

Proximis (EN)

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Last connector version: 1.7.0

V1.7.0

- Create a new transaction when receiving a successful IPN for a previously failed transaction
- Verify PayId mismatch before sending duplicate payment notification

V1.6.0

- Add Etild on surveys/reverse/credit operations
- Add email alert
- Added a manual capture function
- Update php requirement from 7.4 to >7.4 to allow V6 compatibility

Functional coverage

- Card payment with 3DSV2
- Alternative payments (ALI, WEC, UPI, BAN, PAL)
- Choice of integration in remote page or via an iframe
- Refund management
- Personalization via template
- Personalization via 'custom' fields

Requirements

- Proximis version 5.13 or higher.
- Php version 7.4 or higher.

Installation

The Module is now moved to a composer third-party Plugin.

If you installed the module with an archive, you need to uninstall it with the following command. `php bin/change.phar proximis:plugins -v disable module_Project_Axepta`

Add the third-party Clever Age repository by adding the following to your composer.json

```
{
    "type": "composer",
    "url": "https://nexus-production.tools-services-1.omn.
proximis.com/repository/cleverage-axepta/"
}
```

Add the module in the require part of your composer.json

```
{"require": {      "cleverage/axepta": "^1"    }}
```

Then run your update.bash script.

Install the plugin. `php bin/change.phar proximis:plugins -v enable CleverAge_Axepta`

In your project configuration, make sure to have the logger by service to see this module logs in `log/proximis.axepta.log`

```
"Logger": {      "Writer": {      "fileByService": true    }  },
```

Configuration

Create the connector from the back office. `/admin.php/Rbs/Commerce/Connector/`

General properties tab.

The field *titre sur le site* will be visible by the customer, the label, only in the backoffice.

The field *code* is used to identify the connector in the code base.

The field *description* can contain formatted text, images and links.

The field *visuel* allows the display of an image next to the *titre sur le site*.

The field *critère d'application* allows setting specific rules to display the connector.

The field *instruction de paiement* can contain formatted text, images and links.

The screenshot shows a web form for configuring a connector. It has several sections:

- Libellé / Titre sur le site(s):** A text input field with a placeholder "Libellé pour l'administration (non visible par le client)". Below it is a field for "Titre sur le site" with a lock icon.
- Code:** A text input field containing "axepta".
- Description:** A rich text editor with a toolbar containing icons for blocks, lists, format, alignment, insertion, and tools. The editor area is empty.
- Visuel:** A dropdown menu with the text "Sélectionner un visuel" and a plus icon.
- Critères d'application:** A section with a label "Qui vérifie" and a dropdown menu set to "toutes les". To the right is the text "conditions suivantes :". Below this is a large empty text area with a "+ Ajouter" button.
- Instruction de paiement:** Another rich text editor with the same toolbar as the description field, and an empty editor area.

Technical properties tab.

Select for the connector type : Connecteur de paiement Acepta

* Type

Some information about your current environnement is displayed. Make sure to use the appropriate configuration keys.

Attention, vous êtes sur un environnement de staging.

- **Configuration keys** : This information is provided by BNP.

Clés de configuration

* Clé d'activation
Votre clé d'activation n'a pu être validée. Merci de contacter le support du module.

* Merchant Id (MID)

* Clé de chiffrement Blowfish

* Clé HMAC

- **Connector Options** : Select your options for this connector.

Options du connecteur

Page de paiement iFrame (Si "non" page en redirection) ☒ Oui ☐ Non

Activer l'option Oneclick ☒ Oui ☐ Non

Activer la capture différée (si "non" capture automatique) ☒ Oui ☐ Non

Délai de capture Heures
Le délai de capture ne s'applique que aux paiements par carte.

- **Template personnalisé**

Template personnalisé

Utiliser un template personnalisé

☒ oui ☐ non

Template

Cards_BNP_globalBr

CCTemplate

SDDTemplate

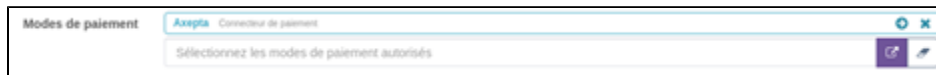
Allow to use Axepta custom page, see : <https://docs.axepta.bnpparibas/pages/viewpage.action?pageId=6914816#Pagedepaiement-Pagedepaiementducommer%C3%A7ant>

"Template", "CCTemplate" et "SDDTemplate" parameters are available.

- **Currencies** : Select allowed currencies for this connector.
- **Payment modes** : Select allowed payment modes for this connector.

To have this payment mode available in the checkout, you need to add it to the checkout process. /admin.php/Rbs/Commerce/Process/

You can create multiple connectors with a different configuration. You can have a connector dedicated to one payment mode for example.



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Transactions monitoring

From the url admin.php/Rbs/Order/Transaction/ select a transaction to see it's technical details.

Transactions						
Transaction	Connecteur de paiement	Statut	Date de traitement ⓘ	Montant	Remboursé	Action
[101344]	Connecteur Axepta (FRANCE)	Payé (Remboursé)	11 févr. 2021 18:15:24	30,00 €	30,00 €	Trailer
Chronologie						
Catégorie	Titre		Date	Source	Contexte	
	Remboursement validé par le prestataire de paiement		11 févr. 2021 18:15:24	Système	Transaction 101344	
	Demande de remboursement envoyée au prestataire de paiement		11 févr. 2021 18:15:19	Utilisateur (dev)	Remboursement 101363	
	Création du remboursement Créé pour la commande 202100000066		11 févr. 2021 18:14:36	Utilisateur (dev)	Remboursement 101363	

If the refund is accepted, you can validate it by selecting 'traitement manuel'

Remboursements		Remboursement
Remboursement [101363]		Traitement manuel

Developer Documentation :

Added a new payment method.

The documentation of alternative payment modes are available in the following page.

<https://docs.axepta.bnpparibas/display/DOCBNP/Alternative+payment+methods+Integration>

You should take exemple on already implemented payment mode.

1. Add a new class for each payment mode you want to add in App/Modules/Project/Axepta/PaymentModes.

This class will need to extend the PaymentModeBase and declare the buildDeportedPageQuery method.

```
public static function buildDeportedPageQuery(\Rbs\Payment\Documents\Transaction $transaction, $connectorId,
\Rbs\Website\Documents\Website $website, \Project\Axepta\Events\Documents\AxeptaEngine $engine): string
{
    $paymentRequest = parent::prepareDefaultPaymentRequest($transaction, $connectorId, $website,
$engine);    // PAYMENT_URL is specific to the payment mode and available in the
documentation.    $paymentRequest->setUrl(self::PAYMENT_URL);    return parent::validateAndBuildQueryString
($paymentRequest, $engine, $transaction, $website); }
```

Depending on the payment mode required parameters you will need to add them to the \$paymentRequest. (ie \$paymentRequestsetAccOwner (\$accountOwner);)

2. Add your payment trigram inside showPaymentModes() in the file App/Modules/Project/Axepta/Assets/Admin/directives.js
3. Add your payment trigram inside getEnabledPaymentModes() in the file App/Modules/Project/Axepta/Events/Documents/AxeptaEngine.php

and to getDeportedPageQuery() in the file App/Modules/Project/Axepta/Http/Ajax/DeportedPageQuery.php

4. Add the logo of the payment mode in the folder App/Modules/Project/Axepta/Assets/Theme/img/logos

The logo must be named after the trigram and the extension must be .png

Add of the FLOA Pay payment method

- Add the connector

To make FLOA payment methods (Deferred/ 3X/ 4X) available to your customers, you must configure a new connector from your BO at/admin.php /Rbs/Commerce/Connector/ and add it to the payment methods available in your payment process.

In the activation key section use the following key :

FLO;EUR;

hkZCG0Jgh+faBBsTCMpG2O4eq3lGuBI7JwsKSxnYbjcmFw0fvS5LQTxyobBXwB3JZJ3rHLCy

8N9p8Ne/nZwLju8qUE1xkbSXPw6rpYRjmFxsT8sDyMgexiaw7GUK05tK886562Ph4neoZ9kppgbZu8n

6ia5E3509vLKaHkovoqY=

- **Connector configuration**

Here is an example configuration with the test values provided by Floa :

FloaPay ☒ oui ☐ non

Configuration FloaPay

Merchant ID

Paielement différé 1x

Proposer ce mode ☒ oui ☐ non

Merchant site ID

Nombre de jours différé

1 à 30 jours pour la France. Pour les autres pays, les valeurs acceptées sont 14 ou 30 jours.

Minimum pour être applicable

Maximum pour être applicable

Paielement en 3 mensualités

Proposer ce mode ☒ oui ☐ non

Merchant site ID

Minimum pour être applicable

Maximum pour être applicable

Paielement en 4 mensualités

Proposer ce mode ☒ oui ☐ non

Merchant site ID

Minimum pour être applicable

Maximum pour être applicable

Montant en unité de devise (Nombre entier hors centimes)

- **Connector display with compatible modes**

Once configured, the connector will display with the others. FLOA buttons will display based on the min/max thresholds configured.

Total à payer

Reste à payer

☐ Payer par carte 

☒ Payer en plusieurs fois avec FloaPay 
Description FloaPay

FLOa  3X FLOa  4X

i When clicking on a Floa logo, the user is redirected to a remote page. Fill in the information for an eligibility result (display page) then in the second step, the card information n(payment page)

- **File page**

Vos achats 300,00 €

Renseignez ces informations pour vérifier votre éligibilité au paiement fractionné par carte bancaire :

* Civilité Monsieur

Téléphone portable

* Date de naissance Jour Mois Année

* Code postal de naissance

En cliquant sur "Envoyer", j'accepte que mes données soient utilisées aux fins d'évaluation de mon profil emprunteur.

[Plus d'informations ici.](#)

Envoyer

[Changer de mode de paiement](#)

- **Payment page**

Test cards are available at : <https://floapay.readme.io/reference/test-card-numbers>

Vos achats 300,00 €

Total de votre commande 304,59 €

! Moyen de paiement disponible uniquement pour les cartes bancaires (des réseaux Visa, Mastercard et CB) émises en France.

Paiement sécurisé par carte bancaire

* Carte: CB

* Numéro de carte :

* Date d'expiration : 11 2022

* Cryptogramme visuel : 3 derniers chiffres au dos de votre carte, à droite de la signature

En cliquant sur "Payer la commande", je reconnais avoir pris connaissance des [conditions générales du paiement en plusieurs fois.](#)

Payer la commande

Echéancier paiement 3x

1ère mensualité	101€⁵³	Le mardi 29 novembre 2022
2ème mensualité	101€⁵³	Le jeudi 29 décembre 2022
3ème mensualité	101€⁵³	Le samedi 28 janvier 2023

Add of the Apple Pay payment method

- **Apple Pay configuration**

Apple Pay is not supported by all devices and browsers, the list of supports is available here https://developer.apple.com/documentation/apple_pay_on_the_web/#2978468 (use of Apple Pay JS).

Here is what is implemented for the Axepta - Proximis connector :

Devices	minimal version	browsers
---------	-----------------	----------

Mac	macOS 10.12	All
i Phone	iOS 10	All

- **Connector configuration**

To integrate with Apple Pay, two certificates are required, the merchant identification certificate and the payment processing certificate.

Apple Pay side

Merchant identifier

Create an Apple Pay merchant ID by following the Apple documentation <https://developer.apple.com/help/account/configure-app-capabilities/configure-apple-pay-on-the-web>

Payment Processing Certificate



Axepta BNP Paribas Helpdesk starts the configuration and sends the CSR (Certificate Signing Request) by email to the technical contact identified during the integration phase. It is thus requested the Apple developer Merchant Id of the customer, which must be provided to its responsible business.

- Axepta BNP Paribas Helpdesk generates the .csr for the merchant
- Using this .csr, generate the file **apple-developer-merchantid-domain-association.txt** which will identify the merchant on the site
- Send your integrator the file apple-developer-merchantid-domain-association.txt obtained during the generation of your merchant ID so that it deposits it in the *App/Config/well-known*. This will allow in your next deployment to place this file at the root of your site in order to have it verified by Apple.

Merchant Identification Certificate



This certificate is different from the files obtained in the previous step. **For the second certificate, do not use the .csr generated by Axepta BNP Paribas Helpdesk, but create a new one from a MAC, as indicated in the Apple documentation mentioned above.**

- Generate on a Mac a file a file .csr
- From your Apple Developer Admin account generate a .cer certificate from the .csr file.
- Retrieve this certificate .cer on the Mac and group it with the key to the .csr file in your keychain.
- From this grouping in your keychain create a file .p12
- Then use this file .p12 to generate an **ApplePay.crt.pem** certificate file and a second file for the associated **ApplePay.key.pem** key (the file nomenclature must be respected).
- Open the terminal and run the commands below to split the .p12 in key and certificate, where ApplePayMerchantID_and_privatekey.p12 is the name of your file .p12

```
openssl pkcs12 -in ApplePayMerchantID_and_privatekey.p12 -out ApplePay.crt.pem -clcerts -nokeys
```

```
openssl pkcs12 -in ApplePayMerchantIdentity_and_privatekey.p12 -out ApplePay.key.pem -nocerts
```

- Drop these two .pem files in the App/Config/ApplePay directory of your project.

We recommend using a passphrase when generating the file pair .pem, it will have to be entered in the connector configuration in the Proximis Back-Office.



Make sure you have given the read access rights of these files to the server by changing their permissions

Proximis side

Payment connector

To allow your customers to pay via Apple Pay, you must activate the payment method in the connector configuration in Proximis :

Choix des moyens de paiement

Apple Pay ☒ oui ☐ non

Alipay ☐ oui ☐ non

You can then specify the different settings associated with Apple Pay:

Apple Pay

Merchant ID Apple

my.merchant.id.apple

Code pays du marchand

FR

Message du paiement

BNP Axepta Test

Passphrase associée au certificat

PASSPHRASE

Libellé de la ligne dans l'encart de paiement

Ma commande

Settings	Expected value
Merchant ID Apple	your merchant ID Apple Pay
Merchant country code	Merchant country code in ISO 3166 format (e.g. FR). This code is used to log in to payment. Associated Apple documentation https://developer.apple.com/documentation/apple_pay_on_the_web/applepaypaymentrequest/1916117-countrycode
Payment message	Label displayed in Apple Pay payment sheet to describe the user's payment. Associated Apple documentation https://developer.apple.com/documentation/apple_pay_on_the_web/applepaypaymentrequest/1916117-countrycode
Passphrase associated with the certificate	Passphrase associated with the Payment Processing Certificate . pem file pair. To indicate if a passphrase was used during the generation of these files.
Line label in the payment insert	

Apple Pay SDK Statement

In the Proximis BO go to "Settings > Common > HTML Code" and click on the "Add HTML code" button :

 Ajouter un code HTML

Then declare the Apple Pay SDK in your document : <https://applepay.cdn-apple.com/jsapi/v1/apple-pay-sdk.js>

proximis

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Communs Code HTML Apple Pay API SDK

Apple Pay API SDK Code HTML

Propriétés générales

État

4 traductions (fr, FR) +

Étiquettes (0)

+ Gérer les étiquettes

Autres opérations pour Apple Pay API SDK

Libellé Apple Pay API SDK

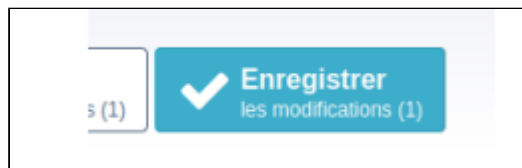
Contenu

```
<script src="https://applepay.cdn.apple.com/assets/apple-pay-sdk.js"></script>
```

Aucune propriété n'a été modifiée.

Retourner à la liste Annuler les modifications Enregistrer les modifications Supprimer ce document

Save your document:



Then go to the configuration of your payment page in the Proximis BO and declare a new block of type "HTML code" then fill in the previously created document containing the SDK as a parameter.

responsiveHeader

shortStore switchLang accountShort shortCart

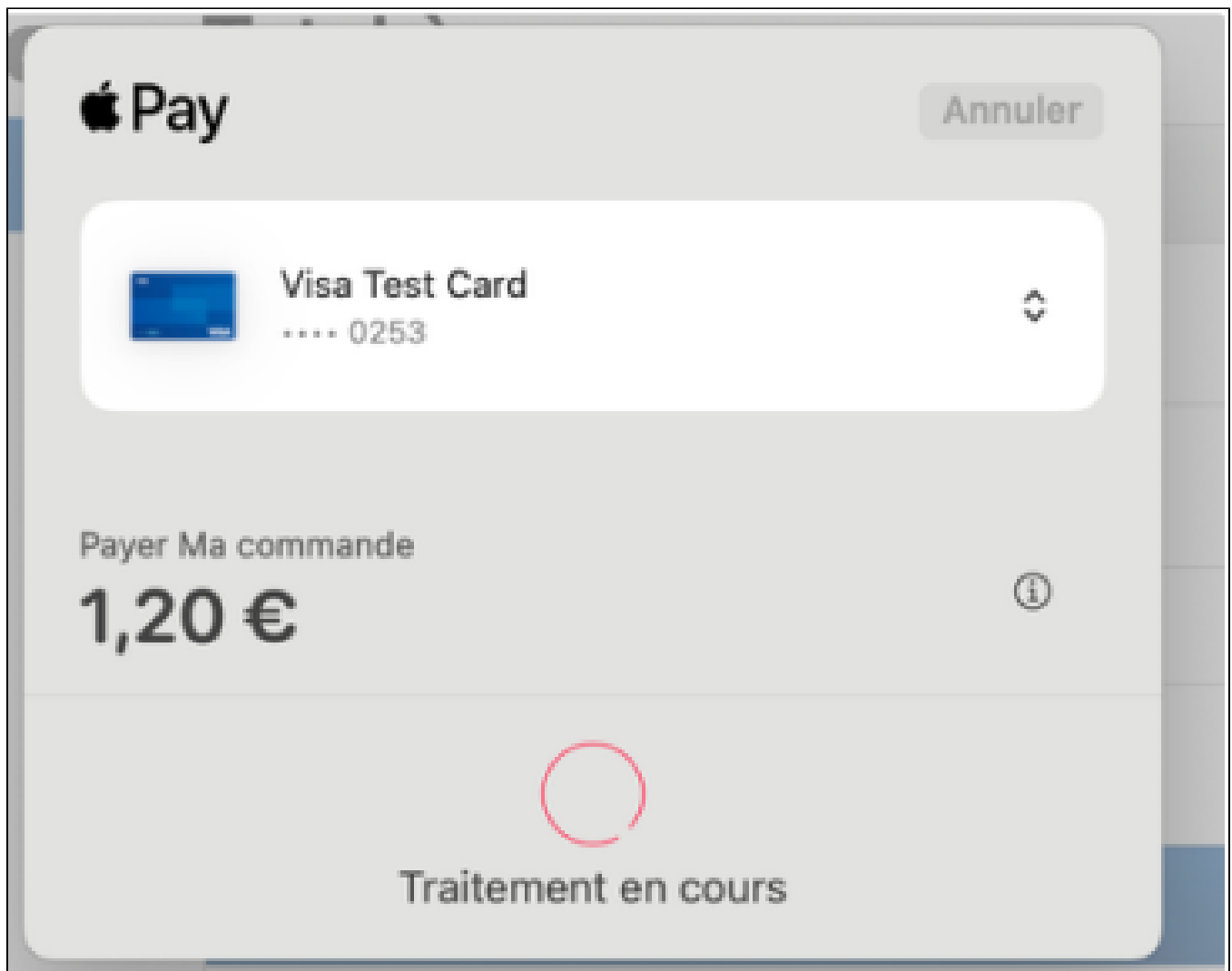
mainMenu

thread search

Processus de commande

Code HTML

storeSelector



How to customize the front template.

You can edit the twig file `App/Modules/Project/Axepta/Assets/Theme/ng-template/project-axepta-payment.twig` to remove the inline style and declare your own CSS rules.

Vos moyens de paiement déjà enregistrés.

VISA N° 411111XXXXXX1111

Expire le: 2032/12

Supprimer cette carte

☒ Enregistrer ces informations pour vos prochains paiements

The image shows a mobile payment interface for AXEPTA. At the top, it says 'Veuillez saisir votre numéro de carte:'. Below this are three icons for VISA, Mastercard, and AXEPTA. There are input fields for 'Numéro de carte', 'MM' (month), 'AA' (year), 'CVV', and 'Nom du titulaire de la carte'. Below these fields, it says 'Transaction sécurisée par' followed by the AXEPTA logo. At the bottom, there is a button labeled 'Payer 30EUR'. Below the main form, there are logos for Alipay, WeChat Pay, PayPal, and Bancontact.

How to declare new translations.

Right now the module is shipped with the fr_FR locale. But you can create a new folder for any locale. Take exemple on the files inside te folder App /Modules/Project/Axepta/Assets/l18n

You can always edit the translated strings from the translation manager.ua.php/lmsManager/Plugin/m.project.axepta

The image shows a web interface for editing translations. At the top, there is a breadcrumb trail: 'Selection d'un plugin' > 'm.project.axepta' > 'front' > 'fr_FR'. Below this, the title is 'Édition du fichier de traduction'. The language is set to 'fr'. The file path is 'm.project.axepta.front'. Below this, there is a section 'Afficher le texte dans une autre langue' with a dropdown menu. Below the dropdown, there is a button 'Afficher/masquer les entrées non-vides'. The main content area shows a list of translations with columns for 'Clé', 'Message', and 'Valeur dans le projet'. The first row shows 'access_payment_page' with the message 'Accéder à la page de paiement' and the value 'Accéder à la page de paiement'. The second row shows 'currency_not_allowed' with the message 'Le paiement avec cette devise n'est pas disponible' and the value 'Le paiement avec cette devise n'est pas disponible'. The third row shows 'save_my_card' with the message 'Enregistrer mes informations lors du prochain paiement ?' and the value 'Enregistrer mes informations lors du prochain paiement ?'. The fourth row shows 'expire_on' with the message 'Expire le:' and the value 'Expire le:'.

PayPal testing

If you would like to test PayPal in a test environment, please follow the [instructions in order to activate the Sandbox](#).

Description of available methods of payment

Logo	Nom	Catégorie	Région d'émission	Pays	Devises
	American Express	Carte	International	France ; Italie ; Belgique ; Luxembourg ; Royaume-Uni ; Irlande ; Pays-Bas ; Espagne ; Allemagne ; Portugal ; Suisse ; Autriche ; Slovaquie ; Slovénie ; Suède ; Danemark ; Norvège ; Finlande ; Estonie ; Lituanie ; Lettonie ; Grèce	EUR ; GBP ; CHF ; USD ; AUD ; CAD ; DKK ; JPY ; NOK ; PLN ; SEK
	Apple Pay	Wallet	International	France ; Italie ; Belgique ; Luxembourg ; Royaume-Uni ; Irlande ; Pays-Bas ; Espagne ; Allemagne ; Portugal ; Suisse ; Autriche ; Slovaquie ; Slovénie ; Suède ; Danemark ; Norvège ; Finlande ; Estonie ; Lituanie ; Lettonie ; Grèce	EUR ; GBP ; CHF ; DKK ; USD ; CAD ; JPY ; NOK ; SEK ; PLN ; AUD
	CB	Carte	France	France	EUR
	FLOA	BNPL	Europe	France ; Italie ; Belgique ; Espagne ; Allemagne ; Portugal	EUR
	Master card	Carte	International	France ; Italie ; Belgique ; Luxembourg ; Royaume-Uni ; Irlande ; Pays-Bas ; Espagne ; Allemagne ; Portugal ; Suisse ; Autriche ; Slovaquie ; Slovénie ; Suède ; Danemark ; Norvège ; Finlande ; Estonie ; Lituanie ; Lettonie ; Grèce	EUR ; GBP ; CHF ; DKK ; USD ; CAD ; JPY ; NOK ; SEK ; PLN ; AUD
	Paypal	Wallet	International	France ; Italie ; Belgique ; Luxembourg ; Royaume-Uni ; Irlande ; Pays-Bas ; Espagne ; Allemagne ; Portugal ; Suisse ; Autriche ; Slovaquie ; Slovénie ; Suède ; Danemark ; Norvège ; Finlande ; Estonie ; Lituanie ; Lettonie ; Grèce	EUR ; GBP ; USD ; CAD
	Visa	Carte	International	France ; Italie ; Belgique ; Luxembourg ; Royaume-Uni ; Irlande ; Pays-Bas ; Espagne ; Allemagne ; Portugal ; Suisse ; Autriche ; Slovaquie ; Slovénie ; Suède ; Danemark ; Norvège ; Finlande ; Estonie ; Lituanie ; Lettonie ; Grèce	EUR ; GBP ; CHF ; DKK ; USD ; CAD ; JPY ; NOK ; SEK ; PLN ; AUD

Using CustomFields

Calls to the remote page are enriched with customFields :

1	CustomField1	Dynamic Currency + amount
2	CustomField2	Dynamic Order Number The order number is not available until the payment is returned. Therefore, this field should not be sent
3	CustomField3	Manual Merchant Logo Free text field
4	CustomField4	Dynamic Label of all products in the basket, with options and axes of variation
5	CustomField5	Dynamic Buyer Details: - Civ first name - email address
6	CustomField6	Dynamic Ship To Address

7	CustomField7	Dynamic Billing Address
8	CustomField8	Manual free text input ("header" in the example)
9	CustomField9	Manual free text input ("Custom text" in the example)

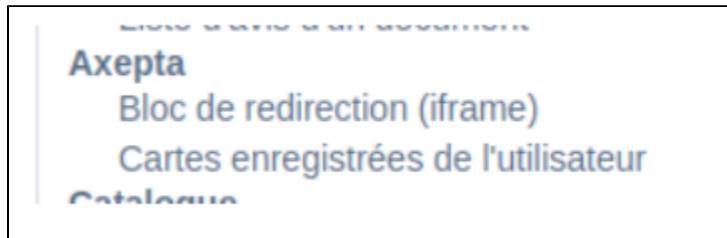
- a yes/no toggle allows the merchant to choose whether or not to send a customField.
- if one of the fields is blank, it is not sent

User Saved Cards Block

This block allows the user to manage the payment cards they have saved on the different Axepta payment connectors of your site via the OneClick. You can set up this block on one of your pages or on a specific page that the user can access.

Block Contribution

Add the block "Registered user cards"



This block does not require the configuration of any particular parameters.

Block Rendering

Mes cartes enregistrées				
Émetteur	Numéro	Date d'expiration	Titulaire de la carte	
VISA	411111XXXXXX1111	Expire le: 2030/03	JEAN DUPONT	Supprimer cette carte
VISA	XXXX XXXX XXXX X434	Expire le: 2030/03	JEAN DUPONT	Supprimer cette carte
VISA	411111XXXXXX1111	Expire le: 2034/03	JEAN DUPONT	Supprimer cette carte
VISA	411111XXXXXX1111	Expire le: 2032/03	JEAN DUPONT	Supprimer cette carte
VISA	411111XXXXXX1111	Expire le: 2035/03	JEAN DUPONT	Supprimer cette carte

This is the default rendition of the block.

As a native Proximis block this block is customizable (template `Cleverage/Axepta/Assets/Theme/Blocks/user-saved-cards.twig`).

Checkout V2



Compatible from V2 checkout version 2.1.1.

In order to use the Acepta payment connector on the Proximis V2 payment tunnel, the property "**Connector used on the V2 checkout**" must be changed to **yes** in the connector configuration:

Options du connecteur

Connecteur utilisé sur le checkout V2	☒ oui ☐ non
Page de paiement iFrame (Si "non" page en redirection)	☒ oui ☐ non

This will allow access to the connector from the V2 payment tunnel.



A connector that has the checkout property V2 to yes will not be able to be used on the checkout V1 and vice versa. Each configured Acepta connector can only be compatible with a control process

The payment methods available on checkout V2 are:

- Payment by card
- Paypal
- FloaPay

The use of the registered cards is not yet available on the V2 checkout.

An AceptaManager and an AceptaService have been set up.

The AceptaService allows you to serve the AceptaManager which allows you to retrieve the template of the payment method selection form and the associated JS script file.

Both files are located in the directory `Plugins/Modules/Cleverage/Acepta/Assets/NewCheckout` under the name `form.twig` and `script.js`.

If you want to overload the template of the payment method selection form, you can log in to the event `getCheckoutV2Html` the AceptaManager to specify your specific template.