EasyFloos API

PHP Integration and XML interface

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Release notes

Hash signatures

The insertion of hash signatures at the following levels:

- Popup trigger
- Transaction reporting

Registering with EasyFloos

Prior to using the service, vendors should register with EasyFloos and declare their products. Clients will receive a username, a password and a transaction server that they will use later. The registration process is done manually with EasyFloos managers at the time being.

Vendors will set their reporting URL upon registering:
Ex: *https://www.abu3adal.com/shoppingcart/index/report*

Initiating a transaction

In your PHP code, you must initiate Tru_MPS_Popup and insert the JavaScript result it gives back in your page in order to enable EasyFloos in your website.

```php
$product = 'points100'; //Registered product name
$product_name = '100 game points';  //name to be printed out

//Unique reference that we will use when reporting a transaction to you
$store_reference = '342DED4F4164';

//Simple callback URL that we will be calling with "window.href" when the
transaction ends
$http_callback = 'http://www.example.com/thankyou.html';
$drv = new Tru_MPS_Popup('username','password','trs.mpserver.com');
$drv->setLanguage('en');

//Set country restrictions and sell your product in a select group of
countries
$drv->setCountries('SA');
$drv->setCountries('EG');


//The name of your application when we register it as an authorized store.
$drv->setStore('registered_store_name');
$drv->addProduct('ref1', $product, $product_name, $price, $http_callback,
$store_reference);

/* get back the answer
window.open('http://trs.mpserver.com/paypopup/index/start/lang/en/product/poi
nts100/store/registered_store_name/price/2/store_reference/342DED4F4164/httpc
allback/aHR0cDovL3d3dy5hYnUzYWRhbC5jb20y','name','status=1, height = 300,
width = 300, resizable = 1');
 */
$js_html_action = $drv->returnJSLink('ref1');
```

Collecting transactions results

When vendor's clients will complete a transaction, EasyFloos will alert the vendor via HTTPS or HTTP by submitting XML data. The schema is as follows:

Building your reporting service

EasyFloos has a HTTP/HTTPS reporting driver. The driver expects to call a web-service that accepts XML via a variable called "xml".

The driver will be using POST method.

XML output

EasyFLoos will submit to your web-service all the completed transactions using the following XML format.

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<recordset>

        <report product_id="'points200'" order_id="171441072" store="abu3adal" store_reference =
"342DED4F4164" approximate_min="4.4733333333333" sale_country="LB" ani=""
hash="7394237492374234dsfjsdlkfjdlfjsd" ></report>

        <report product_id="'points100'" order_id="348406178" store="abu3adal" store_reference =
"328328" approximate_min="2.0333333333333" sale_country="LB" ani=""
hash="8423908r90fdi90fds9fsd8fdsfsdfsd" ></report>

</recordset>
```

Before its transmission to the vendor, the XML is encoded 2 times with Base64 by EasyFloos.

Reception example:

```
$strxml = base64_decode(base64_decode($_REQUEST['xml']));
$xml = simplexml_load_string($strxml);
```

XML Legend

You must set transaction ID. We refer to it as "store_reference"

The return XML attributes are

1. **product_id** = is the ID of the product that we agreed on upon registering the product to be sold on EasyFloos
2. **order_id** = is an EasyFloos reference that we advise you to store for future claims. It is also a unique ID that we generated for the user and made it available for him in the Popup. It's the ID that he has to punch in the IVR when prompted to "enter his order id"
3. **store** = is the name of your store as we agreed on when registering your store on our platform
4. **approximate_min** = an estimation of the amount that you will be collecting

5. **sale_country** = the country of the client who purchased

Return XML

The EasyFloos driver expects to receive a confirmation upon submission. Your confirmation should be:

<?xml version="1.0" encoding="ISO-8859-1"?>
<recordset>

     <report order_id="171441072" store_reference = "342DED4F4164" status=" OK"> MSG</report>

     <report order_id="348406178" store_reference = "328328" status="OK">MSG</report>

</recordset>

XML Legend

1. **order_id** = is an EasyFloos reference that we advise you to store for future claims. It is also a unique ID that we generated for the user and made it available for him in the Popup. It's the ID that he has to punch in the IVR when prompted to "enter his order id"
2. **store_reference** = is the same reference you have set for your transaction

Example PHP Code

```
Tru_MPS_Popup::checkReturnHashKey($prod, $store_ref, $user, $password,
$hash);

//This will return a Boolean -
```

Note that you should use *checkReturnHashKey* to verify the return of EasyFloos.

Features

Setting a language for your popup

You may select the language of your choice to serve you clients. So far we are supporting Arabic and English.

```
$drv->setLanguage('en');
```

Filtering countries

If may wish to filter the countries. This could be useful when you are not selling on international shortcodes.

```
$drv->addCountries('SA');
$drv->addCountries('EG');
```

Text or Voice transactions

By default, EasyFloos works with Voice (IVR). To switch the connection to SMS, you just have to call the switch

```
$drv->smsRoute();
```

Frequently Asked questions

Canceling a transaction

Due to the nature of the system (Payment via time consumption) there is no such a thing as "Canceling a transaction". When clients call in, they are being billed by their operator. There is no way for us to refund in money what they have been billed.... of course, if the line drops, they can still recall the same number and type in again their order_id to continue the transaction.

Communication Security

EasyFloos reports transaction data behind the scene. The client's pop-up window is a wizard meant to assist the client and not to transit secure data.

Integrity of data is ensured using hash keys

Transactions v/s approximate_min

The concept of transactions is at the core of EasyFloos. You must think in terms of completed and uncompleted transactions. Thus, you should deliver your products upon receiving a report.