ReadMe – MasterPassPhp SDK and Sample Application

This document outlines the steps needed to configure and run the MasterPass PHP SDK/Sample Application on a Windows 7 development computer

# Prerequisites The following items must be installed prior to running the Sample Application

# HTTP server (Apache or AMPPS)

1. PHP version 5.4
2. The MasterPassPHP source code package

Note: Development was performed on an [AMPPS](http://www.ampps.com/) v2.0 installation which includes Apache with 5.2, 5.3 and 5.4 versions of PHP preconfigured. DO NOT accept the invitation to upgrade to the next version of AMPPS, otherwise you may experience errors with the sample app. It is easiest to place the MasterPassPHP source code directly in the C:\Ampps\www folder.

# Using the Sample Application

The Sample Application can be used to test every step in the Wallet API workflow. Use the following steps to configure Eclipse and your computer HOST file to create a local web application.

## Configuring the HOST File

In order for the Sample Application to receive a callback from the Wallet services, you must add an entry your HOST file to tell DNS how the call should be routed on your local computer.

1. Open the following file in Notepad: C:\Windows\System32\drivers\etc\hosts

*Note: due to Windows 7 security restrictions, it may be necessary to create a copy of the hosts file and place it in C:\temp. After you have completed your edit, paste the hosts file back into the* ***etc*** *directory and overwrite the existing file.*

1. Add the following entry at the bottom of the hosts file:

127.0.0.1 YourProjectDomain.com

*Note: this domain name must match your MasterPass Online Project’s registered domain name, or the callback will fail.*

1. Run the Sample Application and verify that you are able to receive a callback.

## Configure Apache for Sample Application (if not using AMPPS)

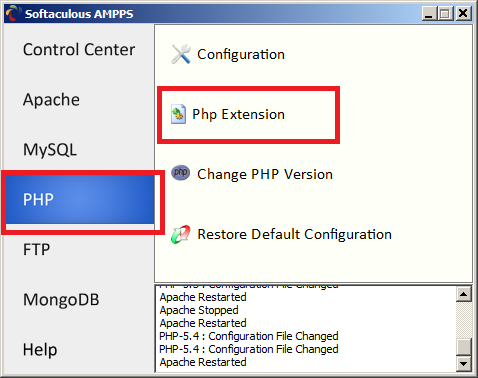
1. Install PHP on Apache
   1. <http://www.thesitewizard.com/php/install-php-5-apache-windows.shtml>
2. Unzip SDK and Testing app to the Document Root folder in Apache
3. Update the merchant and API settings found in the Web/Session/config.ini file.
4. Browse to <http://localhost/MasterPassPhp/Web>

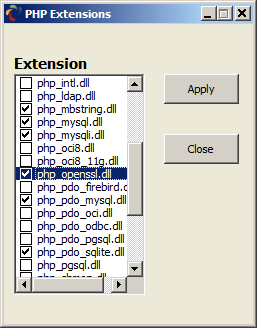
## Enabling php\_openssl.dll Extension If you are using AMPPS, then you will need to enable the php\_openssl.dll for each php version.

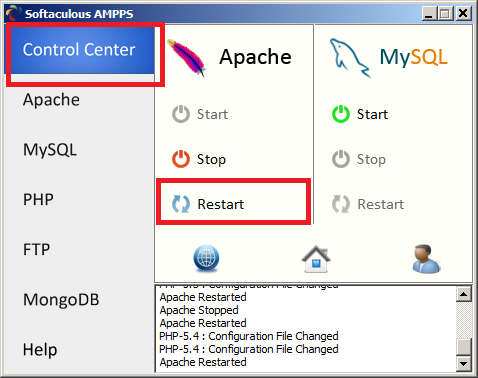
1. Click on the AMPPS icon in the system tray:



1. An AMPPS Control Panel will appear. Click on PHP and Php Extension:

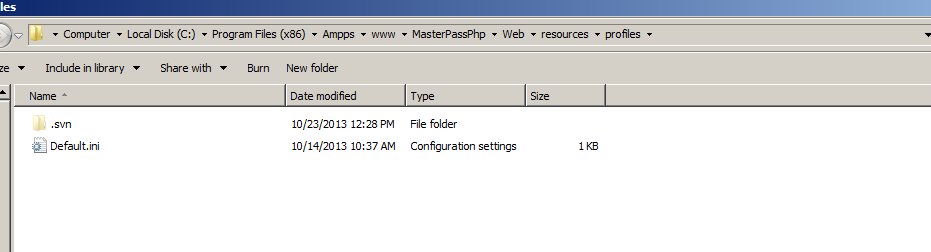


1. A PHP Extensions popup will appear, scroll to php\_openssl.dll and check it.
2. Click on the Control Center and then click Restart in the Apache column. This will restart your Apache server with the php\_openssl.dll extension installed.

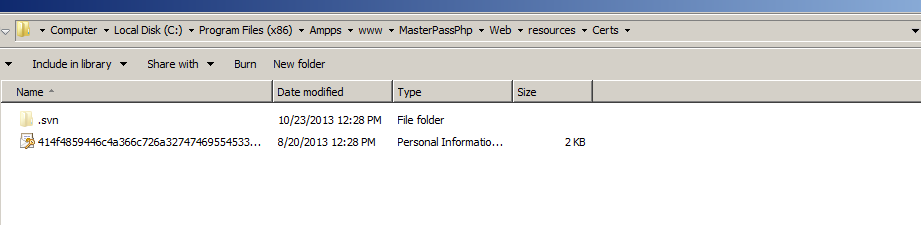


## Change the credentials

1. Open the config.ini file in the resources\profiles folder.



1. Copy your keystore file into the resources\Certs folder in the Apache Document Root folder.



1. Change the callbackdomain, consumerkey, checkoutidentifier, keystorepassword and keystorepath (if different) to your credentials. The values shown below are just examples.



Examples:

requesturl = "https://sandbox.api.mastercard.com/oauth/consumer/v1/request\_token"

shoppingCarturl = "https://sandbox.api.mastercard.com/online/v1/shopping-cart"

accessurl = "https://sandbox.api.mastercard.com/oauth/consumer/v1/access\_token"

postbackurl = "https://sandbox.api.mastercard.com/online/v2/transaction"

callbackdomain = "http://projectabc.com"

consumerkey = "cLb0tKkEJhGTITp\_6ltDIibO5Wgbx4rIldeXM\_jRd4b0476c!414f4859446c4a366c726a327474695545332b353049303d"

checkoutidentifier = "a4a6x1ywxlkxzhensyvad1hepuouaesuv"

keystorepath = "resources/Certs/414f4859446c4a366c726a327474695545332b353049303d.p12"

keystorepassword = "changeit"

shippingprofiles="US,CA,FR,MEX,NA,UK,USMO,USVA,AUSWALES"

1. Save your changes to the config.ini file and deploy the changes. Your credentials will now be used to connect to MasterPass web services.
2. Update your Host file to direct the callbackDomain to the localhost.
3. Run the project and see how MasterPass Wallet works!

## Unit Testing

The Sample Application project includes a few unit tests, which were written primarily to aid the development of the SampleApplicationController and MasterPassService classes. The unit tests can be executed using PHPUnit. It is not necessary for PHPUnit to be integrated with Eclipse in order to run the tests. Simply download phpunit.phar and place it in C:\PHPUnit. Then from a command line, execute the following commands:

cd c:\Ampps\www\MasterPassPhp\MasterPassPhp\_Test

php c:\phpunit\phpunit.phar .