INTEGRATION OF VANILLA PAY INTO YOUR WEBSITE

VANILLA PAY platform version: 2.0

Requires library: phpseclib for encryption / decryption or a library containing the TripleDES.

First of all, you must already be registered with the VANILLA PAY platform (https://pro.ariarynet.com/) and have the following parameters:

- your private security key, which must be kept carefully.

- your public security key, which must be kept safe.

- your client_Id and your client_secret (to be created only once on the platform when registering your website).

Figure 1: Registration page for a pro account

Figure 2: Access keys

Figure 3: Site information and keys

A payment session looks like this:

Your Website (module)		**VANILLA PAY platform**
1. Initiate a transaction	Transaction Info {id}	
2.		Returns a unique {id}
3. Redirection to the payment page	{id}	Display the page and make the payment, Notifies your website of execution of the payment and
	URL Notification ({information on the transaction screen display update})	
4. Process the result of the transaction internally		
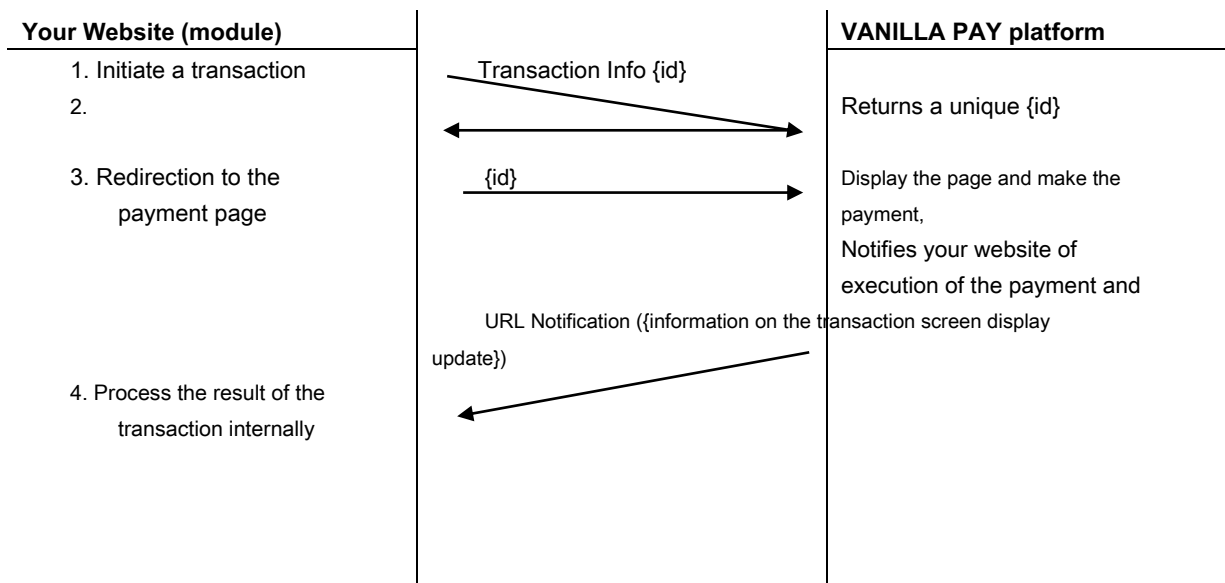
These webservice calls are made automatically between your website and the VANILLA PAY platform and are carried out transparently vis-à-vis the cyber-buyer customer.

All these exchanges are encrypted. At each webservice call, your website must encrypt the parameters with your public key. Each response sent by the VANILLA PAY platform must be decrypted with your private key.

The decryption uses the functions of the phpseclib library.

For an online payment session, access must be protected by a token.

Access request (token)

The token or token will allow your website to access the functionalities of the platform in a secure manner.

To get the token, the site must send a "GET" request to the url

https://pro.ariarynet.com/oauth/v2/token

In this request, the following parameters must be sent:

- 'client_id' and 'client_secret'. The values   are retrieved from the platform.
- 'grant_type': 'client_credentials' (as is)

In return, the request sends the token. Ex: " **MzJmNDc3M2VjMmQzN** For the rest of this document.

This token is dynamic therefore has a limited lifespan on the platform, just to make an online payment. This request must be launched for each new payment.

Payment

All communications between the platform and your website will be encrypted. After registration (when opening your account on VANILLA PAY), each customer receives two keys: public key (to encrypt) and private key (to decrypt).

To access a payment functionality, you must send a "POST" request which will contain two parameters:

- 'site_url': the link to the site provided during registration (eg "http://www.moravidy.com"), not encrypted.
- 'params': which contains all the parameters required for the requested function. Its content must first be encoded in json and then encrypted with the public key.

The identification token must be put in the header of the request like this:

 Authorization: Bearer MzJmNDc3M2VjMmQzN

Initialization of payment

Before making a payment, your website should display a summary page. This page displays to the online buyer a complete summary of what he will pay you, and a "Pay with VANILLA PAY" button.

To initiate a payment on the platform, you must send a "POST" request to the url

https://pro.ariarynet.com/api/paiements

With the following parameters:

- 'unitemonetaire' (ex: "Ar")
- 'ipaddress': the IP address of the cyber-buyer client who will make the online payment 'idpanier': the
- identifier of the item to be paid
- 'amount': the total amount to pay
- 'name': the name of the cyber buyer customer
- 'email': the email address of the cyberbuyer customer
- 'reference': the payment reference for your internal management

At the end of this request, your website will receive the payment identifier ("{id}") which will still have to be decrypted with your private key.

This "payment initialization" request must be sent before the display of the summary page.

In this page, the button "Pay with VANILLA PAY" redirects the cyberbuyer customer to the online payment platform.

The payment url is

https://moncompte.ariarynet.com/paiement/ Danemarkid} (for payments by Vanilla Pay account)

https://moncompte.ariarynet.com/payer/ Danemarkid} (for direct mobile money payments)

You must replace the "{id}" by the identifier of the decrypted payment (in clear)

Payment result

When the payment has been made by the online buyer customer, the VANILLA PAY platform will signal your website via the notification url provided during your registration that the transaction has been completed.

The result of the payment, sent by the VANILLA PAY platform, is an object encoded in json. This object is still encrypted. As a reminder, you must decrypt with your private key.

It contains as an attribute:

- idpanier
- amount
- ref_int (the reference you provided)
- result ('success' if the transaction was successful)
- name (that of the buyer if he provided it)
- dated
- ref_arn (payment reference at Vanilla Pay)

Modules

If your project is in **Symfony, CodeIgniter, WooCommerce, Odoo,** we have already developed modules for you available in: https://drive.go . Otherwise, you can develop alone or with our developers the module corresponding to your language.