IRuntimeMethodInfo method, Object target, Object[] arguments, SignatureStruct& sig,
MethodAttributes methodAttributes, RuntimeType typeOwner)
  at System.RuntimeMethodHandle.InvokeMethodFast(IRuntimeMethodInfo method, Object target, Object[] arguments, Signature sig, MethodAttributes
methodAttributes, RuntimeType typeOwner)
  at System.Reflection.RuntimeMethodInfo.Invoke(Object obj, BindingFlags invokeAttr, Binder binder, Object[] parameters, CultureInfo culture, Boolean
skipVisibilityChecks)
  at System.Reflection.RuntimeMethodInfo.Invoke(Object obj, BindingFlags invokeAttr, Binder binder, Object[] parameters, CultureInfo culture)
  at System.Reflection.MethodBase.Invoke(Object obj, Object[] parameters)
  at O2.Kernel.InterfacesBaseImpl.KReflection.invoke(Object oLiveObject, MethodInfo methodInfo, Object[] methodParameters) in e:\O2_V4
\O2.FluentSharp\O2.FluentSharp.CoreLib\O2_Kernel\InterfacesBaseImpl\KReflection.cs:line 904
```



Here is the exception showing up a debugging session inside VisualStudio:



While trying to debug this I found that there was a Roslyn.Services.dll process started



Here is the process details

O2 Platform.exe	31304	18.15	"E:\O2_V4\O2.Platform.Projects\binaries\O2 Platform.exe"	
Roslyn.Services.dll	40120		"E:\O2_V4\O2_V4_TempDir\ToolsOrApis\Roslyn\lib\net40\Roslyn.Services.dll"	5a6a6014-ddd1-4ef6-84ca-13d18289820e
procexp.exe	30072		"E:\O2_V4\O2_V4_TempDir\ToolsOrApis\ProcessExplorer.exe"	
resmon64.exe				

Name	Description	Company Name	Version	Path
Roslyn.Services.dll		Microsoft Corporation	1.1.20524.4	E:\O2_V4\O2_V4_TempDir\ToolsOrApis\Roslyn\lib
usp10.dll	Uniscribe Unicode script processor	Microsoft Corporation	1.626.7601.17514	C:\Windows\System32\usp10.dll
user32.dll	Multi-User Windows USER API Cli...	Microsoft Corporation	6.1.7601.17514	C:\Windows\System32\user32.dll
shlwapi.dll	Shell Light-weight Utility Library	Microsoft Corporation	6.1.7601.17514	C:\Windows\System32\shlwapi.dll
sechost.dll	Host for SCM/SDDL/LSA Lookup ...	Microsoft Corporation	6.1.7600.16385	C:\Windows\System32\sechost.dll
rsaenh.dll	Microsoft Enhanced Cryptographic...	Microsoft Corporation	6.1.7600.16385	C:\Windows\System32\rsaenh.dll
rpcrt4.dll	Remote Procedure Call Runtime	Microsoft Corporation	6.1.7601.17514	C:\Windows\System32\rpcrt4.dll
psapi.dll	Process Status Helper	Microsoft Corporation	6.1.7600.16385	C:\Windows\System32\psapi.dll
oleaut32.dll		Microsoft Corporation	6.1.7601.17676	C:\Windows\System32\oleaut32.dll
ole32.dll	Microsoft OLE for Windows	Microsoft Corporation	6.1.7601.17514	C:\Windows\System32\ole32.dll
ntdll.dll	NT Layer DLL	Microsoft Corporation	6.1.7601.17725	C:\Windows\System32\ntdll.dll
msvcrt.dll	Windows NT CRT DLL	Microsoft Corporation	7.0.7601.17744	C:\Windows\System32\msvcrt.dll
msvcr100_clr0400.dll	Microsoft® C Runtime Library	Microsoft Corporation	10.0.30319.1	C:\Windows\System32\msvcr100_clr0400.dll
msctf.dll	MSCTF Server DLL	Microsoft Corporation	6.1.7600.16385	C:\Windows\System32\msctf.dll
mscorlib.dll	Microsoft .NET Runtime Execution...	Microsoft Corporation	4.0.40305.0	C:\Windows\System32\mscorlib.dll
link.dll	Language Pack	Microsoft Corporation	6.1.7600.16385	C:\Windows\System32\link.dll

And once I stopped it, the Workspace loading works again

Panel

Inspector

Command To Execute

```

1
2  var sourceFolder = @"E:\O2_V4\O2.FluentSharp\O2.F
3  var solutionFile = sourceFolder.pathCombine(@"O2.
4
5  IWorkspace workspace = Workspace.LoadSolution(sol
6
7  return workspace;
8  //O2File:API_Roslyn.cs
9  //using System.Threading
10 //using Roslyn.Services
11
12 //O2Ref:Roslyn\lib\net40\Roslyn.Utilities.dll
13 //O2Ref:Roslyn\lib\net40\Roslyn.Services.dll
14 //O2Ref:Roslyn\lib\net40\Roslyn.Compiler.dll

```

Invoke and Result

Execute

[stop execution](#)

Output

Misc

CurrentInF

CurrentSo

CurrentInProgressSolution