

## **COLLECTING SOLUTION**

## **Advanced risk assessment**

### **Back Office user manual**

Document version 2.0

### Contents

1. HISTORY OF THE DOCUMENT	4
2 DECENTATION OF THE CEDUICE	_
2. PRESENTATION OF THE SERVICE	5
2.1. Prerequisites	5
2.2. Understanding the control process	6
3. OPERATING PRINCIPLE	7
3.1. Risk assessment and 3D Secure authentication	7
3.2. Criteria	
3.3. Actions	9
A CONFICUEINC THE ADVANCED DICK ACCECCMENT WA THE EVDEDT DACK	
4. CUNFIGURING THE ADVANCED RISK ASSESSMENT VIA THE EXPERT BACK	10
	10
4.1. Configuration tab.	11
4.2. 3D Secure result tab.	12
4.2.1. 3D Secure payment with a cardholder whose authentication cannot be verified	
4.2.2. Card not enrolled in the 3D Secure program.	14
4.2.3. 3D Secure payment with a card whose enrollment cannot be verified	
4.2.4. Liability shift	
4.3. Amount tab.	
4.3.1. Amount control	16
4.3.2. Minimum amount limit control.	1/
4.3.3. Maximum amount limit control.	
4.3.4. Control of the total amount for a payment method over a week	
4.4. Payment method tab.	
4.4.1. Control of corporate cards.	20
4.4.2. Control of corporate cards depending on their origin	
4.4.5. Control of prepatu carus	
4.4.5. Control of a Corta Playa	25
4.4.5. Control of personal andit conda	
4.4.7. Control of personal debit cards.	23 26
4.4.7. Control of personal debit cards	20 27
4.5. Shopping call tab	
4.5.1. Control of the number of items in the cart	
4.5.2. Shopping cart items control	
4.0. Country tab.	29 20
4.6.2 Control of the shinning country	29
4.6.2. Control of diversity of countries	
4.6.4. Control of card types issued by certain countries	
4.0.4. Control of card types issued by certain countries	
4.7. Velocity tab	
4.7.1. Velocity of an IP address within a week	
4.7.2. Velocity of a narment method over a week	,
4.7.5. Velocity of a payment method over a week	
1.9 SafeKey result tab	
4.9.1 Card not enrolled in SafeKey program	
4.9.2. Payment with a card for which it is impossible to verify the enrollment into SafeKey	
program	37
CDEATING NOTIFICATION DITLES OPPOPTS TO DISU ACCESSION	20
5. CREATING NUTIFICATION RULES SPECIFIC TO RISK ASSESSMENT	
6. TRANSMITTING USEFUL DATA TO THE ADVANCED RISK ASSESSMENT	40
6.1. Transmitting order details	40
6.2. Transmitting buyer details	42

6.3. Transmitting shipping details	44
7. VIEWING TRANSACTION DETAILS FROM THE EXPERT BACK OFFICE	46
8. MANUAL VALIDATION OF A TRANSACTION	48
9. RETURN OF THE ADVANCED RISK ASSESSMENT MODULE RESULT IN THE IPN	49
10. OBTAINING HELP	50

## **1. HISTORY OF THE DOCUMENT**

Version	Author	Date	Comment
2.0.	Lyra Collect	8/17/2022	• Update of the description of the vads_risk_assessment_result field values in the chapter Restitution of the advanced risk assessment module result in the IPN.
1.9	Lyra Collect	9/30/2021	<ul> <li>Update of the action description.</li> <li>New action available for 3D Secure v2.</li> <li>Update of the Configuration tab.</li> <li>Update of the chapter <i>Creating notification rules specific to risk assessment</i>.</li> <li>Update of the description of the vads_risk_assessment_result field values in the chapter <i>Restitution of the advanced risk assessment module result in the IPN</i>.</li> </ul>
1.8	Lyra Collect	4/23/2021	<ul> <li>Update of the <i>Liability shift</i> chapter:</li> <li>Amex transactions now benefit from liability shift.</li> <li>The "Liability shift" rule does not apply if 3DS is disabled or if the transaction is not eligible for 3DS.</li> <li>Addition of the 3DS2 schematic diagram in the chapter 3D Secure result tab.</li> </ul>
1.7	Lyra Collect	4/22/2020	<ul> <li>Addition of the equivalence between the Hosted Payment Page and REST API fields.</li> </ul>
1.6	Lyra Collect	5/22/2019	Clarifications on risk assessment methods via web services
1.4	Lyra Collect	2/19/2019	<ul> <li>Update of available criteria.</li> <li>Removal of the "Setting up notification e-mails sent to the merchant" and "Creating a custom notification rule" chapters.</li> <li>Addition of chapter "Creating notification rules specific to risk assessment".</li> </ul>
1.3	Lyra Collect	10/1/2018	Initial version

This document and its contents are confidential. It is not legally binding. Any reproduction and / or distribution of all or part of this document or its content to a third party is strictly prohibited or subject to prior written authorization from Lyra Collect. All rights reserved.

## 2. PRESENTATION OF THE SERVICE

The Lyra Collect payment gateway is a PCI-DSS certified highly secure payment solution. Each payment attempt systematically involves an authorization request sent to the cardholder's bank. In case the merchant is enrolled with CB, Visa, Mastercard, American Express or Diners Club, the payment process also includes cardholder authentication.

However, distance selling can present risks of chargebacks that are detrimental to your business.

In order to **provide an additional level of security to the merchant**, the payment gateway provides the **Advanced risk assessment** feature.

This functionality allows you to:

- Minimize the risk of chargeback by refusing transactions deemed fraudulent.
- Add verifications in case of suspected fraud.

The **Advanced risk assessment** service provides a tailored and comprehensive service to help you fight fraud. Specific filters are provided for defining preventive actions according to the level of risk and the characteristics of your activity while avoiding negative impact on your sales. Advanced risk assessment can be configured by taking into account known risks or previous issues with fraud. It is now up to you to adapt your rules according to the profile of your buyers and the transactions they make.

#### 2.1. Prerequisites

The merchant must enable the **Advanced risk assessment** feature via his or her payment gateway.

Once the feature is enabled, the merchant can:

- access its configuration via the merchant Back Office,
- use the service offered by the module to implement (customizable) protection during the payment process.

For more information, please contact the sales administration .

#### 2.2. Understanding the control process

The **Advanced risk assessment** service can be called several times when a payment is created.

- Maximum 3 times:
  - After validation of the input data
  - After cardholder authentication
  - After authorization

With each call, the service potentially returns one or more actions that will impact the payment process. All types of payments (single payment, deferred payment, installment payment, split payment, etc.) are subject to the controls of the **Advanced risk assessment**.

#### Note:

In case of unavailability, incorrect configuration or malfunction, the payment is made as if the Merchant did not have the advanced risk assessment feature.

The gateway provides a number of risk assessment profiles. Each profile consists of one or several rules. Each rule and each profile may be enabled or disabled.

A rule consists of:

- One or several criteria to be validated.
- One or several actions that will be triggered if all the rule criteria are validated.

#### Examples:

- A simple rule with one criterion and one action: if the amount over a week is higher than EUR 500, refuse the payment.
- A more complex rule with two criteria and one action: if the buyer's country is different from the merchant's country and the amount is higher than EUR 100, the transaction will have to be validated manually.

#### 3.1. Risk assessment and 3D Secure authentication

The 3D Secure service allows to reduce the risk of chargebacks thanks to the liability shift from the Merchant to the cardholder's bank (see *3D Secure result tab* on page 12 chapter for more information).

The advanced risk assessment allows to perform two specific actions when configuring the rules:

- "Enable 3D Secure" and "Disable 3D Secure" when 3D Secure v1 is enabled for at least one of the contracts associated with the store.
- "Define an authentication mode" when 3D Secure v2 is also enabled on at least one of the contracts associated with the store.

Based on the protocols available for their contract, these actions allow the merchant:

- In 3D Secure v1, to enable or disable 3D Secure authentication.
- In v2 3D Secure, to express their desire to challenge the buyer with strong authentication during the payment.

Via the payment requests, authorized merchants can:

- Enable or disable the 3D Secure v1 authentication (requires the "Selective 3DS1" option).
- Request 3D Secure v2 authentication without cardholder interaction or frictionless, if an exemption applies (see *"Application of exemptions"*) and if the shop has the "Frictionless 3DS2" option).

#### Application of exemptions:

#### Reminder:

In compliance with banking network rules, a transaction carried out without cardholder authentication does not benefit from liability shift.

Other rules may apply in priority to those defined by the Merchant (in their payment requests or via the risk assessment module):

- Some payment cards require cardholder authentication. This is the case of Maestro cards.
- American Express reserves the right to perform strong authentication according to its own rules, even if the Merchant has requested to disable 3D Secure for the transaction.

#### 3.2. Criteria

The merchant can decide to modify the payment process based on different criteria:

- Criteria related to the amount These include transaction details (amount, currency, shopping cart, buyer, etc.).
- Criteria related to card analysis

These include the card type (Visa, Mastercard, etc.), the card product (personal, commercial, prepaid), the issuer country, etc.

- Criteria related to the 3D Secure result These include cardholder enrollment, authentication status.
- Criteria related to the country

Verification of different countries: billing country, shipping country, card issuing bank country, etc.

• Criteria related to the risk assessment result

These include data transmitted by a risk analyzer (e.g. CyberSource) to the payment gateway, such as the returned score.

• Velocity criteria

These include the criteria that evolve depending on the activity of the card, of the e-mail, etc. in the merchant shop.

#### 3.3. Actions

Several actions are available to the Merchant.

Action	Description
Validate manually	This action allows to temporarily block the payment capture.
	In the meantime, the Merchant can verify the transaction and decide if they wish to validate or cancel it.
	The transaction is then created via manual validation. It can be validated as long as the capture delay has not passed. After this delay, the payment takes the <b>Expired</b> status. This status is final.
	When the transaction is created in manual validation mode following the application of a risk rule, the merchant is notified via the instant payment notification. The vads risk assessment result field is set to MANUAL VALIDATION
	The merchant cannot define a specific notification rule to be notified about this action. This action can be combined with other actions, such as <b>Raise an alert</b> or <b>Define an</b> <b>authentication mode</b> .
Refuse the payment	This action allows to refuse a payment.
	Example: refuse a payment if the used card is a corporate card.
	Refuse action has priority over Validate manually.
Raise an alert	This action allows to warn the merchant that a risk has been identified.
	Examples: the amount of the transaction is higher than EUR 1000, the transaction has
	been made with a card from a country considered as high-risk for online fraud, etc.
	This action can be combined with other actions, such as <b>Validate manually</b> or <b>Define an authentication mode</b> .
	The alert allows the merchant to trigger processing or verification for the transaction, such as placing the delivery process on hold until checks can be performed on the transaction. The merchant is warned:
	Via the instant payment notification:
	The vads_risk_assessment_result field is set to INFORM.
	<ul> <li>By e-mail: The merchant must create a specific e-mail notification rule to receive the alert by e- mail. The condition for triggering the notification rule is Informative risk assessment = Failed.</li> </ul>
	For more information on the notification configuration process, please see chapter <i>Creating notification rules specific to risk assessment</i> on page 38.
Define an authentication mode.	This action is only available if 3D Secure v2 is enabled for at least one of the contracts associated with the shop.
	It allows to change the default authentication mode (NO_PREFERENCE) applied upon the payment.
	The available choices depend on the store's options.
	If your store has the "Frictionless 3DS2" option and is associated with an activated 3DS2 contract, you will have the choice between the following authentication modes:
	Authentication request with buyer interaction (Challenge)
	Authentication request without buyer interaction (Frictionless)
	If "Frictionless" is selected, 3D Secure v2 authentication will be performed with the merchant preference forced to Frictionless if an exemption applies ( <i>see "Application of exemptions"</i> ).
	For additional information, click "?" in the Help column. Action not available in the "3D Secure result" tab.

# 4. CONFIGURING THE ADVANCED RISK ASSESSMENT VIA THE EXPERT BACK OFFICE

The advanced risk assessment is accessible via the Back Office.

To access it:

- 1. Sign in to the Back Office: https://secure.lyra.com/portal/.
- 2. Click Other actions and sign in to your Expert Back Office.
- 3. Select Settings > Advanced risk assessment menu.

#### Note:

If you have multiple shops, select a shop.

Controls are grouped by tabs:

- Configuration
- 3D Secure result
- Amount
- Payment method
- Shopping cart
- Country
- Velocity
- Media
- Risk Analysis result
- SafeKey result

#### 4.1. Configuration tab

This tab indicates the shop's "3D Secure by default behavior".

Advanced risk assessment module
 Default 3D Secure store behavior: 3D Secure v2 authentication request with merchant preference set to "No requested" / 3D Secure v1 enabled.
 If the card is enrolled for 3D Secure v2, authentication is performed with the merchant preference set to "No preference". In this case, the issuing bank decides which authentication mode is most suitable based on the characteristics of the transaction.
 If the card is enrolled for 3D Secure v1, authentication is attempted in the 3D Secure v1.
 If the card is not enrolled for 3D Secure, there is no prior authentication of the buyer and you will not benefit from the liability shift.

#### 4.2. 3D Secure result tab

3D Secure (also called "*Paiement sécurisé*" by CB, "*Visa Secure*" by Visa, "*Mastercard Identity check*" by Mastercard and "*Safekey*" by American Express) is an international protocol standard used for securing online transactions.

The principle of 3D Secure consists in asking the buyer, in addition to the usual bank details (bank card number, expiry month and year, CVV code - if the card has one), to provide additional information that is not linked to the card to make sure that the buyer is the owner of the payment method. In most cases it is a one-time confidential code communicated by e-mail or by SMS for each new transaction. If this information is not correctly filled in by the buyer, the transaction ends.

Its purpose is to:

- Reduce fraud for merchants,
- Secure payments for buyers.

The diagram below illustrates the principle of the 3D Secure 2 authentication:



#### The diagram below illustrates the principle of the 3D Secure 1 authentication:



Thus, depending on the results returned, the payment gateway provides several profiles to trigger actions.

#### 4.2.1. 3D Secure payment with a cardholder whose authentication cannot be verified

In order to trigger one or several actions when the cardholder's authentication status cannot be verified:

1. Click the Enable button.

The green bar indicates that the profile is activated.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 3. If you want to define one or more other actions, click Add.
- 4. Select another action that you want to trigger when the profile appears.
- 5. Click **Save** at the bottom of the page.

#### 4.2.2. Card not enrolled in the 3D Secure program

To trigger one or more actions when the transaction is made with a card that is not enrolled in the 3D Secure program:

1. Click the Enable button.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 3. If you want to define one or more other actions, click Add.
- 4. Select another action that you want to trigger when the profile appears.
- 5. Click **Save** at the bottom of the page.

#### 4.2.3. 3D Secure payment with a card whose enrollment cannot be verified

To trigger one or more actions when the transaction is made with a card whose enrollment in the 3D Secure program cannot be verified due to a malfunction of the 3D Secure environment:

#### 1. Click the Enable button.

The green bar indicates that the profile is activated.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 3. If you want to define one or more other actions, click Add.
- 4. Select another action that you want to trigger when the profile appears.
- 5. Click Save at the bottom of the page.

#### 4.2.4. Liability shift

This profile allows you to trigger one or more actions when the transaction does not benefit from the liability shift.

The transactions benefiting from the liability shift are transactions for which the cardholder cannot shift the liability for an outstanding payment to the merchant on the grounds of "Cardholder dispute".

## This rule is not triggered if 3D Secure is disabled (only possible in 3DS1) or if 3DS is not applicable for the transaction (e.g. MOTO payment).

To trigger one or more actions when the transaction does not benefit from liability shift:

**1.** Click the **Enable** button.

- 2. Specify a minimum amount and its currency.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click Save at the bottom of the page.

#### 4.3. Amount tab

The Amount tab allows you to trigger one or more actions depending on the transaction amount.

#### 4.3.1. Amount control

Depending on the payment amount, amount control can be enabled.

Configuration	🔒 3D Secure result	Amount	🔀 Payment m	nethod 🔄 🐴 Shopping c	art 🕜 Country 👷 Velo	ity 🗎 Media	🐓 Risk Analysis res	sult 🔤 SafeKey	result
Amou	nt control 🔺								Enable
This profile transaction	allows to trigger one(s amount is between a r	everal) action(s minimum and a	) when the maximum	Configuration:					
amounts.			Minimum amount*:		Euro	*			
					Maximum amount *:		Euro	~	
				Actions*:					
					▼ Delete				
				Add					



To do this:

1. Click the Enable button.

- 2. Specify a minimum and maximum amount that will allow to trigger an action.
- Specify the currency that applies to the defined minimum and maximum amount. The applied currencies must be the same, otherwise the Save button will not be active.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 5. If you want to define one or more other actions, click Add.
- 6. Select another action that you want to trigger when the profile appears.
- 7. Click **Save** at the bottom of the page.

#### 4.3.2. Minimum amount limit control

It is possible to enable a control from a minimum amount.

💽 Minimum amount limit control 🔺		
This profile allows to trigger one or several actions when the amount of the transaction is lower than the one specified in settings.	Configuration: Transaction amount*: Euro Actions*: Actions*: Add Delete	~

Figure 2: Minimum amount limit control

1. Click the Enable button.

- **2.** Specify a transaction amount that will allow to trigger an action if the transaction amount is lower than the specified amount.
- 3. Specify the currency that applies to the defined minimum amount.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 5. If you want to define one or more other actions, click Add.
- 6. Select another action that you want to trigger when the profile appears.
- 7. Click **Save** at the bottom of the page.

#### 4.3.3. Maximum amount limit control

It is possible to enable a control from a maximum amount.

Max	imum amount limit control 🔺					Enable
This prof transacti	lie allows to trigger one or several actions when the amount of the on is higher than the one specified in settings.	Configuration: Actions*: Add	Transaction amount *:	Euro	<b>v</b>	

Figure 3: Maximum amount limit control

#### 1. Click the Enable button.

- **2.** Specify a transaction amount that will allow to trigger an action if the transaction amount is higher than the specified amount.
- **3.** Specify the currency that applies to the defined maximum amount.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 5. If you want to define one or more other actions, click Add.
- 6. Select another action that you want to trigger when the profile appears.
- 7. Click **Save** at the bottom of the page.

#### 4.3.4. Control of the total amount for a payment method over a week

It is possible to enable a verification of the total amount paid with a payment method over a week.

Control of the amount cumulated for a payment method over a week 🔺					
This profile allows to trigger one(several) action(s) when the cumulated amount of payments made with the same payment method is higher than a specific amount.	Configuration: Cumulated amount higher than ": Actions *: Add	Euro	>		

Figure 4: Control of the total amount

1. Click the Enable button.

- 2. Specify a transaction amount that will allow to trigger an action if the transaction amount reaches the specified limit.
- **3.** Specify the currency that applies to the total amount.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 5. If you want to define one or more other actions, click Add.
- 6. Select another action that you want to trigger when the profile appears.
- 7. Click **Save** at the bottom of the page.

#### 4.4. Payment method tab

The **Payment method** tab allows you to define different profiles to trigger one or more actions based on the category of the card used by the buyer.

#### 4.4.1. Control of corporate cards

A corporate card is a business card. It can be issued to an employee for work purposes, for example.

To trigger one or more actions when a buyer uses a corporate card to make a payment:

#### **1.** Click the **Enable** button.

The green bar indicates that the profile is activated.

#### 2. Select one or more card brand to control.

- CB,
- VISA,
- MASTERCARD,
- MAESTRO,
- ELECTRON,
- VPAY.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click Save at the bottom of the page.

#### 4.4.2. Control of corporate cards depending on their origin

A corporate card is a business card. It can be issued to an employee for work purposes, for example.

To trigger one or more actions when a buyer makes a payment by using a corporate card issued by a country from the list:

#### 1. Click the Enable button.

The green bar indicates that the profile is activated.

#### 2. Select one or several countries by clicking on the Add button.

The country(ies) that allow(s) you to trigger an action appear(s) in the column **Selected countries**. This list is not static. You can remove one of the countries at any time by selecting it and clicking the **Remove** button.

#### 3. Select one or more card brand to control.

- CB,
- VISA,
- MASTERCARD,
- MAESTRO,
- ELECTRON,
- VPAY.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 5. If you want to define one or more other actions, click Add.
- 6. Select another action that you want to trigger when the profile appears.
- 7. Click **Save** at the bottom of the page.

#### 4.4.3. Control of prepaid cards

A prepaid card is a payment method that is similar to an electronic wallet. Only the recharged amounts can be spent (no risk of overdraft, hacked bank account, etc.).

To trigger one or more actions when a buyer uses a prepaid card (Visa or MasterCard) to make a payment:

#### 1. Click the Enable button.

The green bar indicates that the profile is activated.

#### 2. Select one or more card brand to control.

- CB,
- VISA,
- MASTERCARD,
- MAESTRO,
- ELECTRON,
- VPAY.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click Save at the bottom of the page.

#### 4.4.4. Control of cards with unconditional authorization

A card with unconditional authorization is a payment card. Every time the card is used, the account balance is checked. The operation is not authorized if the provision is insufficient.

To trigger one or more actions when a buyer is using a Visa or a MasterCard card with unconditional authorization to make a payment:

1. Click the Enable button.

- 2. Select MAESTRO or VISA\_ELECTRON from the list of card types that will trigger one or more actions.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. If you wish to select another card type, repeat the steps 2 and 3 and, if needed, the steps 4 and 5.
- 7. Click **Save** at the bottom of the page.

#### 4.4.5. Control of e-Carte Bleue

An e-Carte Bleue is a virtual card that provides a temporary card number for each transaction made on the Internet. Thus, the "real" credit card number does not appear on the Internet.

To trigger one or more actions when a buyer uses an e-Carte Bleue to make a payment:

#### 1. Click the Enable button.

- Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 3. If you want to define one or more other actions, click Add.
- 4. Select another action that you want to trigger when the profile appears.
- 5. Click Save at the bottom of the page.

#### 4.4.6. Control of personal credit cards

A personal credit card is a payment card. A deferred debit is made on the account for all the purchases made over a specified period.

To trigger one or more actions when a buyer uses a personal card to make a payment:

#### 1. Click the Enable button.

The green bar indicates that the profile is activated.

#### 2. Select one or more card brand to control.

- CB,
- VISA,
- MASTERCARD,
- MAESTRO,
- ELECTRON,
- VPAY.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click Save at the bottom of the page.

#### 4.4.7. Control of personal debit cards

A personal debit card is a payment card. The account is debited progressively as the transactions are transmitted by the beneficiary merchants.

To trigger one or more actions when a buyer uses a personal debit card to make a payment:

#### 1. Click the Enable button.

The green bar indicates that the profile is activated.

#### 2. Select one or more card brand to control.

- CB,
- VISA,
- MASTERCARD,
- MAESTRO,
- ELECTRON,
- VPAY.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click Save at the bottom of the page.

#### 4.5. Shopping cart tab

The **Shopping cart** tab allows you to define different profiles to trigger one or more actions based on the contents of the buyer's shopping cart.

#### 4.5.1. Control of the number of items in the cart

To trigger one or several actions when a buyer has a certain amount of items in the shopping cart when making a payment:

#### 1. Click the Enable button.

- 2. Specify the number of items that will allow to trigger one or more actions.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click **Save** at the bottom of the page.

#### 4.5.2. Shopping cart items control

To trigger one or more actions when a buyer has one or more specific product codes in the shopping cart:

1. Click the Enable button.

- 2. Specify a product code for which you wish to trigger one or more actions.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. If you wish to add another product code, repeat step 2 by separating the product codes by a ";".
- 7. Click **Save** at the bottom of the page.

#### 4.6. Country tab

The **Country** tab allows you to define different profiles to trigger one or more actions based on the country(ies) associated with the transaction.

#### 4.6.1. Customer country control (billing address)

All the countries are accepted by default. The expression "Buyer's country" indicates the country of the billing address.

To trigger one or more actions to protect the merchant website from specific risks associated with one or several countries:

#### **1.** Click the **Enable** button.

The green bar indicates that the profile is activated.

2. Select one or several countries by clicking on the Add button.

The country(ies) that allow(s) you to trigger an action appear(s) in the column **Selected countries**. This list is not static. You can remove one of the countries at any time by selecting it and clicking the **Remove** button.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click **Save** at the bottom of the page.

#### 4.6.2. Control of the shipping country

All the countries are accepted by default.

To trigger one or more actions to protect the merchant website from specific risks associated with one or several countries:

#### **1.** Click the **Enable** button.

The green bar indicates that the profile is activated.

#### 2. Select one or several countries by clicking on the Add button.

The country(ies) that allow(s) you to trigger an action appear(s) in the column **Selected countries**. This list is not static. You can remove one of the countries at any time by selecting it and clicking the **Remove** button.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click **Save** at the bottom of the page.

#### 4.6.3. Control of diversity of countries

One or more actions can be triggered when the number of countries involved in the transaction exceeds a certain threshold and the amount of the transaction is between a minimum and maximum amount.

When this scenario occurs, a control is made on the basis of the following criteria:

- The country of the customer address
- The country of the shipping address
- The country of the IP address used during the payment
- The payment method country
- 1. Click the Enable button.

- 2. Set the threshold for countries (1, 2, 3 or 4) which will trigger one or more actions.
- 3. Specify a minimum and maximum amount that will allow to trigger an action.
- Specify the currency that applies to the defined minimum and maximum amount. The applied currencies must be the same, otherwise the Save button will not be active.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 6. If you want to define one or more other actions, click Add.
- 7. Select another action that you want to trigger when the profile appears.
- 8. Click **Save** at the bottom of the page.

#### 4.6.4. Control of card types issued by certain countries

This profile allows to trigger one or more actions when:

- the card type is one of the selected card types (prepaid card, corporate card, personal card) and
- the country of the card is on the list of selected countries.

#### To trigger one or more actions:

1. Click the Enable button.

The green bar indicates that the profile is activated.

2. Select one or more card type(s) from the list.

The possible values are:

• Prepaid card

A prepaid card is a payment method that is similar to an electronic wallet. Only the recharged amounts can be spent (no risk of overdraft, hacked bank account, etc.).

• Corporate card

A commercial card is a business card. It can be issued to an employee for work purposes, for example.

Personal card

A personal card is a bank card delivered to an individual for personal use.

3. Select one or several countries by clicking on the Add button.

The country(ies) that allow(s) you to trigger an action appear(s) in the column **Selected countries**. This list is not static. You can remove one of the countries at any time by selecting it and clicking the **Remove** button.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 5. If you want to define one or more other actions, click Add.
- 6. Select another action that you want to trigger when the profile appears.
- 7. Click **Save** at the bottom of the page.

#### 4.7. Velocity tab

The **Velocity** tab allows you to define different profiles to trigger one or more actions based on the velocity of the same payment method within a week.

#### 4.7.1. Velocity of an e-mail address within a week

To trigger one or more actions when multiple payment attempts have been detected with the same e-mail address within a week:

1. Click the Enable button.

- 2. Determine the number of payment attempts made with the same e-mail address to trigger one or more actions.
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click **Save** at the bottom of the page.

#### 4.7.2. Velocity of an IP address within a week

To trigger one or more actions when multiple payment attempts have been detected with the same IP address within a week:

#### 1. Click the Enable button.

The green bar indicates that the profile is activated.

- 2. Determine the number of payment attempts made with the same IP address to trigger one or more actions.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click **Save** at the bottom of the page.

#### 4.7.3. Velocity of a payment method over a week

#### Note

The performed control applies to payment card numbers as well as to bank account numbers that were used for the wire transfer.

To trigger one or more actions when multiple payment attempts have been detected with the same card number within a week:

1. Click the Enable button.

- 2. Determine the number of payment attempts made with the same card number to trigger one or more actions.
- **3.** Select the action that you wish to trigger when the profile appears. For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click Save at the bottom of the page.

#### 4.8. Media tab

The **Media** tab allows to define one or several actions to perform depending on the type of the device used for the payment.

**1.** Click the **Enable** button.

- 2. Select one (or more) device(s) from the list: "Computer, Tablet, Mobile Phone".
- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 4. If you want to define one or more other actions, click Add.
- 5. Select another action that you want to trigger when the profile appears.
- 6. Click **Save** at the bottom of the page.

#### 4.9. SafeKey result tab

American Express SafeKey is a 3D Secure authentication tool that aims to reduce online fraud by authenticating American Express cardholders via an authentication code.

#### 4.9.1. Card not enrolled in SafeKey program

To trigger one or more actions when the transaction is made with a card that is not enrolled in the Safekey program:

#### 1. Click the Enable button.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 3. If you want to define one or more other actions, click Add.
- 4. Select another action that you want to trigger when the profile appears.
- 5. Click **Save** at the bottom of the page.

## 4.9.2. Payment with a card for which it is impossible to verify the enrollment into SafeKey program

To trigger one or more actions when the transaction is made with a card whose enrollment in the American Express Safekey program cannot be verified due to a malfunction of their Directory Server:

1. Click the Enable button.

- Select the action that you wish to trigger when the profile appears.
   For more information, please see chapter *Actions* on page 9.
- 3. If you want to define one or more other actions, click Add.
- 4. Select another action that you want to trigger when the profile appears.
- 5. Click **Save** at the bottom of the page.

# **5. CREATING NOTIFICATION RULES SPECIFIC TO RISK ASSESSMENT**

Use case: The risk assessment action is configured in order to **Raise an alert**. The merchant wishes to receive an e-mail as soon as a verification process detects risk of fraud.

To create the associated notification rule:

- 1. In your Expert Back Office, go to the following menu: Settings > Notification rules.
- 2. Click the **Create a rule** button in the bottom left corner of the screen.
- 3. Select Advanced notification.

- Creation of a notification rule			×
	Step 1 of 3: Channe	l of notifi	cation
	0	0	0
Type of notification *:	~		
	Next >	Cance	

- 4. Select the notification type: E-mail sent to the merchant.
- 5. Click Next.

· Creation of a notification rule	Example 1
	Step 2 of 3: Trigger event (E-mail sent to the merchant
	0 0 0
Type of event	
	Check all/Uncheck
Payment accepted	Payment declined
Payment canceled by the buyer	Pending payment waiting for a confirmation of the external platform
Invalid payment form	The merchant canceled the transaction
Transaction refunded by the merchant	Transaction authorized by automatic batch authorization
Transaction declined during the automatic authorization process	ss Transaction validated by the merchant
Transaction modified by the merchant or the acquirer	Duplicated transaction by the merchant
New installment of a recurring payment	Token creation
<ul> <li>New installment of a recurring payment</li> <li>Update of a token</li> </ul>	Token creation Creation of a recurring payment
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification     Capture sent to the acquirer	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment Update of a token SEPA direct debit pre-notification Capture sent to the acquirer Rule conditions	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification     Capture sent to the acquirer     Rule conditions     Variable     Operator	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification     Capture sent to the acquirer     Rule conditions     Variable     Operator	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification     Capture sent to the acquirer      Rule conditions     Variable     Operator	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification     Capture sent to the acquirer     Rule conditions     Variable     Operator	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment     Update of a token     SEPA direct debit pre-notification     Capture sent to the acquirer     Rule conditions     Variable     Operator	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment Update of a token SEPA direct debit pre-notification Capture sent to the acquirer Rule conditions   Variable Operator   Add X Delete Cancel	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>
New installment of a recurring payment Update of a token SEPA direct debit pre-notification Capture sent to the acquirer Rule conditions Variable Operator Add X Delete Cancel	<ul> <li>Token creation</li> <li>Creation of a recurring payment</li> <li>Regeneration of the key</li> </ul>

- Check the triggering events depending on your needs.
   Example: Payment declined, Payment accepted and Token creation.
- 7. In the Rule conditions section, click Add.
- 8. In the Variable column, select Informative risk assessment.
- 9. Select the equal to operator.
- 10.Select the Failed value.
- 11.Click Next.
- **12.**Enter the **Rule reference**.
- 13.Enter the e-mail address to notify.
- **14.**Select the fields to be included in the e-mail.

By default, the information of the advanced risk assessment module is already included.

- **15.** If you want to change the message body, click **Customize default text values** in the **E-mail settings** section.
- **16.**Once you have completed the configuration, click **Create**.

When a risk rule configured with the **Raise an alert** action is triggered, the merchant receives an e-mail containing the details of the call to the advanced risk assessment module:



In order to perform the verification processes enabled and configured in the Expert Back Office, the payment request must contain the data to be analyzed.

For this reason, the Merchant must:

- Transmit the order details to know the shopping cart details,
- Transmit the buyer details to know the billing country (vads\_cust\_country / customer.billingDetails.country),
- Transmit the shipping details to know the shipping country (vads\_ship\_to\_country / customer.shippingDetails.country).

#### 6.1. 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.).

To trigger one or several actions depending on the contents of the buyer's shopping cart, the shopping cart data must imperatively be transmitted in the payment request.

Field name	Description	Value
Hosted Payment Page : vads_order_id	Order ID	E.g.: 2-XQ001
REST API : orderId		
Hosted Payment Page : vads_order_info	Complementary order details	E.g.: Door code 3125
REST API : metadata.orderInfo1		
Hosted Payment Page :	Complementary order details	E.g.: No elevator
vads_order_info2		
REST API : metadata.orderInfo2		
Hosted Payment Page :	Complementary order details	E.g.: Express
vads_order_info3		
REST API : metadata.orderInfo3		
Hosted Payment Page :	Number of items in the cart	E.g.: 2
vads_nb_products		
REST API: N/A		
Hosted Payment Page :	Product barcode on the merchant	E.g.: 0123654789123654789
vads_product_ext_idN	website. N corresponds to the index of	
REST API: N/A	the item (0 for the first one, 1 for the	
	second one, etc.).	
Hosted Payment Page :	Item name. N corresponds to the index	E.g.: 3-day stay with dates
vads_product_labelN	of the item (U for the first one, 1 for the	
REST API : cartiteminto.productLabel	second one, etc.).	
Hosted Payment Page :	Item amount expressed in the smallest	E.g.: 32150
Vads_product_amountiv	of the item (0 for the first and 1 for the	
REST APT: cartiteminto.productLabel	second one, etc.).	
Hosted Payment Page :	Item type. N corresponds to the index of	Γ g · TRAVEL
vads product typeN	the item (0 for the first one, 1 for the	8
REST API : cartiteminfo.productType	second one, etc.).	
	See the table with values below.	
Hosted Payment Page :	Item reference. N corresponds to the	E.g.: 1002127784
vads_product_refN	index of the item (0 for the first one, 1 for	
REST API : cartiteminfo.productRef	the second one, etc.).	

Field name	Description	Value
Hosted Payment Page : vads_product_qtyN	Item quantity. N corresponds to the index of the item (0 for the first one, 1 for the	E.g.: 1
REST API : cartiteminfo.productQty	second one, etc.).	

#### Item type (vads\_product\_type / productType)

Value	Description
FOOD_AND_GROCERY	Food and grocery
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

#### 6.2. Transmitting buyer details

The Merchant can specify the buyer's billing details (e-mail address, title, phone number, etc.). This information will be used to create the invoice.

All the data transmitted via the payment form can be viewed in the transaction details in the Merchant Back Office (**Buyer** tab).

Field name	Description	Value
Hosted Payment Page : vads_cust_email	Buyer's e-mail address	E.g.: name@example.com
REST API : customer.email		-
Hosted Payment Page : vads_cust_id	Buyer reference on the merchant	E.g.: C2383333540
REST API : customer.reference	website	
Hosted Payment Page : vads_cust_title	Buyer's title	E.g.: Mister
REST API : customer.billingDetails.title		
Hosted Payment Page : vads_cust_status	Status	<b>PRIVATE</b> : for private clients <b>COMPANY</b> : for
REST API :		companies
customer.billingDetails.category		
Hosted Payment Page :	First name	E.g.: Laurent
vads_cust_first_name		
REST API :		
customer.billingDetails.firstName		
Hosted Payment Page :	Last name	E.g.: Durant
vads_cust_last_name		
REST APT: customer hillingDetails lastName		
Hosted Dayment Dage :	Ruwor's logal name	
Hosteu Payment Page :	Buyer's legal hame	E.g.: D. & Cle
REST API ·		
customer.billingDetails.legalName		
Hosted Payment Page :	Cell phone number	F.g.: 06 12 34 56 78
vads cust cell phone		
REST API :		
customer.billingDetails.cellPhoneNumber		
Hosted Payment Page :	Street number	E.g.: 109
vads_cust_address_number		-
REST API :		
customer.billingDetails.streetNumber		
Hosted Payment Page : vads_cust_address	Postal address	E.g.: Rue de l'Innovation
REST API : customer.billingDetails.address		
Hosted Payment Page :	Address line 2	E.g.:
vads_cust_address2		
REST API :		
customer.billingDetails.address2		
Hosted Payment Page : vads_cust_district	District	E.g.: Centre ville
REST API : customer.billingDetails.district		
Hosted Payment Page : vads_cust_zip	Zip code	E.g.: 31670
REST API : customer.billingDetails.zipcode		
Hosted Payment Page : vads_cust_city	City	E.g.: Labège
REST API : customer.billingDetails.city		
Hosted Payment Page : vads_cust_state	State / Region	E.g.: Occitanie
REST API : customer.billingDetails.state		
Hosted Payment Page : vads_cust_country	Country code in compliance with the	E.g.: "FR" for France, "PF" for French
REST API : customer.billingDetails.country	ISO 3166 alpha-2 standard.	Polynesia, "NC" for New Caledonia, "US"
	Must be transmitted in order to	for the United States.
	trigger one or several actions	
	depending on the buyer's country.	

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

#### 6.3. Transmitting shipping details

The merchant can transmit the buyer's shipping details (e-mail address, title, phone number etc.).

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

Field name	Description	Value
Hosted Payment Page : <b>vads ship to city</b>	City	E.g.: Bordeaux
REST API : customer.shippingDetails.city		0
Hosted Payment Page :	Country code in compliance with the	E.g.: FR
vads_ship_to_country	ISO 3166 standard.	5
REST API :	Must imperatively be transmitted	
customer.shippingDetails.country	for triggering one or more actions if	
	the Shipping country control profile	
	is enabled.	
Hosted Payment Page :	District	E.g.: La Bastide
vads_ship_to_district		
REST API :		
Hosted Payment Page :	First name	E.g.: Albert
vads_snip_to_iirst_name		
REST APT: customer shinningDetails firstName		
Hosted Daymont Dago :	Last name	F.a. Durant
vads shin to last name		L.g Durant
REST API		
customer.shippingDetails.lastName		
Hosted Payment Page :	Legal name	E.g.: D. & Cie
vads_ship_to_legal_name		0
REST API :		
customer.shippingDetails.legalName		
Hosted Payment Page :	Phone number	E.g.: 0460030288
vads_ship_to_phone_num		
REST API :		
customer.shippingDetails.phoneNumber		
Hosted Payment Page :	State / Region	E.g.: Nouvelle Aquitaine
vads_ship_to_state		
REST APT: customer.snippingDetails.state		
Hosted Payment Page :	Allows to specify the type of the	<b>PRIVATE</b> : for shipping to a private individual
	shipping address.	<b>COMPANY</b> : for shipping to a company
RESTAPT: customer shinningDetails status		
Hosted Payment Page :	Street number	Fg·2
vads ship to street number		L.g 2
REST API :		
customer.shippingDetails.streetNumber		
Hosted Payment Page :	Postal address	E.g.: Rue Sainte Catherine
vads_ship_to_street		
REST API :		
customer.shippingDetails.address		
Hosted Payment Page :	Address line 2	
vads_ship_to_street2		
REST API :		
customer.shippingDetails.address2		
Hosted Payment Page : vads_ship_to_zip	Zip code	E.g.: 33000
KEST APT:		
customer.snippingDetails.zipCode		

Note

The vads\_ship\_to\_phone\_num field supports all formats:

Examples:

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

# 7. VIEWING TRANSACTION DETAILS FROM THE EXPERT BACK OFFICE

Transactions can be viewed via the **Management** > **Transactions** menu.

To view the details of a transaction:

- 1. Select a transaction.
- 2. Rick click and select Display transaction details.

The **Details of a transaction** dialog box appears.

The content of the **Details** tab is displayed by default.

Transaction lifecycle contains the transaction status.

① Details of a transaction in progress: 253128 (Order reference: 2524895)		×
🕕 Details 🔒 3D Secure 🙎 Buy	er 🛛 🖺 Risk assessment 🛛 🕖 Advanced risks assessment 🖉 🗾 Event log	
Transaction identification		
Transaction :	253128 🤣	
Transaction UUID :	250342037db0470fb3b84277f4950291	
Order reference :	2524895	
Shop :	Low DML (NULLINGUL)	
Current amount :	90.57	
Type :	Debit	
Transaction life cycle		
Status :	Declined (     Reason for refusal : Advanced risks assessment)	
Error details :	147 : The risk assessment module asked for this transaction refusal.	
Creation date :	25/02/2020 17:27:55	
Requested capture date :	25/02/2020 17:27:55	
Payment method		
Payment method :	•	
Card number :	597010XXXXX0042 (2021/06 - valid)	
Issuing bank :	Respande de déres et de Tressallier	
∃ Authorization		
Merchant ID (MID) :	5785350	-
🖉 Validate   🌌 Modify   😢 Cancel	Duplicate   🔁 Receipt	
	× Clo	se

Figure 5: Details tab

3. Click the Advanced risk assessment tab to identify the applied rule and the executed action.



Figure 6: Advanced risks assessment tab

If the merchant has opted for manual validation of the transaction during profile configuration, he/she will have to subsequently validate the payment in the Back Office.

To do this:

- 1. Right-click on the transaction with the **To be validated** status.
- 2. Select Validate.
- 3. Confirm that you really wish to validate the selected transaction.

# 9. RETURN OF THE ADVANCED RISK ASSESSMENT MODULE RESULT IN THE IPN

The actions returned by the advanced risk assessment module are returned in the IPN via the fields:

- vads\_risk\_assessment\_result for the hosted payment page
- fraudManagement.riskAssessments.results for the REST API

The possible values are:

Values	Description
ENABLE_3DS	• 3DS1 card: The risk module has requested 3DS authentication.
	• 3DS2 card: The risk module has requested an authentication with cardholder interaction (challenge).
DISABLE_3DS	3DS1 card: The risk module has requested 3DS deactivation.
	• 3DS2 card: The risk module has requested an authentication without cardholder interaction (frictionless).
NO_PREFERENCE	3DS1 card: The risk module has requested 3DS authentication.
	• 3DS2 card: The risk module has requested 3DS authentication. The choice of the preference is transferred to the card issuer.
NO_CHALLENGE_REQUESTED	3DS1 card: The risk module has requested 3DS deactivation.
	• 3DS2 card: The risk module has requested an authentication without cardholder interaction (frictionless).
CHALLENGE_REQUESTED	3DS1 card: The risk module has requested 3DS authentication.
	• 3DS2 card: The risk module has requested an authentication with cardholder interaction (challenge).
CHALLENGE_MANDATE	3DS1 card: The risk module has requested 3DS authentication.
	• 3DS2 card: The risk module has requested an authentication with cardholder interaction (challenge for regulatory reasons) for regulatory reasons.
MANUAL_VALIDATION	The transaction has been created via manual validation. The payment capture is temporarily blocked to allow the merchant to perform all the desired verification processes.
REFUSE	Transaction is declined.
RUN_RISK_ANALYSIS	Call to an external risk analyzer if the Merchant has a contract. See the description of the TransactionDetails.FraudManagement.RiskAnalysis object to identify the list of possible values and their description.
INFORM	A warning message appears.
	The Merchant is notified that a potential problem has been identified.
	SMS).

## **10. OBTAINING HELP**

Looking for help? Check our FAQ on our website

https://docs.lyra.com/en/collect/faq/sitemap.html

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

To help us process your demands, you will be asked to communicate your customer code (e.g.: CLXXXXX, MKXXXXX or AGXXXXX).

This information is available in the Merchant Back Office (top of menu).