Parijat .Net Drivers Installation-Usage Guide

-using ParModEther.dll as a reference

Installation and Usage Guide

Software Version: 1.00

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Installation and Deployment Guide information

The purpose of this document is to provide the System Administrator or any other technical stakeholder with a complete and easy to use steps to install, test & develop using Parijat Driver DLL, applicable for multiple environments. It is intended to provide installation instructions to any stakeholder that has an interest or a role in the project to use the driver in different environments.

Installation Guide guidelines

Acknowledgements

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1 Introduction

1.1 Purpose

The purpose of this Installation and Deployment Guide is to describe in technical terms the steps necessary to use the Driver DLL and make it operational.

1.2 Intended audience and reading suggestions

This Installation and Deployment Guide is intended to be used by Developers who are having basic knowledge of project development in MS Visual Studio and desire to use Parijat drivers DLLs.

1.3 References

Reference No.	Document	Author(s)
REF-1	Download Visual Studio	Microsoft
REF-2	.Net Eco System	Parijat
REF-3	Microsoft .NET Framework 4.7 (Standalone Installer)	Microsoft

2 Driver DLL Installation

Parijat's Drivers does not require installing it on the computer. It comes in a compressed file & need to uncompressed it & ready to go for the development.

3 Driver DLL Usage

Microsoft Visual Studio 2017 (.Net Framework 4.7, .Net Standard 2.0 installed) has been used as development environment for creating sample projects while preparing this help file.

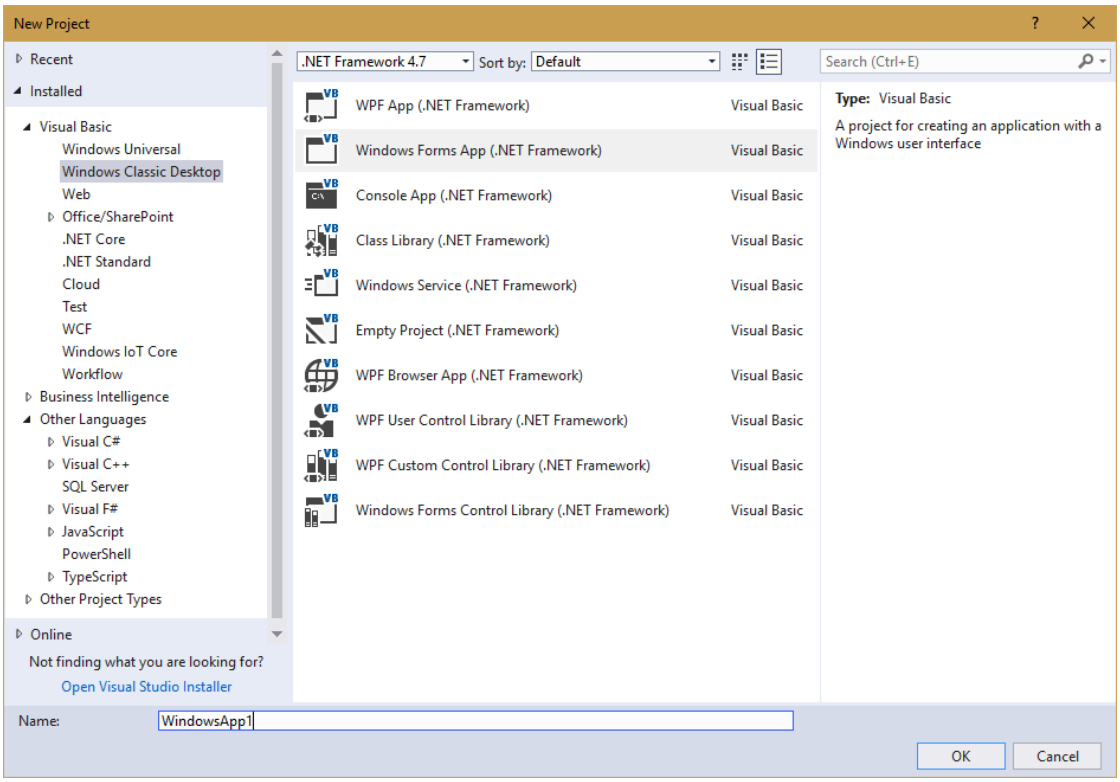
3.1 Windows Form App (.Net Framework)

3.1.1 Prerequisites

.Net Framework 4.5 or Newer

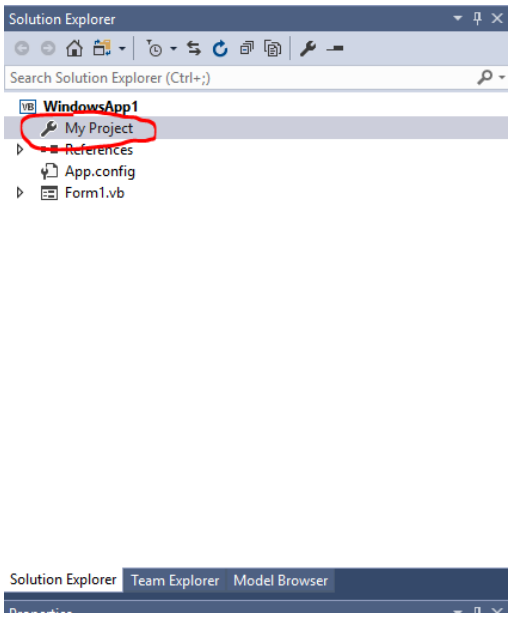
3.1.2 How to use Driver DLL

1. Start Visual Studio 2017.
2. On the **File** menu, click **New Project**. The New Project dialog box appears.
3. In the Project type's pane, expand **Visual Basic** node and select **Windows Classic Desktop**. In the list of templates, select **Windows Forms App (.NET Framework).**
4. You can choose desired .NET Framework from the upper combo box available.
5. Enter your desired **Name** for the project. Click **OK** button.

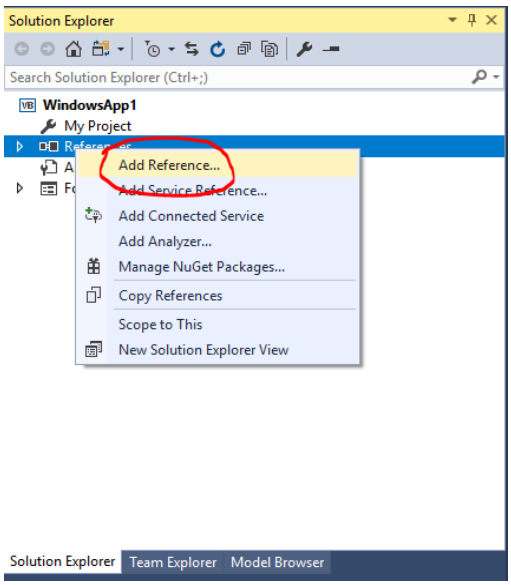


6. This will create a project with a Form1.vb as a startup form. Now **Save** the project and follow on-screen instruction to save the project at desired location.

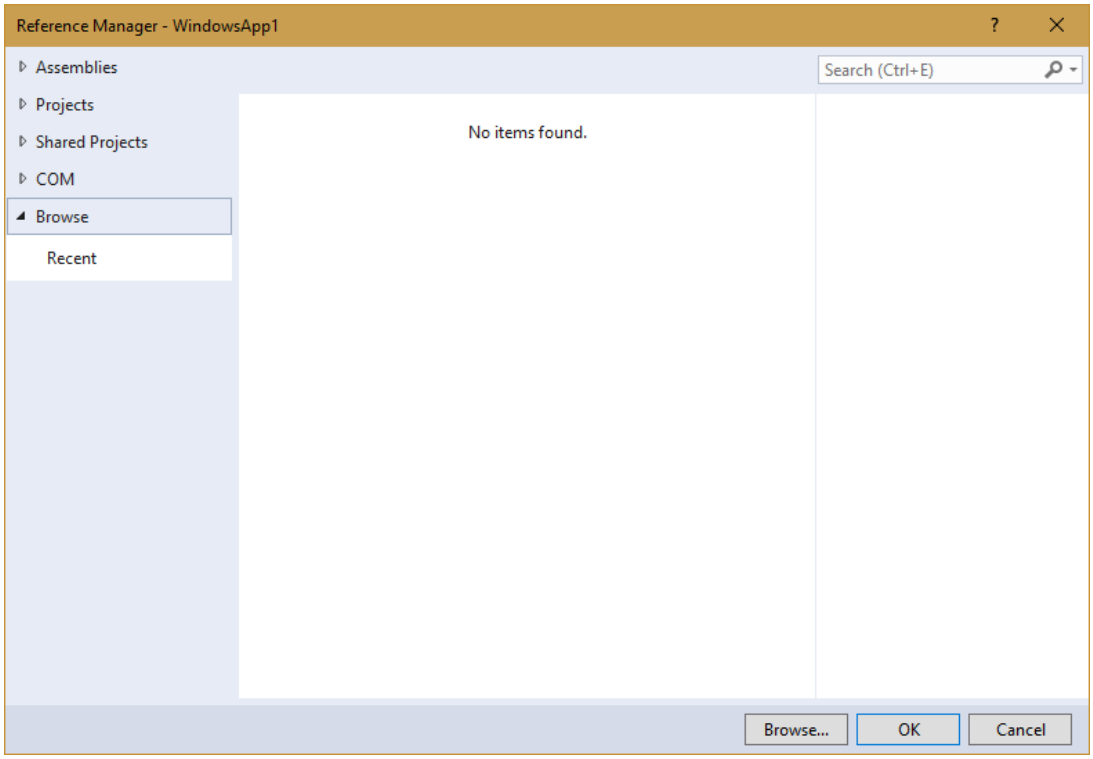
7. Now, in a Solution Explorer, double-click on a **My Project**. It will open Application's Properties. Alternately, you can right-click on Application & then select **Properties**.



8. Click on **References** in left pane. It will show all the attached references in the project. Click on the **ADD** button to add a new reference (ParModEther DLL in our case). Alternately, you can right-click on **References** in Solution Explorer & then select **Add Reference...**



9. This will open up a reference Manager Window for the application.



10. Select **Browse** from left pane & click on **Browse…** button. It will open a browser window to add a **Component Files** like .dll, .tlb etc.
11. Go to a folder, where you have kept **ParModEther.DLL** & select it. Now click on **Add** button. Hence it will add ParModEther.dll (as a selected reference) to the right pane of Reference Manager. Now click **OK** button. This will add a reference of ParModEther.DLL to your project. You can see, now ParModEther reference is available in the project.
12. **Save** the project. **Now you are ready to start the coding.**

Note: You can follow the same above procedure for your C# application environment.

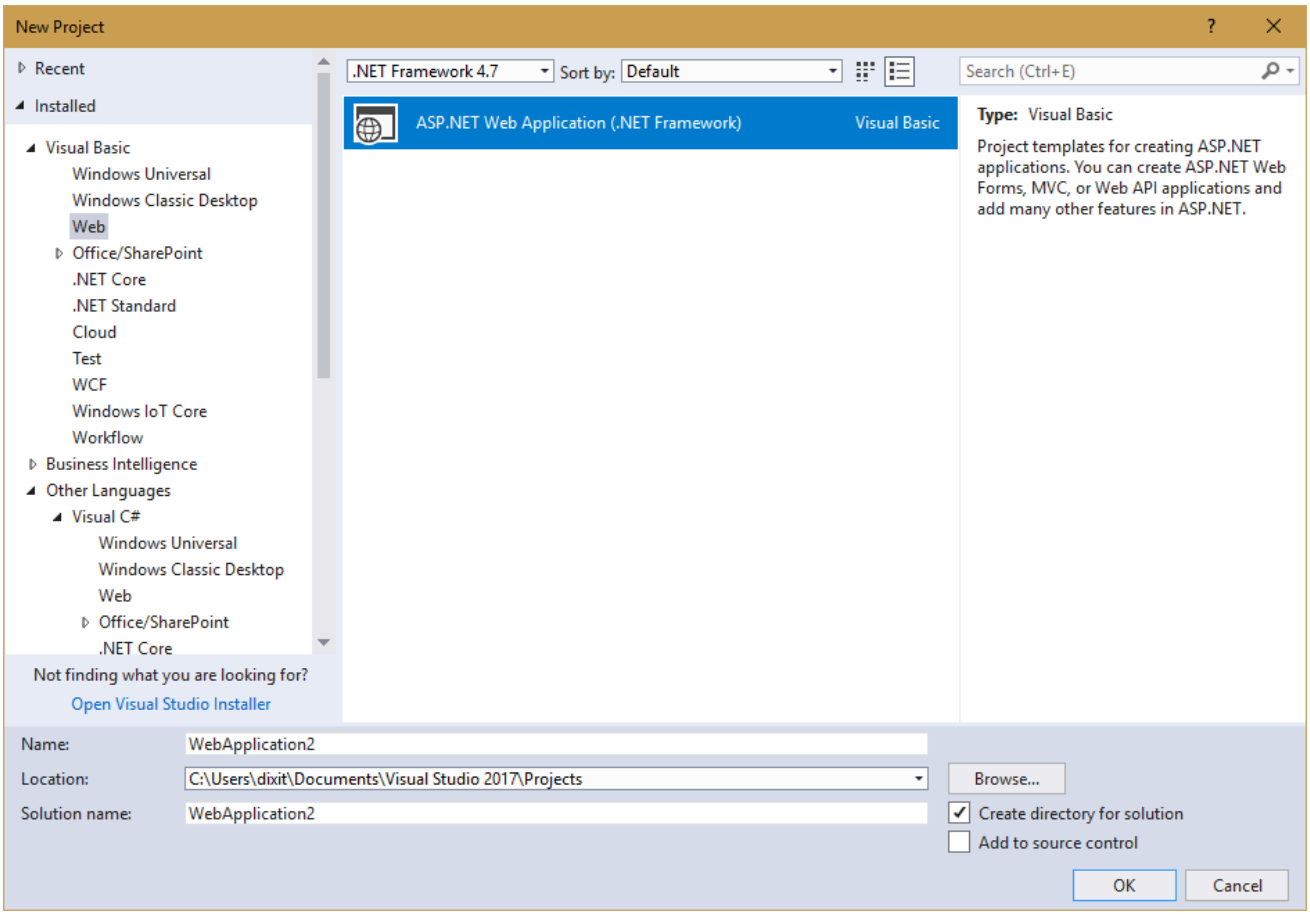
3.2 ASP.Net Web Application (.Net Framework)

3.2.1 Prerequisites

.Net Framework 4.5 or Newer

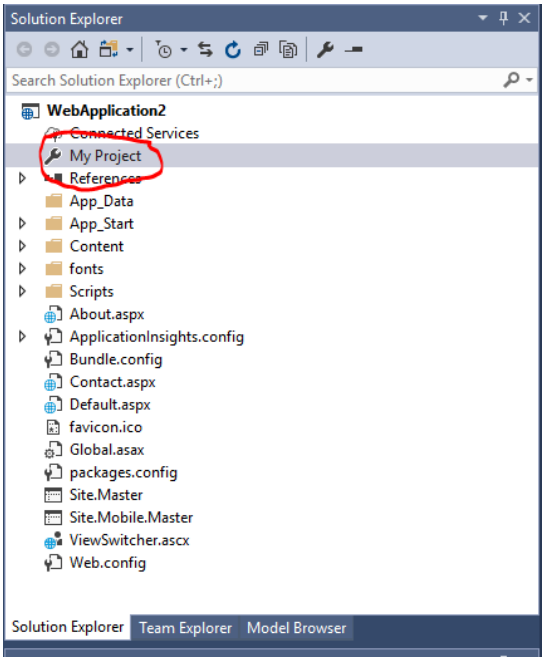
3.2.2 How to use Driver DLL

1. Start Visual Studio 2017.
2. On the **File** menu, click **New Project**. The New Project dialog box appears.
3. In the Project type's pane, expand **Visual Basic** node and select **Web**. In the list of templates, select **ASP.NET Web Application (.NET Framework).**
4. You can choose desired .NET Framework from the upper combo box available.
5. Enter your desired **Name, Location** and **Solution Name** for the project. Click **OK** button.

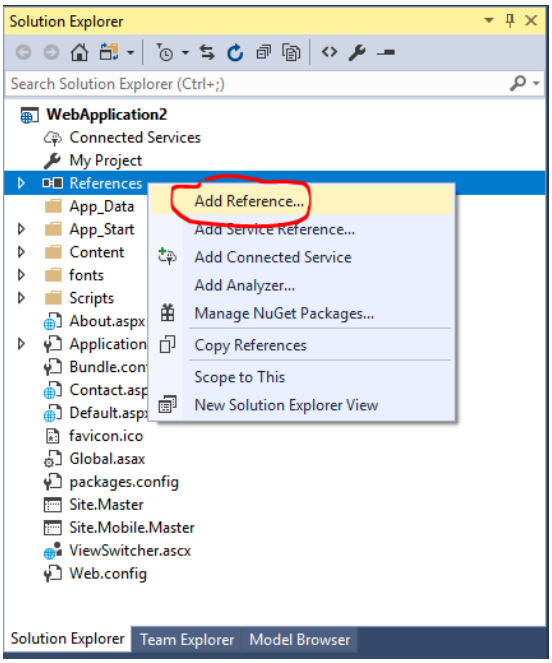


6. Select your desired Application Type & Authentication method in next window. Click **OK** button. This will create a Web Application project.

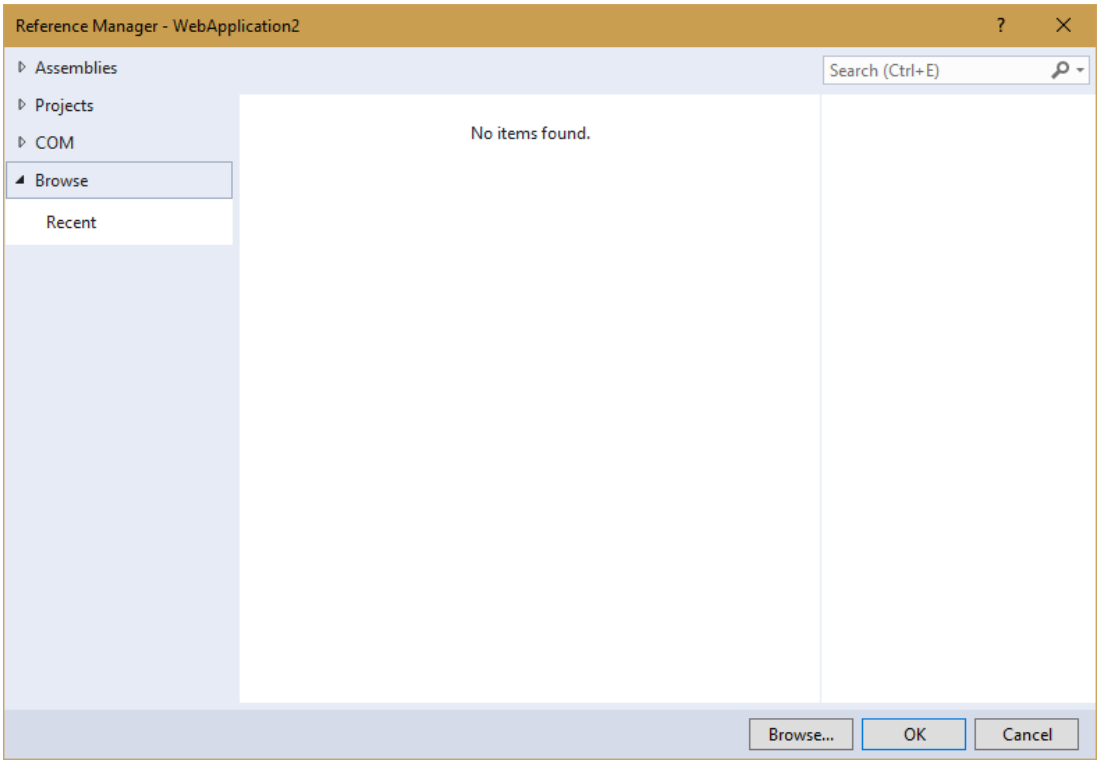
7. Now, in a Solution Explorer, double-click on a **My Project**. It will open Application's Properties. Alternately, you can right-click on Application & then select **Properties**.



8. Click on **References** in left pane. It will show all the attached references in the project. Click on the **ADD** button to add a new reference (ParModEther DLL in our case). Alternately, you can right-click on **References** in Solution Explorer & then select **Add Reference...**



9. This will open up a reference Manager Window for the application.



10. Select **Browse** from left pane & click on **Browse…** button. It will open a browser window to add a **Component Files** like .dll, .tlb etc.

11. Go to a folder, where you have kept **ParModEther.DLL** & select it. Now click on **Add** button. Hence it will add ParModEther.dll (as a selected reference) to the right pane of Reference Manager. Now click **OK** button. This will add a reference of ParModEther.DLL to your project. You can see, now ParModEther reference is available in the project.
12. **Save** the project. **Now you are ready to start the coding.**

Note: You can follow the same above procedure for your C# application environment.

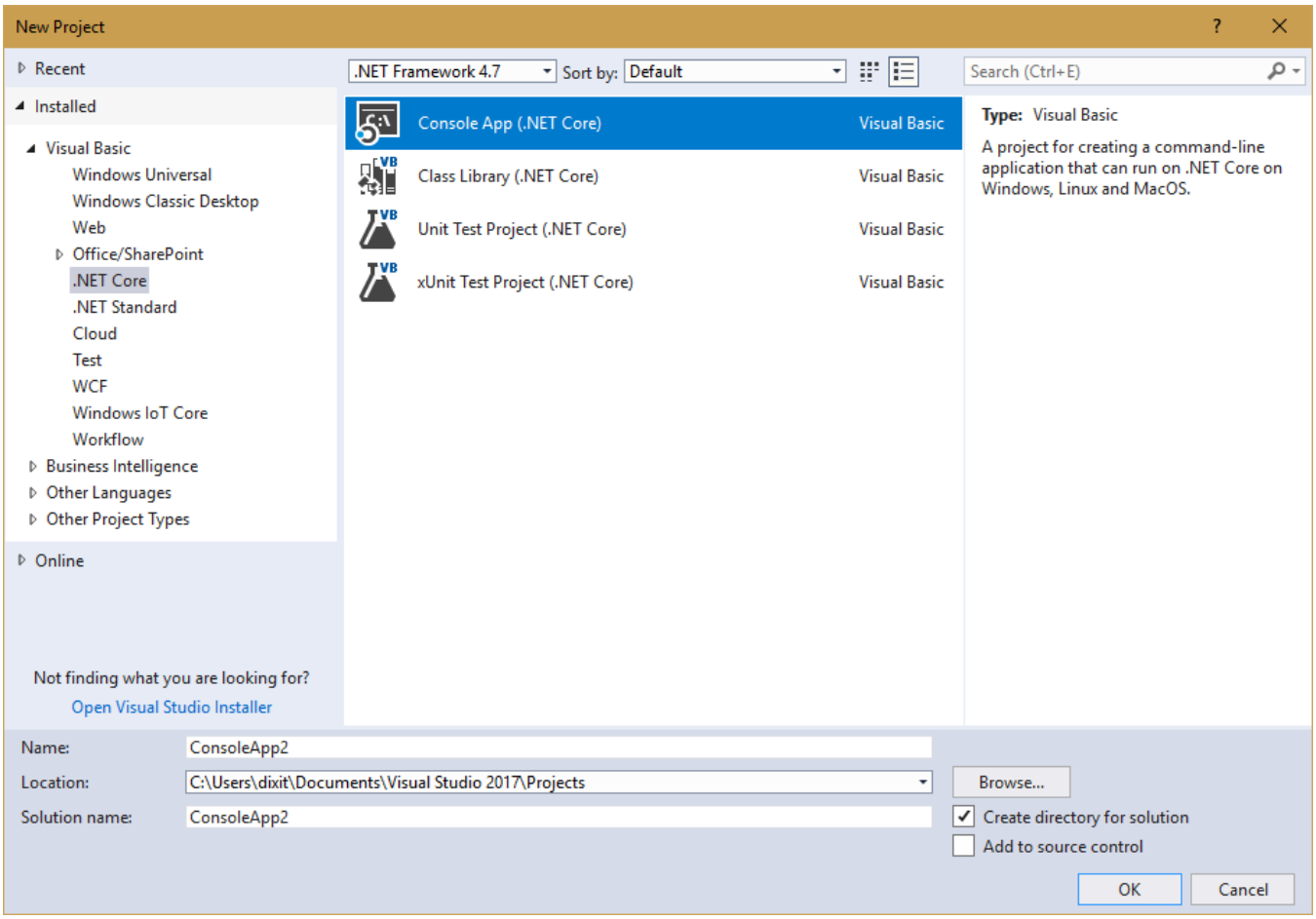
3.3 Console App (.Net Core)

3.3.1 Prerequisites

.Net Core 2.0 or Newer

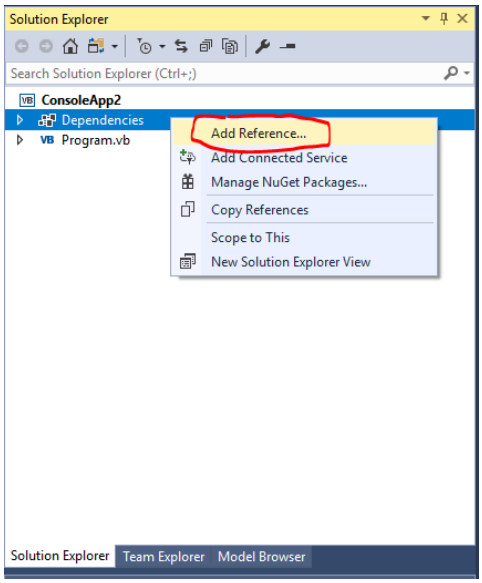
3.3.2 How to use Driver DLL

1. Start Visual Studio 2017.
2. On the **File** menu, click **New Project**. The New Project dialog box appears.
3. In the Project type's pane, expand **Visual Basic** node and select **.NET Core**. In the list of templates, select **Console App (.NET Core).**
4. You can choose desired .NET Framework from the upper combo box available.
5. Enter your desired **Name, Location** and **Solution Name** for the project. Click **OK** button.

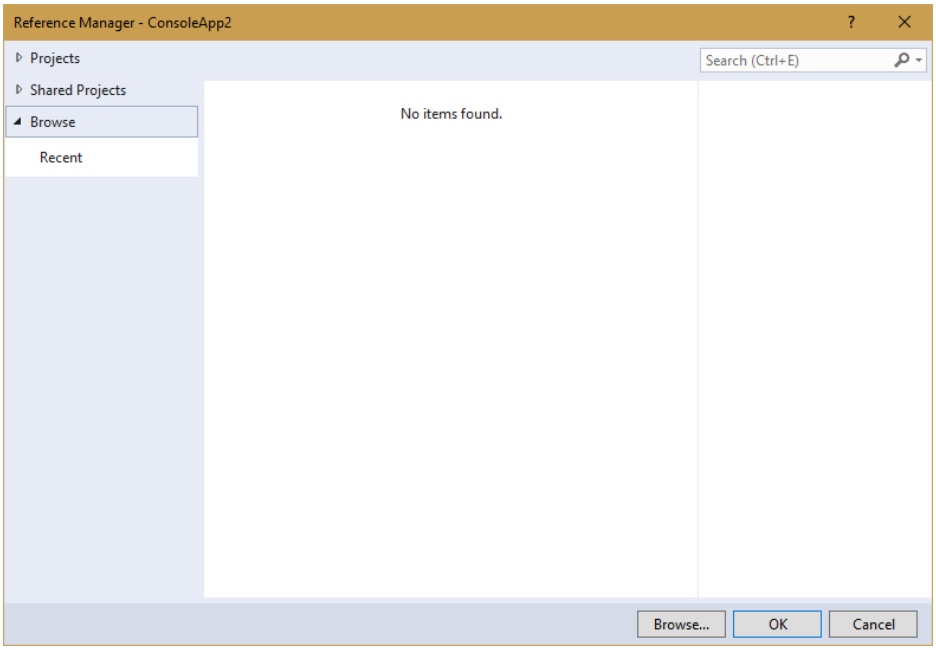


6. This will create a project with a Program.vb containing Sub Main(). Now **Save** the project.

7. Now, in a Solution Explorer, right-click on a **Project Name** and then Select Properties. It will open Application's Properties.
8. Click on **References** in left pane. It will show all the attached references in the project. Click on the **ADD** button to add a new reference (ParModEther DLL in our case). Alternately, you can right-click on **Dependencies** in Solution Explorer & then select **Add Reference...**



9. This will open up a reference Manager Window for the application.



10. Select **Browse** from left pane & click on **Browse…** button. It will open a browser window to add a **Component Files** like .dll, .tlb etc.
11. Go to a folder, where you have kept **ParModEther.DLL** & select it. Now click on **Add** button. Hence it will add ParModEther.dll (as a selected reference) to the right pane of Reference Manager. Now click **OK** button. This will add a reference of ParModEther.DLL to your project. You can see, now ParModEther reference is available in the project.
12. **Save** the project. **Now you are ready to start the coding.**

Note: You can follow the same above procedure for your C# application environment.

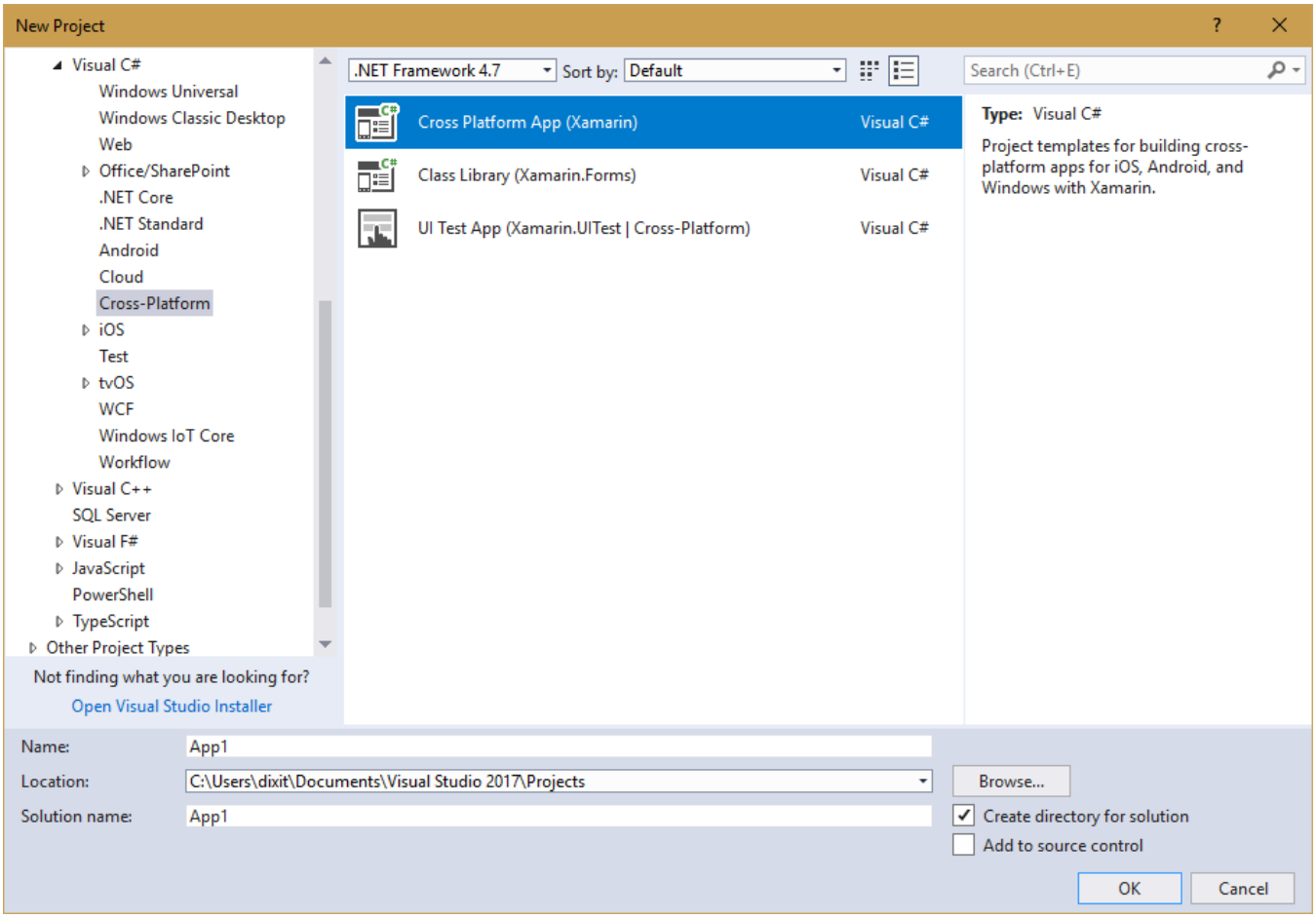
3.4 Cross-Platform App (Xamarin)

3.4.1 Prerequisites

3.4.2 How to use Driver DLL

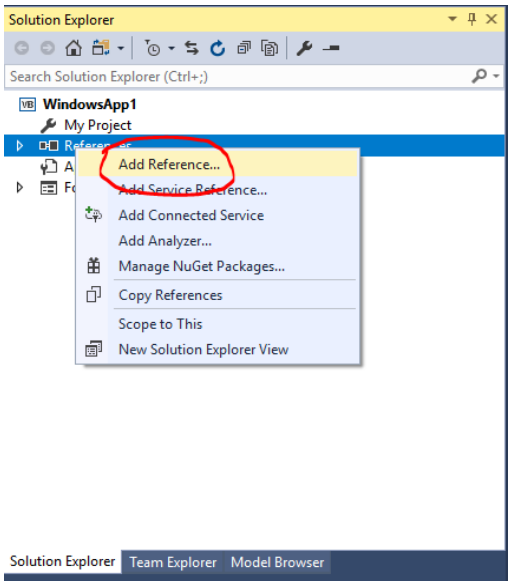
1. Start Visual Studio 2017.

2. On the **File** menu, click **New Project**. The New Project dialog box appears.
3. In the Project type's pane, expand **Visual C#** node and select **Cross-Platform**. In the list of templates, select **Cross Platform App (Xamarin).**
4. You can choose desired .NET Framework from the upper combo box available.
5. Enter your desired **Name, Location** and **Solution Name** for the project. Click **OK** button.

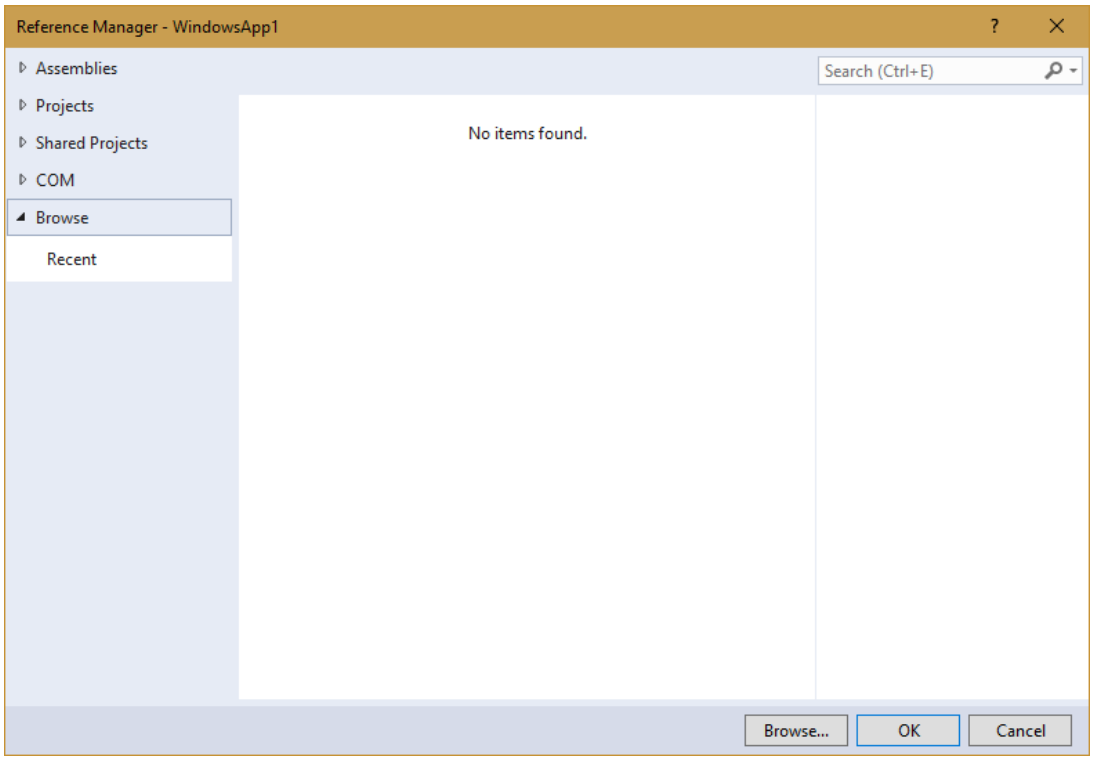


6. In the Next Window, select your desired application template. Select **Xamarin.Forms** as **UI Technology**. Select your desired **Code Sharing Strategy**. This will create a Solution having three different projects, ProjectName**.Android**, ProjectName**.IOS** and ProjectName**.UWP**.

7. Click on **References** in left pane. It will show all the attached references in the project. Click on the **ADD** button to add a new reference (ParModEther DLL in our case). Alternately, you can right-click on **References** in Solution Explorer & then select **Add Reference...**



8. This will open up a reference Manager Window for the application.



9. Select **Browse** from left pane & click on **Browse…** button. It will open a browser window to add a **Component Files** like .dll, .tlb etc.
10. Go to a folder, where you have kept **ParModEther.DLL** & select it. Now click on **Add** button. Hence it will add ParModEther.dll (as a selected reference) to the right pane of

Reference Manager. Now click **OK** button. This will add a reference of ParModEther.DLL to your project. You can see, now ParModEther reference is available in the project.

11. You have to add Driver DLL reference in all the projects (Android, IOS and UWP) following the same procedure as above in step 7 to 11.
12. **Save** the project. **Now you are ready to start the coding.**

3.5 Linux (.Net Core)

3.5.1 Prerequisites

.Net Core

3.5.2 How to use Driver DLL

1. Follow the same procedure as for Console App (.Net Core) for creating a project to run in Linux. Once you have completed and tested your project, proceed to run your project in Linux environment.

4 Support / Troubleshooting

Please contact support@parijat.com for any assistance.

Parijat is offering limited/No support for the drivers that are using old/obsolete technology.