

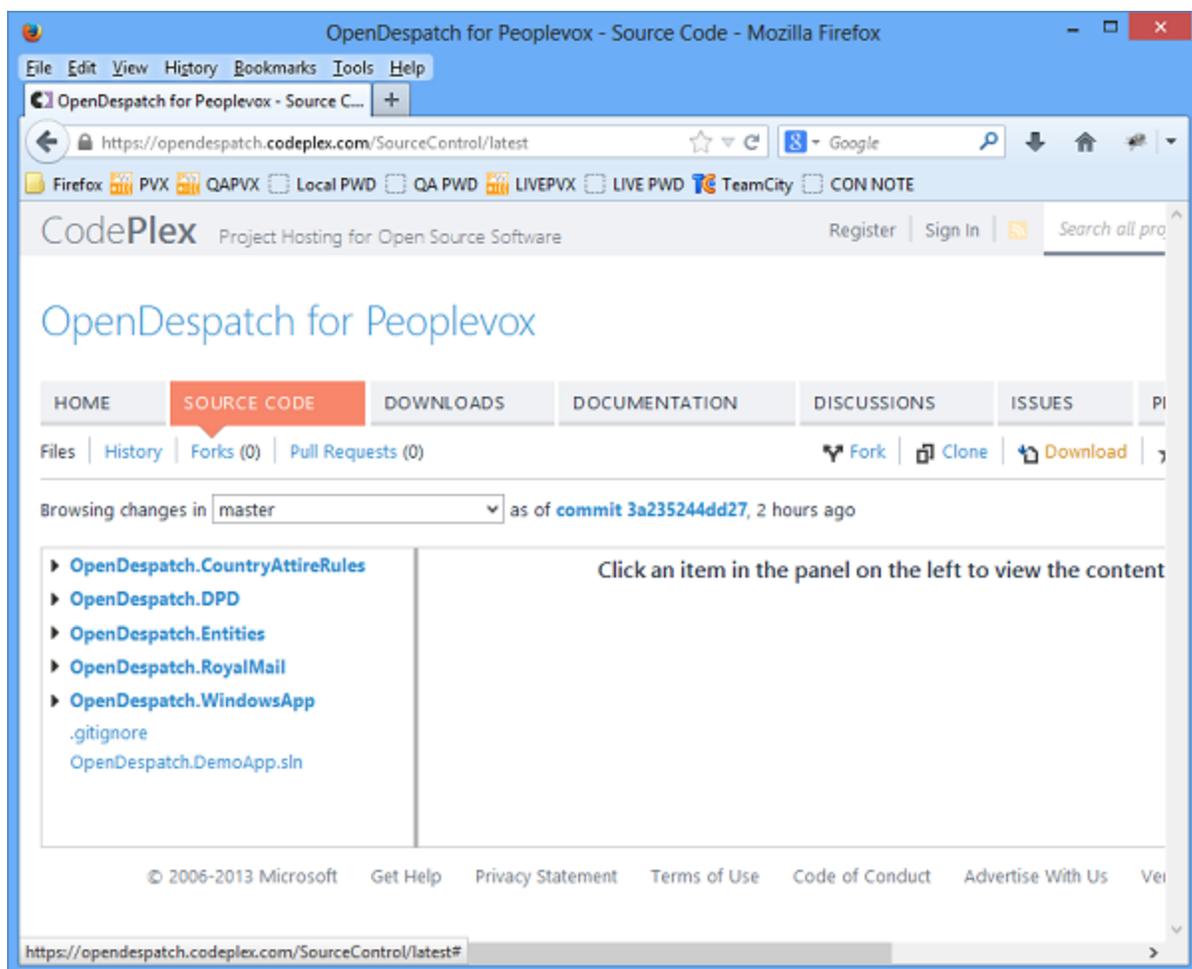
## **Instructions for developer download from CodePlex in order to build and install OpenDespatch application**

### **Prerequisites**

- 1.1 OpenDespatch is an open source application written using C# and Microsoft asp.Net technologies. A Microsoft Windows machine and appropriate Integration Development Environment (IDE) is required to build and run the application.
- 1.2 If asp.net framework 4.0 is not installed on the computer then you will need to do this prior to installing the OpenDespatch.
- 1.3 This application is to be used in order to feed information to third party software systems such as Royal Mail Despatch Manager Online and DPD ship@ease. These third party applications should be configured and running on the same computer.

### **Instructions**

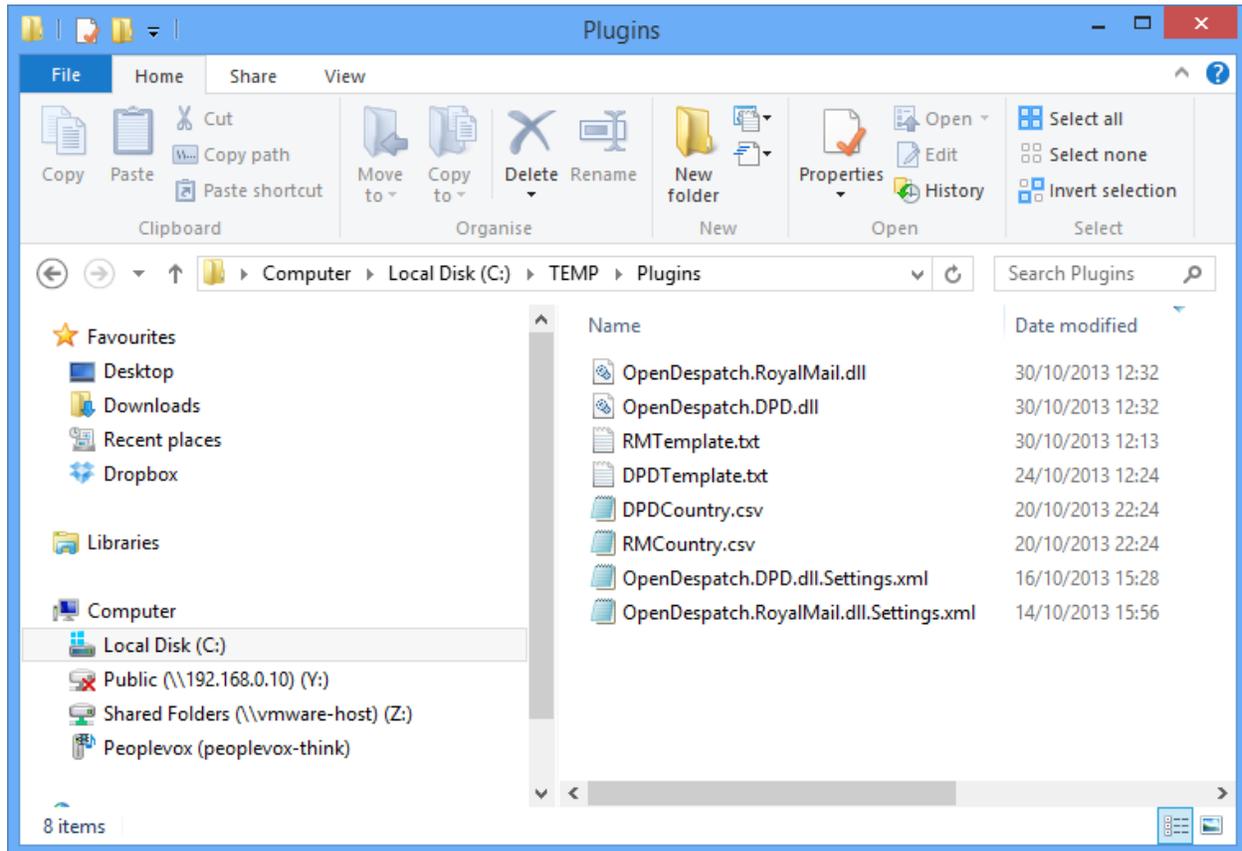
#### **Figure A**



## SECTION A - Setting up your development environment

- 2.1 Ensure you have an IDE that can run the codebase such as Visual Studio Express. This is available from <http://www.microsoft.com/visualstudio/eng/downloads#d-2013-express>.
- 2.2 Visit the project page on the codeplex website at <https://opendespatch.codeplex.com/>
- 2.3 Download the codebase from <https://opendespatch.codeplex.com/SourceControl/latest>. This screen is shown in Figure A above.
- 2.4 Open the solution file in your IDE.
- 2.5 There are example plugins for Royal Mail and DPD in the project already.
- 2.6 Modify and extend the application as required for your despatch set up.
- 2.7 For development run the application in debug mode and set the settings inside the application as described in Section C.

**Figure B**

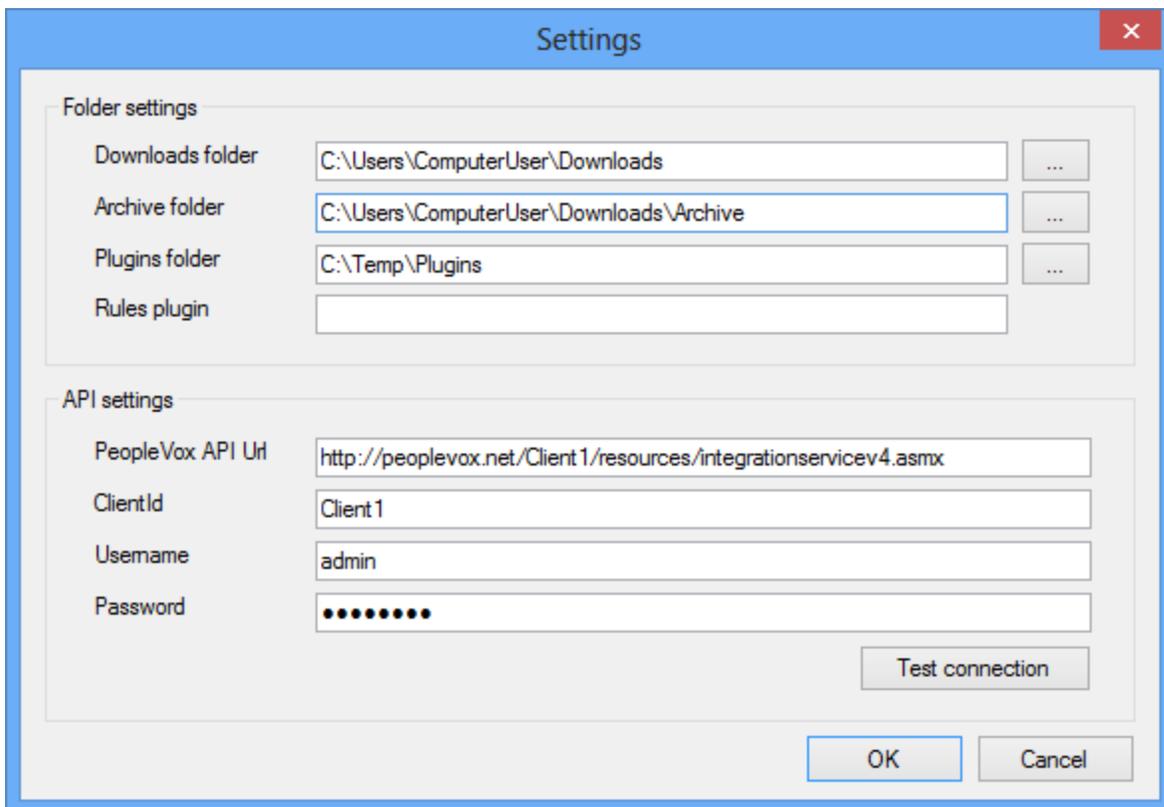


## **SECTION B - Deploying to live pack bench computer**

- 3.1 Compile the project in release mode in the IDE.
- 3.2 Create a folder location (eg C:\Program Files\OpenDespatch) to store the some files. In this folder put the following files:
  - The application executable file (OpenDespatch.WindowsApp.exe).
  - The application executable configuration file (OpenDespatch.WindowsApp.exe).
  - The compiled logic file for the entities (OpenDespatch.Entities.dll).
- 3.3 Create a folder location (eg C:\Temp\Plugins) to store the some files. In this folder put the following files:
  - Compiled plugin dlls (eg OpenDespatch.RoyalMail.dll) to be loaded by the application.
  - Template files to dictate the format of information to be passed to the carrier eg (RMTemplate.txt).
  - Country mappings files (eg RMCountry.csv) to show which codes country names should be converted to for the carriers.

This folder should look similar to the Figure B above.

**Figure C**



The image shows a 'Settings' dialog box with two main sections: 'Folder settings' and 'API settings'. The 'Folder settings' section includes fields for 'Downloads folder' (C:\Users\ComputerUser\Downloads), 'Archive folder' (C:\Users\ComputerUser\Downloads\Archive), 'Plugins folder' (C:\Temp\Plugins), and 'Rules plugin'. The 'API settings' section includes fields for 'PeopleVox API Url' (http://peoplevox.net/Client1/resources/integrationservicev4.asmx), 'ClientId' (Client1), 'Username' (admin), and 'Password' (masked with dots). A 'Test connection' button is located below the API settings. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Section	Setting	Value
Folder settings	Downloads folder	C:\Users\ComputerUser\Downloads
	Archive folder	C:\Users\ComputerUser\Downloads\Archive
	Plugins folder	C:\Temp\Plugins
	Rules plugin	
API settings	PeopleVox API Url	http://peoplevox.net/Client1/resources/integrationservicev4.asmx
	ClientId	Client1
	Username	admin
	Password	••••••••

## **SECTION C - Setting the settings inside the application**

- 4.1 Open the OpenDespatch application
- 4.2 Goto settings -> options and ensure the following are set correctly (example shown in Figure C above):
  - Downloads folder should be the location that the PVX xml files are being downloaded to from the PVX webapp. These are the files that provide the data to the applicaiton.
  - The archive folder is the folder that the xml are archived to after they have been processed.
  - The plugins folder is that the folder that should be created to hold the plugins files as described in Section B point 3.3).
  - Rules plugin should be left empty unless you are using this method for extra logic processing.
  - Add your PVX API settings and ensure the test succeeds.
- 4.3 Reload plugin by clicking File -> Reload plugins option.
- 4.4 If you are using the example Royal Mail plugin you can adjust settings by going to the Settings -> Royal mail settings. In here set the carrier software input and output file locations. Also specify the template file that is being used.
- 4.5 If you are using the example DPD (ship@ease) plugin you can adjust settings by going to the Settings -> DPD settings. In here set the carrier software input and output file locations. Also specify the template file that is being used. Also please specify the delimiter that is used in the file format (the default is tab).

## **FAQs**

### **Which versions of Visual Studio Express can I use?**

You can use Visual studio express 2012/13 for windows desktop. If you use this you will need to have asp.net framework 4.5 installed.

If you want to use an older version you can use Visual Studio Express 2010 C#. For this you will need asp.net 4.0 installed. You will need to create a new solution file if you use this version.