Systempay

Solutions d'avance

Adding the payment button
for Chèque-Vacances Connect

Implementation guide

Document version 1.6

Contents

1. HISTORY OF THE DOCUMENT

Version	Author	Date	Comment
1.6	BPCE Payment Services	04/29/2024	Details added on cancellations and refunds in the chapter: • Technical information
1.5	BPCE Payment Services	11/30/2020	• Added information on partial cancellation. • Updated the *Presentation*, *Technical details* and *Prerequisites*.
1.4	BPCE Payment Services	09/08/2020	Updated the capture delay.
1.3	BPCE Payment Services	08/24/2020	The **vads_order_id** order number is optional.
1.2	BPCE Payment Services	07/31/2020	• Updated the payment workflow. • Added the *Integration in the customer journey* chapter. • Updated the **vads_order_id** field format. • Updated the **vads_payment_cards** field description in the *Creating a payment request* chapter. • Added the **vads_sequence_number** field description in the *Processing the response data* chapter.
1.1	BPCE Payment Services	05/25/2020	Initial version

2. PRESENTATION

To continue its digital transformation, the Agence Nationale des Chèques-Vacances offers a new electronic payment method: Chèque-Vacances Connect.

Chèque-Vacances Connect allows beneficiaries to use their Holiday Vouchers (chèques vacances) for payments to all tourism and culture professionals affiliated to the ANCV network, such as hotels, restaurants, leisure parks and transport companies.

Using an application downloaded to their smartphone, the beneficiary can view available offers, check their balance and make purchases quickly and directly, via automatic terminals or on the Internet.

During payment validation via the application, beneficiaries have the possibility to use all their balance to pay for their purchase.

However, if the balance is insufficient or if they wish to pay only part of the amount using holiday vouchers, the remaining amount will need to be paid by credit card.

For the Merchant, this solution presents several advantages, such as enhanced visibility via the application for accessing a wider customer base, as well as simplified and faster refunds.

Supported currencies	• EUR
Supported countries	• France

Details information

- It is recommended to provide a different payment button for each payment method (1 button for CB payment, 1 button for the CVCO payment, 1 button for E_CV payment, etc.) on the merchant website.

- For the CVCO payment method, display a logo and text explaining that these are CVCO and not eCV.

- The minimum amount is €20.

- The order number is optional.

- Manual validation is not supported.

- Deferred payments are not allowed to exceed 3 days.

- Partial refund is not supported.

- Partial cancellation is not supported.

3. TECHNICAL INFORMATION

Field values vads_card_brand	Supported currencies	Supported countries	Authorization validity period	Payment process
CVCO	EUR	FR	3 days	Deferred capture

Sales channel	
e-commerce	✅
m-commerce	✅
MOTO payment	❌
Interactive Voice Server	❌
Payment order by e-mail/SMS	✅

Operations with transactions	
Cancellation (subject to condition*)	✅
Refund (subject to condition**)	✅
Modification	✅
Validation	❌
Duplication	❌
Manual reconciliation	✅

* After validation, the customer cannot cancel the transaction. However, the merchant has four (4) hours after validation to cancel the transaction.

** A refund of the amount paid with CV Connect is only possible if the cancellation is registered within (4) hours of the transaction. If you use an additional payment method, the balance paid by credit card will be refunded.

Type of integration	
Redirection	✅
Iframe	✅
JavaScript Client	❌
Data collection form	✅
API Web Services	❌
Mobile SDK	❌
Back Office	❌

Payment type	
Immediate payment	✅
Deferred payment	✅
Payment in installments	❌
Payment by subscription	❌
Payment by file (token or batch)	❌
One-click payment	❌
Payment by wallet	❌

Miscellaneous	
Reporting	✅
Transaction settlement	❌
Chargeback settlement	❌
Extra payment attempts	❌

4. PREREQUISITES

To offer Chèque-Vacances Connect payment on your merchant website, you must:

- select the "Payment via Chèque-Vacances Connect option,

- sign an acceptance agreement with ANCV;

- contact E-commerce customer service to declare the "Shop Id" provided by ANCV.

5. INTEGRATION IN THE CUSTOMER JOURNEY

In order to simplify the customer journey, increase the transformation rate and thus reduce the number of abandoned orders, it is recommended to:

• select the payment method on the merchant website,

• generate a payment button for each type of payment method.

Example of payment method selection:

6. PAYMENT PROCESS

The diagram below presents the exchange process from the point of view of the buyer.

The buyer pays the whole amount with Chèques-Vacances :
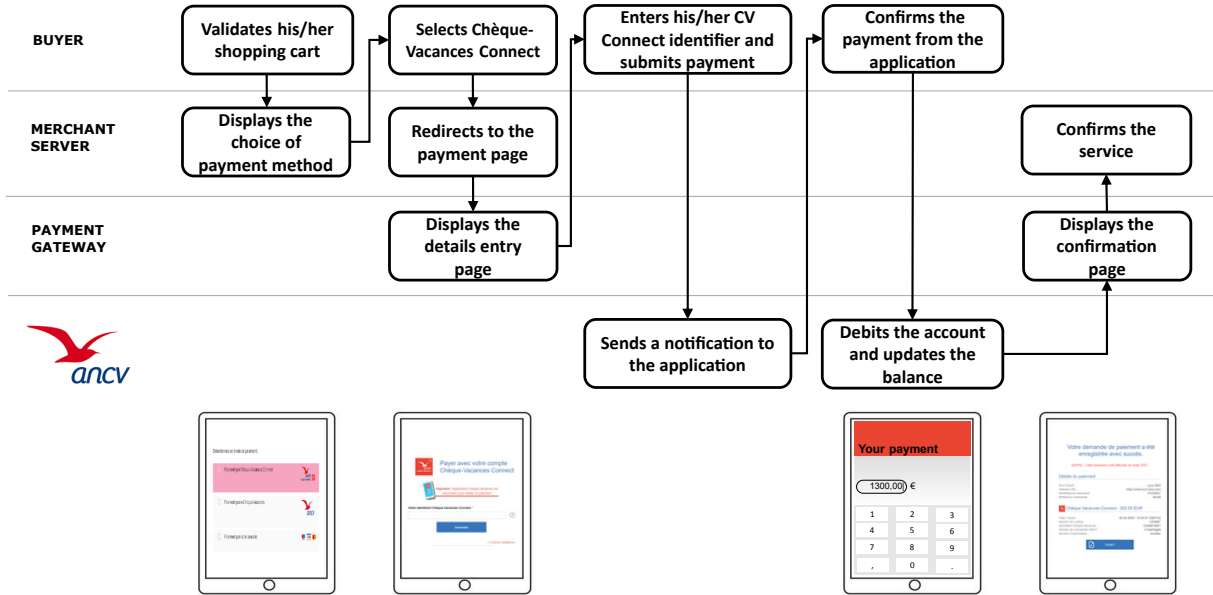
The buyer chooses to pay only a part of the amount with Chèques-Vacances (or the balance is not sufficient) :
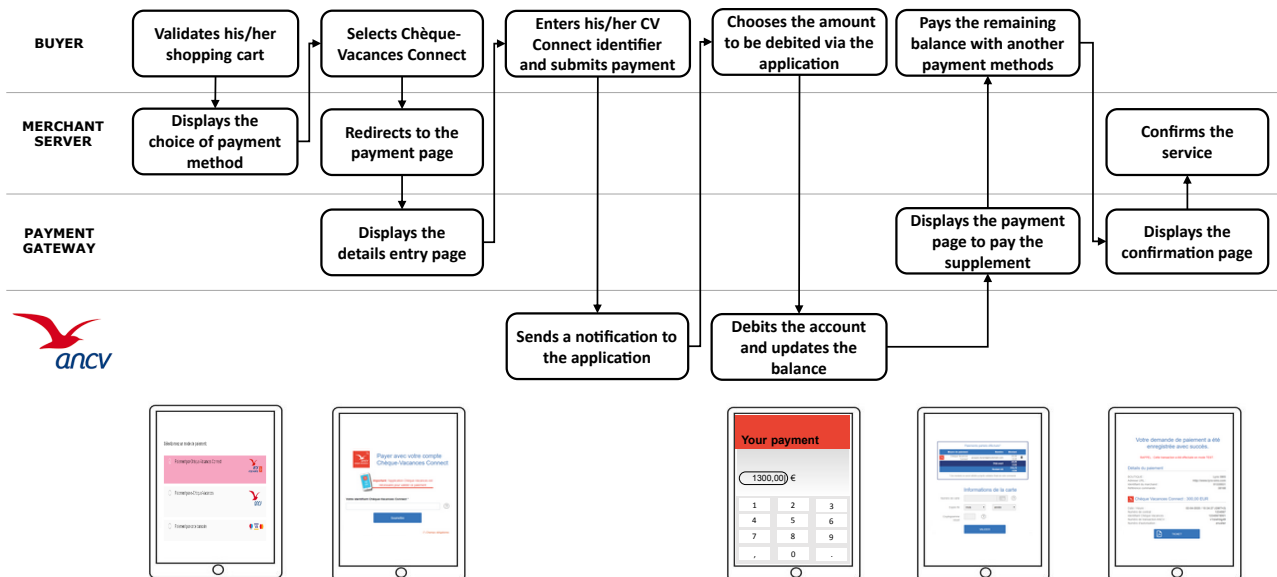
Note:

If the amount to be paid is lower than €20, the payment page will not offer the Chèque-Vacances Connect payment method.

If the amount to be paid is greater than €20 but the balance on the ANCV account is less than €20, the buyer can use the balance on the account and complete it with another payment method.

However, the payment will be refused due to "insufficient funds" if the shop does not have a contract allowing the payment of the remaining amount.

7. ESTABLISHING INTERACTION WITH THE PAYMENT GATEWAY

The interaction with the payment gateway is described in the Hosted Payment Page guide:

The merchant website and the payment gateway interact by exchanging data.

To create a payment, this data is sent in an HTML form via the buyer's browser.

At the end of the payment, the result is transmitted to the merchant website in two ways:

• automatically by means of notifications called Instant Notification URLs (also known as IPN or Instant Payment Notification);

• Via the browser when the buyer clicks the button to return to the merchant website.

To guarantee the security of the exchange, the data is signed with a key known only to the merchant and the payment gateway.

8. SETTING UP NOTIFICATIONS

The Merchant Back Office provides several types of notifications:

- Instant Payment Notification URL call

- E-mail sent to the merchant

- E-mail sent to the buyer

- SMS sent to the merchant

- SMS sent to the buyer

The notification is sent according to the event that takes place (payment accepted, abandonment by the buyer, cancellation by the merchant, etc.).

> ⚠ Instant Payment Notification URL call-type notifications are the most important. They are the only reliable way for the merchant website to obtain the payment result.

Instant Payment Notification URL failed

If the platform is unable to reach your URL, it sends an e-mail to the specified address.

This e-mail contains:

- the HTTP code of the encountered;

- Parts of analysis depending on the error;

- the consequences of error;

- instructions via the Merchant Back Office to resend the request to the previously defined URL.

Access to notification rules management

Go to the following menu **Settings** > **Notification rules**.

Instant Payment Notification	E-mail sent to the merchant	E-mail sent to the buyer
Enabled ▼		**Reference**
✖		Instant Payment Notification URL on batch authorization
✔		Instant Payment Notification URL at the end of the payment
✖		Instant Payment Notification URL on batch change
✖		Instant Payment Notification URL on cancellation
✖		Instant Payment Notification URL on an operation coming from the Back Office

8.1. Setting up the Instant Payment Notification

The payment gateway notifies on the merchant website in the following cases:

• Payment accepted

• Payment refused

• Payment canceled or abandoned by the buyer

This notification is required to communicate the result of the payment request.

It will inform the merchant website of the payment result even if your client has not clicked the "Return to the shop" button.

1. Right-click **Instant Payment Notification URL at the end of the payment**.

2. Select **Manage the rule**.

3. Enter the **E-mail address(es) to notify in case of failure** field in the "General settings" section. To specify several e-mail addresses, separate them with a semi colon (;).

4. Check the box **Automatic retry in case of failure** if you wish to authorize the gateway to automatically resend the notification in case of a failure (can be done up to 4 times).

5. If you wish to receive notifications in API Form format, enter the URL of your page in **URL to notify in TEST mode** and **URL to notify in PRODUCTION mode** field in the "Instant Payment Notification URL of the API form V1, V2" section.

6. Save the changes.

8.2. Setting up notifications in case of abandoned or canceled payments

This rule allows to notify the merchant website if one of the following cases occur **during the complementary payment**:

• Abandon/cancel, if the buyer clicks on **Cancel and return to shop**.

• The buyer did not complete their payment before the expiration of the payment session.

   The length of a payment session is 10 minutes.

This rule is **disabled by default**.

1. Right-click **Instant Payment Notification URL on cancellation**.

2. Select **Manage the rule**.

3. Enter the **E-mail address(es) to notify in case of failure** field in the "General settings" section. To specify several e-mail addresses, separate them with a semi colon (;).

4. Check the box **Automatic retry in case of failure** if you wish to authorize the gateway to automatically resend the notification in case of a failure (can be done up to 4 times).

5. If you wish to receive notifications in API Form format, enter the URL of your page in **URL to notify in TEST mode** and **URL to notify in PRODUCTION mode** field in the "Instant Payment Notification URL of the API form V1, V2" section.

6. Save the changes.

7. Enable the rule by right-clicking **Instant Payment Notification URL on cancellation** and select **Enable the rule**.

9. GENERATING A PAYMENT FORM

You must build an HTML form as follows:

```
<form method="POST" action="https://paiement.systempay.fr/vads-payment/">
 <input type="hidden" name="parameter1" value="value1" />
 <input type="hidden" name="parameter2" value="value2" />
 <input type="hidden" name="parameter3" value="value3" />
 <input type="hidden" name="signature" value="signature"/>
 <input type="submit" name="pay" value="Pay"/>
</form>
```

It contains:

- The technical elements:

    - the <form> and </form> tags that allow to create an HTML form;

    - the method="POST" attribute that defines the method used for sending data;

    - the action="https://paiement.systempay.fr/vads-payment/" attribute that defines where to send the form data.

- Form data

    - the shop ID;

    - information about the payment depending on the use case;

    - additional information depending on your needs;

    - the signature that ensures the integrity of the form.

    This data is added to the form by using the <input> tag:

    <input type="hidden" name="parametre1" value="valeur1"/>

    For setting the name and value attributes, see chapter Data dictionary.

    All the data in the form must be encoded in UTF-8.

    This will allow for the special characters (accents, punctuation marks, etc.) to be correctly interpreted by the payment gateway. Otherwise, the signature will be computed incorrectly and the form will be rejected.

- The **Pay** button for submitting the data

    <input type="submit" name="pay" value="Pay"/>

The use cases presented in the following chapters will enable you to build your payment form according to your needs.

Indications on the different possible formats when building your form:

Notation	Description
a	Alphabetic characters (from 'A' to 'Z' and from 'a' to 'z')
n	Numeric characters
s	Special characters
an	Alphanumeric characters
ans	Alphanumeric and special characters (except < and >)
3	Fixed length of 3 characters
..12	Variable length up to 12 characters
json	JavaScript Object Notation.

Notation	Description
	Object containing key/value pairs separated by commas **,** . It starts with a left brace **{** and ends with a right brace **}** . Each key/value pair contains the key name in quotation marks followed by a colon, followed by a value in quotation marks **"name" : "value"**. The name of the key must be alphanumeric. The value can be: • a string of characters (in this case it must be framed by straight quotes "); • a number; • an object; • a table; • a boolean; • empty. Example: **{"name1":45,"name2":"value2", "name3":false}**
bool	Boolean. Can take the value **true** or **false**.
enum	Defines a field with a complete list of values. The list of possible values is given in the field definition.
Enum list	List of values separated by a " **;** ". The list of possible values is given in the field definition. Example: **vads_available_languages=fr;en**
map	List of key / value pairs separated by a " **;** ". Each key / value pair contains the name of the key followed by " **=** ", followed by a value. The value can be: • a chain of characters; • a boolean; • a json object; • an xml object. The list of possible values for each key/value pair is provided in the field definition. Example: **vads_theme_config=SIMPLIFIED_DISPLAY=true;RESPONSIVE_MODEL=Model_1**

9.1. Creating a payment request

1. Use all the fields presented in the table below to create your payment form.

Field name	Description	Format	Value
vads_payment_cards	Allows to force the card type to be used. ANCV recommends to provide a different payment button for each payment method on the merchant website. **It is recommended not to leave the field empty**.	enum	**CVCO** to directly call the Chèque-Vacances Connect payment button.
vads_order_id	Order ID. Optional field. Can contain uppercase or lowercase characters, numbers or hyphens ([A-Z] [a-z], 0-9, _, -).	ans..64	E.g.: CDE-fr-04_2020
vads_page_action	Action to perform	enum	PAYMENT
vads_amount	Payment amount in the smallest currency unit (cents for euro)	n..12	E.g.: 4525 for EUR 45.25
vads_ctx_mode	Mode of interaction with the payment gateway	enum	TEST or PRODUCTION
vads_currency	Numeric currency code to be used for the payment, in compliance with the ISO 4217 standard (numeric code).	n3	Possible values: • **978** (EUR)
vads_capture_delay	Delay before capture in the bank. Any capture delay that exceeds 3 days will be ignored and reduced to 3 days.	n..3	E.g.: 0
vads_action_mode	Acquisition mode for payment method data	enum	INTERACTIVE
vads_payment_config	Payment type	enum	SINGLE
vads_site_id	Shop ID	n8	E.g.: 12345678
vads_trans_date	Date and time of the payment form in UTC format	n14	Respect the YYYYMMDDHHMMSS format E.g.: 20200101130025
vads_trans_id	Transaction number. Must be unique within the same day (from 00:00:00 UTC to 23:59:59 UTC). **Warning: this field is not case sensitive.**	an6	E.g.: xrT15p
vads_version	Version of the exchange protocol with the payment gateway	enum	**V2**

2. Add the optional fields described in the following chapters according to your requirements.

3. Compute the value of the signature field using all the fields of your form that start with **vads_** (see: **Computing the signature** *Implementation Guide Hosted Payment Page* available on our documentation site).

9.2. Transmitting buyer details

The buyer's details (e-mail address, title, telephone number, etc.) are used as billing details.

All the transmitted details are displayed in the transaction details (**Buyer** tab) in the Merchant Back Office.

Use optional fields according to your requirements. *These fields will be returned with the response and will include the value transmitted in the form.*

Field name	Description	Format	Value
vads_cust_email	Buyer's e-mail address	ans..150	E.g.: abc@example.com
vads_cust_id	Buyer reference on the merchant website	an..63	E.g.: C2383333540
vads_cust_national_id	National identifier	ans..255	E.g.: 940992310285
vads_cust_title	Buyer's title	an..63	E.g.: M
vads_cust_status	Status	enum	PRIVATE: for private clients **COMPANY**: for companies
vads_cust_first_name	First name	ans..63	E.g.: Laurent
vads_cust_last_name	Last name	ans..63	E.g.: Durant
vads_cust_legal_name	Buyer's legal name	ans..100	E.g.: D. & Cie
vads_cust_phone	Phone number	an..32	E.g.: 0467330222
vads_cust_cell_phone	Cell phone number	an..32	E.g.: 06 12 34 56 78
vads_cust_address_number	Street number	ans..64	E.g.: 109
vads_cust_address	Postal address	ans..255	E.g.: Rue de l'innovation
vads_cust_address2	Address line 2	ans..255	E.g.:
vads_cust_district	District	ans..127	E.g.: Centre ville
vads_cust_zip	Zip code	an..64	E.g.: 31670
vads_cust_city	City	an..128	E.g.: Labège
vads_cust_state	State / Region	ans..127	E.g.: Occitanie
vads_cust_country	Country code in compliance with the ISO 3166 alpha-2 standard	a2	E.g.: "FR" for France, "PF" for French Polynesia, "NC" for New Caledonia, "US" for the United States.

Note

vads_cust_phone and **vads_cust_cell_phone** fields accept all formats:

Examples:

- 0123456789
- +33123456789
- 0033123456789
- (00.571) 638.14.00
- 40 41 42 42

9.3. Transmitting shipping details

The buyer's shipping details include the address, title, telephone number, etc..

This information can be found in the transaction details in the Merchant Back Office (**Shipping tab**).

Use optional fields according to your requirements. *These fields will be returned with the response and will include the value transmitted in the form.*

Field name	Description	Format	Value
vads_ship_to_city	City	an..128	E.g.: Bordeaux
vads_ship_to_country	Country code in compliance with the ISO 3166 standard (required for triggering one or more actions if the **Shipping country control** profile is enabled).	a2	E.g.: FR
vads_ship_to_district	District	ans..127	E.g.: La Bastide
vads_ship_to_first_name	First name	ans..63	E.g.: Albert
vads_ship_to_last_name	Last name	ans..63	E.g.: Durant
vads_ship_to_legal_name	Legal name	an..100	E.g.: D. & Cie
vads_ship_to_phone_num	Phone number	ans..32	E.g.: 0460030288
vads_ship_to_state	State / Region	ans..127	E.g.: Nouvelle Aquitaine
vads_ship_to_status	Allows to specify the type of the shipping address.	enum	**PRIVATE**: for shipping to a private individual **COMPANY**: for shipping to a company
vads_ship_to_street_number	Street number	ans..64	E.g.: 2
vads_ship_to_street	Postal address	ans..255	E.g.: Rue Sainte Catherine
vads_ship_to_street2	Address line 2	ans..255	
vads_ship_to_zip	Zip code	an..64	E.g.: 33000

-

9.4. Transmitting order details

The merchant can indicate in their payment form if they wish to transfer the order details (order reference, description, shopping cart contents, etc.).

This information can be found in the transaction details in the Merchant Back Office (**Shopping cart** tab).

1. Use optional fields according to your requirements. These fields will be returned with the response and will include the value transmitted in the form.

Field name	Description	Format	Value
vads_order_info	Additional order info	ans..255	E.g.: Door code 3125
vads_order_info2	Additional order info	ans..255	E.g.: No elevator
vads_order_info3	Additional order info	ans..255	E.g.: Express
vads_nb_products	Number of items in the cart	n..12	E.g.: 2
vads_product_ext_idN	Product barcode on the merchant website. N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).		E.g.: vads_product_ext_id0 = "0123654789123654789" vads_product_ext_id1 = "0223654789123654789"
vads_product_labelN	Item name. N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).	ans..255	E.g.: vads_product_label0 = "Dated 3 days stay" vads_product_label1 = "Private concert"
vads_product_amountN	Item amount expressed in the smallest currency unit. N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).	n..12	E.g.: vads_product_amount0 = "32150" vads_product_amount1 = "10700"
vads_product_typeN	Item type. N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).	enum	E.g.: vads_product_type0 = "TRAVEL" vads_product_type1 = "ENTERTAINMENT"
vads_product_refN	Item reference. N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).	an..64	E.g.: vads_product_ref0 = "1002127784" vads_product_ref1 = "1002127693"
vads_product_qtyN	Item quantity. N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).	n..12	E.g.: vads_product_qty0 = "1" vads_product_qty1 = "1"

2. Populate the vads_nb_products field with the number of items contained in the cart.

> **ℹ** We recommend making it compulsory to populate the field in order to take the cart into account. This involves populating the other fields starting with vads_product_ to obtain the cart details.
>
> Cart details are displayed in the **Shopping cart** tab via the Merchant Back Office.

3. Populate the **vads_product_amountN** field with the amount for the items in the cart, using the smallest currency unit.

   N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).

4. Populate **vads_product_typeN** with the value corresponding to the item type.

   N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).

Value	Description
FOOD_AND_GROCERY	Food and grocery

Value	Description
AUTOMOTIVE	Cars / Moto
ENTERTAINMENT	Entertainment / Culture
HOME_AND_GARDEN	Home / Gardening
HOME_APPLIANCE	Household appliances
AUCTION_AND_GROUP_BUYING	Auctions / Group purchasing
FLOWERS_AND_GIFTS	Flowers / Presents
COMPUTER_AND_SOFTWARE	Computers / Software
HEALTH_AND_BEAUTY	Health / Beauty
SERVICE_FOR_INDIVIDUAL	Services for individuals
SERVICE_FOR_BUSINESS	Services for companies
SPORTS	Sports
CLOTHING_AND_ACCESSORIES	Clothes / Accessories
TRAVEL	Travel
HOME_AUDIO_PHOTO_VIDEO	Audio / Photo / Video
TELEPHONY	Telephony

5. Populate **vads_product_labelN** with the name of each item contained in the cart.

   N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).

6. Populate **vads_product_qtyN** with the quantity of each item contained in the cart.

   N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).

7. Populate **vads_product_refN** with the reference of each item contained in the cart.

   N corresponds to the index of the item (0 for the first one, 1 for the second one, etc.).

8. Check the value of the **vads_amount** field. It must correspond to the total amount of the order.

9.5. Creating specific fields according to your requirements

The merchant can transmit specific information in the payment form. For example, the merchant can add information in the payment confirmation e-mail that he or she will receive.

This information will be visible in the Back Office, in transaction details (**Extras** tab), and will also be returned in the notification URL.

The name must begin with **vads_ext_info** to be taken into account.

vads_ext_info_*name*=*value*

Where:

- *name*

  Allows to define the name of the field.

- *value*

  Allows to define the value of the field.

There are no restrictions to the number of specific fields that can be created.

These fields will be returned in the response and will include the value transmitted in the form.

Examples:

```
<form method="POST" action="https://paiement.systempay.fr/vads-payment/">
[...]
<input type="hidden" name="vads_ext_info_Arrival_Date" value="22/07/2020" />
<input type="hidden" name="vads_ext_info_Departure_Date" value="24/07/2020" />
<input type="hidden" name="vads_ext_info_Nb_Adults" value="1" />
<input type="hidden" name="vads_ext_info_Nb_Child" value="" />
[...]
<input type="submit" name="pay" value="Pay"/>
</form>
```

10. SENDING THE PAYMENT REQUEST

To finalize a purchase, the buyer must be redirected to the payment page.

His browser must transmit the payment form data.

10.1. Redirecting the buyer to the payment page

The URL of the payment gateway is:

https://paiement.systempay.fr/vads-payment/

Example of parameters sent to the payment gateway:

This example shows all the fields that can be sent if this information is available in your information system. Depending on your business needs, certain fields may not be sent.

```
<form method="POST" action="https://paiement.systempay.fr/vads-payment/">
<input type="hidden" name="vads_action_mode" value="INTERACTIVE" />
<input type="hidden" name="vads_amount" value="2990" />
<input type="hidden" name="vads_currency" value="978" />
<input type="hidden" name="vads_cust_id" value="Client" />
<input type="hidden" name="vads_cust_status" value="PRIVATE" />
<input type="hidden" name="vads_cust_first_name" value="Jeanne" />
<input type="hidden" name="vads_cust_last_name" value="Gauthier" />
<input type="hidden" name="vads_cust_phone" value="0123456789" />
<input type="hidden" name="vads_cust_cell_phone" value="0623456798" />
<input type="hidden" name="vads_cust_email" value="jg@sample.com" />
<input type="hidden" name="vads_cust_address_number" value="215" />
<input type="hidden" name="vads_cust_address" value="Av du Maréchal De Lattre de Tassigny" />
<input type="hidden" name="vads_cust_zip" value="75013" />
<input type="hidden" name="vads_cust_city" value="PARIS" />
<input type="hidden" name="vads_cust_country" value="FR" />
<input type="hidden" name="vads_ctx_mode" value="TEST" />
<input type="hidden" name="vads_ext_info_Arrival_Date" value="22/07/2020" />
<input type="hidden" name="vads_ext_info_Departure_Date" value="24/07/2020" />
<input type="hidden" name="vads_ext_info_Nb_Adults" value="1" />
<input type="hidden" name="vads_ext_info_Nb_Child" value="0" />
<input type="hidden" name="vads_order_id" value="CMD012859" />
<input type="hidden" name="vads_page_action" value="PAYMENT" />
<!-- ANCV recommends sending only one value in the vads_payment_cards field
to prevent the buyer from making an additional choice in the payment page.-->
<input type="hidden" name="vads_payment_cards" value="CVCO" />
<input type="hidden" name="vads_payment_config" value="SINGLE" />
<input type="hidden" name="vads_nb_products" value="1" />
<input type="hidden" name="vads_product_label0" value="TRAVEL" />
<input type="hidden" name="vads_product_ref0" value="ZJJ5520" />
<input type="hidden" name="vads_product_qty0" value="1" />
<input type="hidden" name="vads_product_amount0" value="68500" />
<input type="hidden" name="vads_product_type0" value="TRAVEL" />
<input type="hidden" name="vads_ship_to_type" value="ETICKET" />
<input type="hidden" name="vads_ship_to_speed" value="STANDARD" />
<input type="hidden" name="vads_ship_to_delay" value="IMMEDIATE" />
<input type="hidden" name="vads_ship_to_first_name" value="Jeanne" />
<input type="hidden" name="vads_ship_to_last_name" value="Gauthier" />
<input type="hidden" name="vads_ship_to_phone_num" value="0123456789" />
<input type="hidden" name="vads_ship_to_street_number" value="215" />
<input type="hidden" name="vads_ship_to_street" value="Av du Maréchal De Lattre de Tassigny" />
<input type="hidden" name="vads_ship_to_zip" value="75013" />
<input type="hidden" name="vads_ship_to_city" value="PARIS" />
<input type="hidden" name="vads_ship_to_country" value="FR" />
<input type="hidden" name="vads_site_id" value="12345678" />
<input type="hidden" name="vads_trans_date" value="20200326101407" />
<input type="hidden" name="vads_trans_id" value="362812" />
<input type="hidden" name="vads_version" value="V2" />
<input type="hidden" name="signature" value="NM25DPLKEbtGEHCDHn8MBT4ki6aJI/ODaWhCzCnAfvY="/>
<input type="submit" name="pay" value="Pay"/>
</form>
```

10.2. Processing errors

If the payment gateway detects an error while receiving the form, an error message is displayed and the buyer can not be to proceed to the payment.

In test mode:

The message indicates the source of the error and provides a link to the error code description to help you fix it.

In production mode:

The message indicates to the buyer that a technical problem has occurred.

In both cases, the merchant receives a warning e-mail containing the information:

• the source of the error;

• a link to possible causes to facilitate its analysis;

• all the fields of the form.

A description of the error codes with their possible causes is available on our website:

https://paiement.systempay.fr/doc/en-EN/error-code/sitemap.html

11. ANALYZING THE PAYMENT RESULT

The analysis of payment results is described in detail in the Hosted Payment Page guide.

This guide covers the processing of data specific to an Chèque-Vacances Connect payment response only.

11.1. Processing the response data

Here is an example of analysis to guide you through processing the response data.

1. Identify the order by retrieving the value of the **vads_order_id** field.

    Make sure that the order status has not been updated yet.

2. Retrieve the field **vads_trans_uuid** containing the transaction unique reference generated by the payment server.

3. Retrieve the value of the **vads_trans_date** field to identify the payment date.

4. Retrieve the used amount and currency. To do this, retrieve the values of the following fields:

Field name	Description
vads_amount	Payment amount in the smallest currency unit.
vads_currency	Numeric code of the currency used for the payment.

5. Retrieve all the order, buyer and shipping details.

    These details will be provided in the response only of they have been transmitted in the payment form.

    Their values are identical to the ones submitted in the form.

6. Analyze the value of the **vads_sequence_number** field:

VALUE	DESCRIPTION
0	Case of a cascading payment. Several payment methods were used to pay for the order. The list of payment methods used by the Buyer can be found in the **vads_payment_seq** field (in the JSON format). For more information, see chapter *Analyzing the result of a cascading payment*.
1	Order paid entirely with Chèque-Vacances Connect.

7. Analyze the value of the **vads_card_brand** field:

    Its value allows to know if the order has been paid in full with Chèque-Vacances Connect or if a complementary payment is required.

VALUE	DESCRIPTION
MULTI	Case of a cascading payment. Several payment methods were used to pay for the order. The list of payment methods used by the Buyer can be found in the **vads_payment_seq** field (in the JSON format). For more information, see chapter *Analyzing the result of a cascading payment*.
CVCO	Order paid entirely with Chèque-Vacances Connect.

8. If the order was paid entirely with Chèque-Vacances Connect, retrieve the payment result transmitted in the **vads_trans_status** field.

    Its value allows you to define the order status.

VALUE	DESCRIPTION
AUTHORISED	The transaction has been accepted and will be automatically captured at the bank on the expected date.
REFUSED	**Refused** The transaction is refused. See the chapter Analyzing the result of the authorization request on page 30 to obtain more information on the reason of payment rejection.
ABANDONED	**Abandoned** Payment abandoned by the buyer The transaction is visible in the Merchant Back Office.

9. If the order was paid using several payment methods, see the following chapter with the **vads_payment_seq** field analysis.

10. Proceed to order update.

11.2. Analyzing the result of a cascading payment

Characteristics of a cascading payment:

When making a payment, the buyer pays a part of the purchase with Chèque-Vacances Connect and the remaining amount with another payment method.

The payment will consist of N sequences detailed in the **vads_payment_seq** field:

• All the transactions of a cascading payment are combined within a payment sequence.

• All the transactions of a payment sequence have the same transaction identifier, but a different sequence number.

• The number of the first transaction of the sequence is 1, the number of the second one is 2, etc.

How to identify a cascading payment?

In case of a cascading payment, the **vads_card_brand** field is set to **MULTI**.

Details of the field vads_payment_seq

All the transactions of a cascading payment are combined within a payment sequence.

All the transactions of a payment sequence have the same transaction identifier, but a different sequence number. The number of the first transaction of the sequence is 1, the number of the second one is 2, etc.

The **vads_payment_seq** field (JSON format) describes the cascading payment sequence. It contains the following elements:

• "**trans_id**": identifier of the transaction received in the **vads_trans_id** field of the payment form.

• "**transactions**": table of sequence transactions.

Note: canceled and rejected transactions are also displayed in the table.

Each transaction of the sequence contains the following elements:

Field name	Description
amount	Amount of the payment sequence.
operation_type	Debit transaction.
auth_number	Authorization number. Will not be returned if not applicable to the used payment method. Example: 949478
auth_result	Return code of the authorization request. • For a Chèque-Vacances Connect payment, see the value list in the following chapter. • For payment by bank card, see the value list of the **vads_auth_result** field in the *Hosted Payment Page Implementation Guide*. • For other payment methods, see the corresponding integration documentation.
capture_delay	Delay before the capture (in days). If the **vads_capture_delay** field is not transmitted in the payment request, the delay configured in shop settings will be applied. See the chapter Technical information on page 5 to check if any restrictions apply for this payment method.
card_brand	Code of the used payment method.

Field name	Description
	Examples: • CVCO, for a Chèque-Vacances Connect payment, • **VISA** for a payment with a Visa card, • **MASTERCARD** for a payment with a card Mastercard • **CB** for a payment with a CB card. See *Hosted Payment Page Implementation Guide* to view the full list of **vads_card_brand** field values.
card_number	Payment method number or ID of the account used for the payment.
expiry_month	Expiry month of the payment method. Will not be returned if not applicable to the used payment method.
expiry_year	Expiry year of the payment method. Will not be returned if not applicable to the used payment method.
payment_certificate	Payment certificate. Will not be returned if not applicable to the used payment method.
contract_used	Contract number used for the payment.
identifier	Token associated with a payment method. Will not be returned if not applicable to the used payment method.
identifier_status	Only present if the requested action is token creation or update. Possible values: | Value	Description
CREATED	The authorization request has been accepted. The token has been successfully created.
NOT_CREATED	The authorization request has been declined. The token has not been created, and therefore cannot be viewed in the Merchant Back Office.
UPDATED	The token has been successfully updated.
NOT_UPDATED	The token has not been updated.
ABANDONED	The action has been abandoned by the buyer (debtor). The token has not been created, and therefore cannot be viewed in the Merchant Back Office.	
presentation_date	Desired date of capture at the bank (in ISO-8601 format). Example: 2020-04-08T14:56:48Z
trans_id	Transaction number.
ext_trans_id	Transaction reference on the acquirer side. Will not be returned if not applicable to the used payment method.
trans_uuid	Unique reference generated by the payment gateway after the creation of a payment transaction. Guarantees that each transaction is unique.
sequence_number	Sequence number.
trans_status	Status of the transaction. • For a Chèque-Vacances Connect payment, see the chapter Processing the response data on page 25 to obtain the list of possible statuses.

Field name	Description
	• For payment by bank card, see the value list of the **vads_trans_status** field in the *Hosted Payment Page Implementation Guide*. • For other payment methods, see the corresponding integration documentation.
extra_result	Numeric code of the risk assessment result. Will not be returned if not applicable to the used payment method. See *Hosted Payment Page Implementation Guide* to view the full list of **vads_extra_result** field values.

11.3. Analyzing the result of the authorization request

The result of the authorization is specified in the **vads_auth_result** field.

Below are the values returned by the acquirer:

CODE	DESCRIPTION
0	Payment accepted
1010	Rejection by the CVCo payment acquisition process
1011	Rejection by the top-up acquisition process
1012	CVCo payment abandoned by the buyer
1013	Top-up payment abandoned by the buyer
1014	Transaction refunded following a merchant request
1015	The transaction has expired
1016	Defect of beneficiary's payment equipment (blocked or non-enrolled)
1017	Rejection during beneficiary security checks
1018	Rejected due to the inaction of the beneficiary
1019	Rejection by the CVCo payment acquisition process
1020	CVCo payment abandoned by the buyer
1100	Unknown ANCV transaction status
1213	The merchant is not authorized
1214	The operation is not authorized for this transaction
1215	The operation for the pre-transaction amount is not authorized
1216	Insufficient balance
1218	Recipient not found
1220	Another transaction is in progress
1300	Unreferenced error

Adding the payment button for Chèque-Vacances Connect - Document version 1.6

12. MANAGING CHÈQUE-VACANCES CONNECT TRANSACTIONS FROM THE MERCHANT BACK OFFICE

12.1. Canceling a transaction

This operation consists of canceling the transaction definitively. Partial cancellation (decreasing the amount) is not supported.

The **Cancel** operation is only available for the transactions that have not been captured.

1. In the **Transactions is progress** tab, right-click the transaction to be cancelled.

2. Select **Cancel**.

3. Confirm that you wish to definitively cancel the selected transaction.

The transaction status changes to **Cancelled**.

12.2. Changing the capture date

1. Select the **Transactions is progress** tab.

2. Select a Chèque-Vacances Connect transaction.

3. Right-click the selected transaction.

4. Select **Modify** in the context menu.
   A dialog box appears.
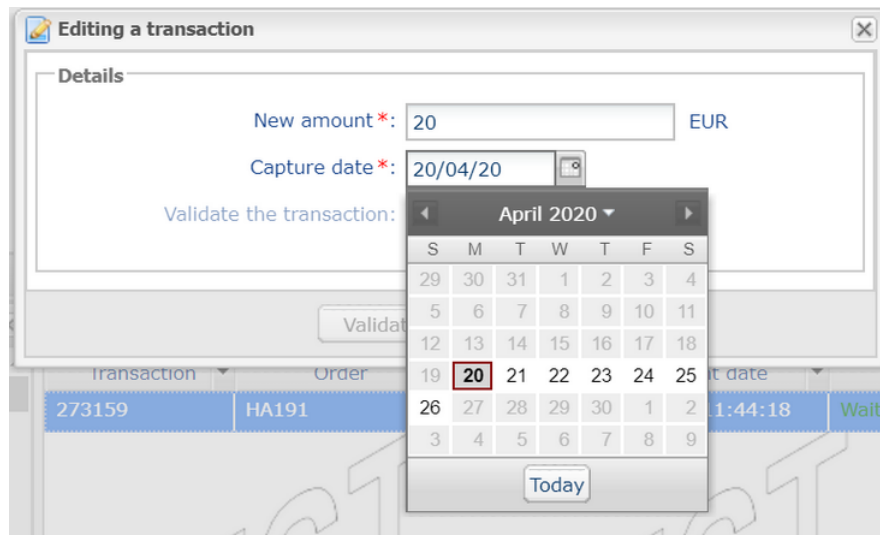
5. Modify the capture date according to your needs.
   The obtained authorization is valid for 3 days. You cannot change the capture date after this period.

6. Click **Validate** to confirm the changes.

12.3. Making a refund

Partial refunds are not authorized.

The refunding of a Chèque-Vacances Connect transaction will result in an adjustment of the total amount on the buyer's ANCV account.

To refund a transaction

1. In the Captured transactions tab, select the transaction to refund.

2. Right-click the transaction to display the context menu.

3. Select Making a refund.

4. Click Perform refund to confirm the refund.
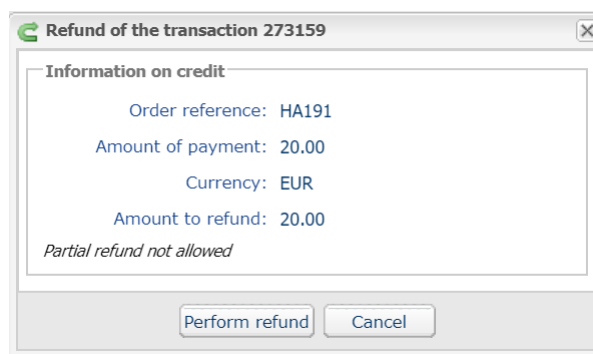
13. OBTAINING HELP

Looking for help? See our FAQ:

https://paiement.systempay.fr/doc/fr-FR/faq/faq-homepage.html

For any technical inquiries or if you need any help, contact technical support.

In view of facilitating the processing of your requests, please have your shop ID ready (an 8-digit number).

This information is available in the "registration of your shop" e-mail or in the Merchant Back Office (**Settings** > **Shop** > **Configuration**).