

## Installing the PHP plugin for DIA

### About

This document explains how to install and use the PHP plugin for DIA, to allow PHP code generation from a UML class diagram. This handout focuses specifically on a Windows installation.

### What is DIA

DIA is a general diagramming tool, which can be used to generate a variety of different types of diagrams such as flowcharts, sequence diagrams etc. DIA comes with support for the basic UML class diagram shapes and with the addition of a simple plugin, it can be used to generate corresponding PHP classes.

### Downloading and installing MAMP

Download the latest version of DIA from <http://dia-installer.de> (figure 1) – there are Mac OS X and Windows versions available, although installing DIA on a Mac requires the installation of the X Windowing system.

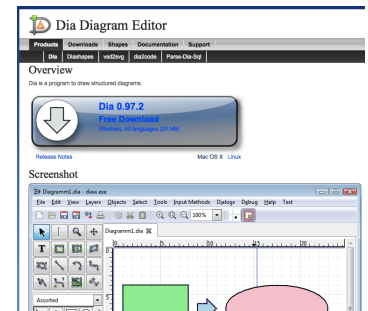


Figure 1

Download the executable file and double click to install DIA in the normal place for Windows applications – DIA will create a folder inside the *Program Files (x86)* folder

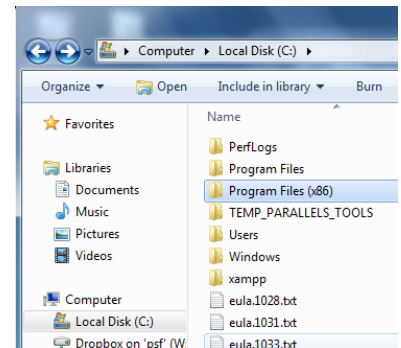


Figure 2

### Running DIA

Run DIA from the start button to ensure that it has been installed correctly (figure 3).

Close DIA completely before attempting the next step.

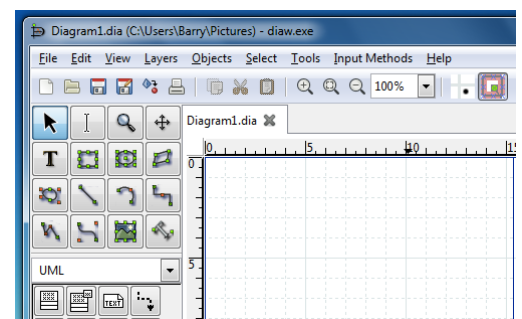


Figure 3

## Installing UML2PHP

Download the UML2PHP plugin from <http://uml2php5.zpmag.com/en/windows.php>

Extract the contents of the zip file into a temporary subdirectory. There will be 5 files

- stylesheet.xml
- dia-uml-classes.zx
- dia-uml2php5.zx
- dia-uml2phpsoap.zx
- dia-uml2php5.conf.xsl

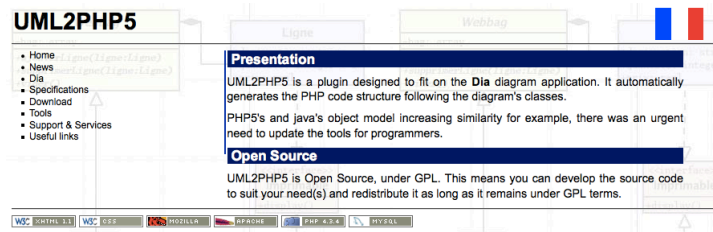


Figure 4

Open *explorer* and find the DIA folder on (typically) the C: drive in the inside the *Program Files (x86)* folder (figure 5).

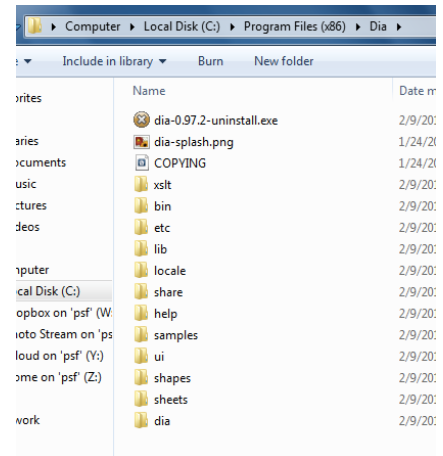


Figure 5

Open the XSLT folder inside the DIA folder (figure 6)

- Rename *stylesheet.xml* to be *stylesheet.xml old*
- Copy the five files *into* this folder

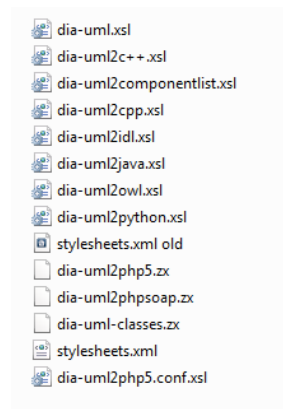


Figure 6

### Using the PHP plugin

Start *Dia* and choose *UML* from the drop down box in the left panel.

The standard UML chart shapes should be displayed (figure 7)

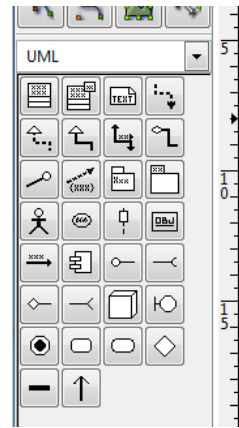


Figure 7

Click on the *Class* icon and then click in the canvas. Double click on the class to add *attributes* and a sample *method* (figure 8)

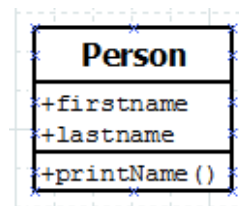


Figure 8

Save the Dia diagram as *Person.dia*

### Creating the PHP code for the class

To create the corresponding PHP classes from a DIA class diagram, choose File – Export from the menu (figure 9)

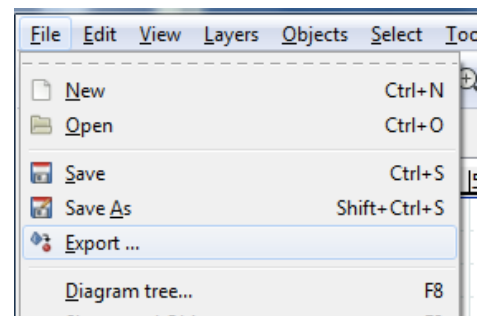


Figure 9

Choose XSLT from the file-type dialog box (figure 10)

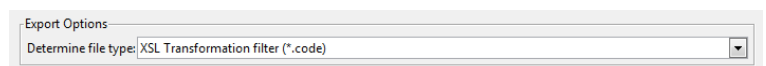


Figure 10

From the new dialog box choose UML-CLASSES-EXTENDED and PHP5, click OK (figure 11)

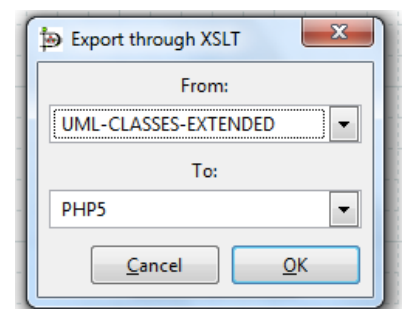


Figure 11

One class file will be created for each class on the diagram.