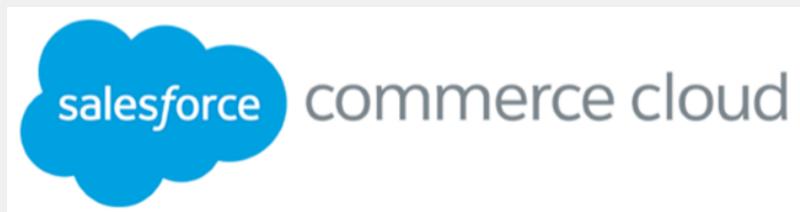




Paidy payment processing

SFRA

[ver 24.4.0]



---

## Table of contents

<b>1. Summary.....</b>	<b>4</b>
<b>2. Component summary.....</b>	<b>5</b>
<b>2-1. Features overview.....</b>	<b>5</b>
<b>2-2. Restrictions and limitations.....</b>	<b>5</b>
<b>2-3. Use cases.....</b>	<b>6</b>
<b>2-3-1. Standard payments.....</b>	<b>6</b>
<b>2-3-2. Subscription payments.....</b>	<b>10</b>
<b>2-4. Privacy when paying.....</b>	<b>14</b>
<b>3. Implementation guide.....</b>	<b>15</b>
<b>3-1. Uploading cartridges (UX Studio).....</b>	<b>15</b>
<b>3-2. BusinessManager setup.....</b>	<b>15</b>
<b>3-2-1. Cartridge assignment.....</b>	<b>15</b>
<b>3-2-2. Importing metadata.....</b>	<b>17</b>
<b>3-3. Modifying cartridges on the merchant.....</b>	<b>22</b>
<b>3-3-1. Add payment method.....</b>	<b>22</b>
<b>3-3-2. CheckoutJS installation.....</b>	<b>28</b>
<b>3-3-3. Added paidy.js loading.....</b>	<b>28</b>
<b>3-3-4. Add attribute on order confirmation button.....</b>	<b>29</b>
<b>3-3-5. CheckoutServices.js modifications.....</b>	<b>30</b>
<b>3-3-6. Add payment method to email template.....</b>	<b>34</b>
<b>3-4. Advice.....</b>	<b>35</b>
<b>4. Cartridge deployment testing at merchant.....</b>	<b>38</b>
<b>4-1. Before beginning a test.....</b>	<b>38</b>
<b>4-1-1. Paidy merchant dashboard screen.....</b>	<b>38</b>
<b>4-1-2.Commerce Cloud Business Manager.....</b>	<b>39</b>
<b>4-2. PaidyCheckout test data.....</b>	<b>39</b>
<b>4-3. Browser compatibility.....</b>	<b>40</b>
<b>4-4. Test cases.....</b>	<b>40</b>
<b>4-4-1. Paidy standard payments.....</b>	<b>40</b>
<b>4-4-2. Paidy subscription payments.....</b>	<b>41</b>
<b>5. Webhook usage examples.....</b>	<b>42</b>
<b>5-1. Webhook usage.....</b>	<b>42</b>
<b>5-2. Detecting inconsistent payments.....</b>	<b>43</b>
<b>5-3. Handling inconsistencies.....</b>	<b>43</b>
<b>5-3-1. Processing example 1.....</b>	<b>44</b>
<b>5-3-2. Processing example 2.....</b>	<b>48</b>
<b>5-4. Webhook settings.....</b>	<b>48</b>
<b>6. What to do when the service is down.....</b>	<b>49</b>
<b>7. Revision history.....</b>	<b>49</b>

---

## 1. Summary

This implementation guide supports Store Front Reference Architecture (SFRA 6.1.0) . Compatibility Mode up to 22.7 is supported.

Cartridges allow a Commerce Cloud store to make use of Paidy payments.

The developer must follow this text to install the cartridges and set them up on the online store.

Because Paidy allows for creating test payments by making use of a test API key, the user can test the settings before switching over to a live environment. For details on data needed for testing, see [4-1. Before beginning a test.](#)

A cartridge must be implemented in order to begin using Paidy payments.

- "int\_paidy\_sfra" is the core cartridge that enables use of Paidy payments on the store.

\*Other cartridges are used on SiteGenesis based cartridges.

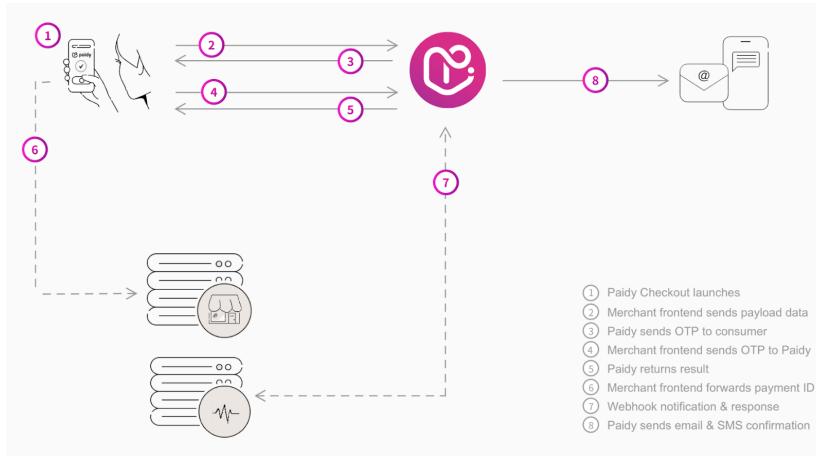
## 2. Component summary

### 2-1. Features overview

The process flow for Paidy is explained in the diagram below.

Paidy cartridges correspond to point 1-6 in this workflow.

In step 1-6, the results of authentication with Paidy are saved on the site.



### 2-2. Restrictions and limitations

- Only a “creation” process is in place for payment. Capture, Refund, Update, and Close must be implemented by the merchant.

- For first-time subscription payments, Commerce Cloud runs a creation process.

Subsequent payments must be configured at the merchant, but the payment process can be implemented by executing the functions found in the Paidy cartridge.

- Subscription payments are designed to only work when the user is logged in.

- Confirm notifications from the Webhook on OMS; if the payment process results are incorrect, you can choose to set the order status to shippable in SFCC, or cancel the payment on Paidy. For details, please see [5. Webhook usage examples](#).

- 
- This cartridge can only be used on Japanese language sites. (language: Japanese; currency: JPY)

## 2-3. Use cases

### 2-3-1. Standard payments

Paidy Checkout launches when a user clicks a payment purchase button on a site.

Consumers enter the requisite information and make a Paidy payment.

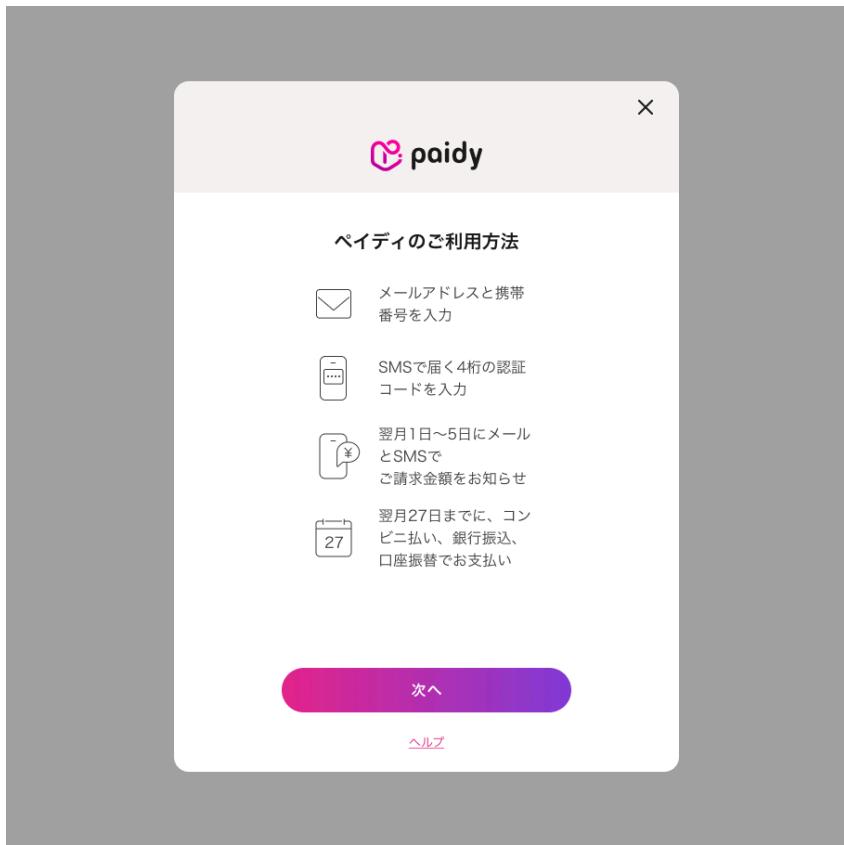
If the payment is successful, the process transitions to the product purchase confirmation screen.

- Payment flow

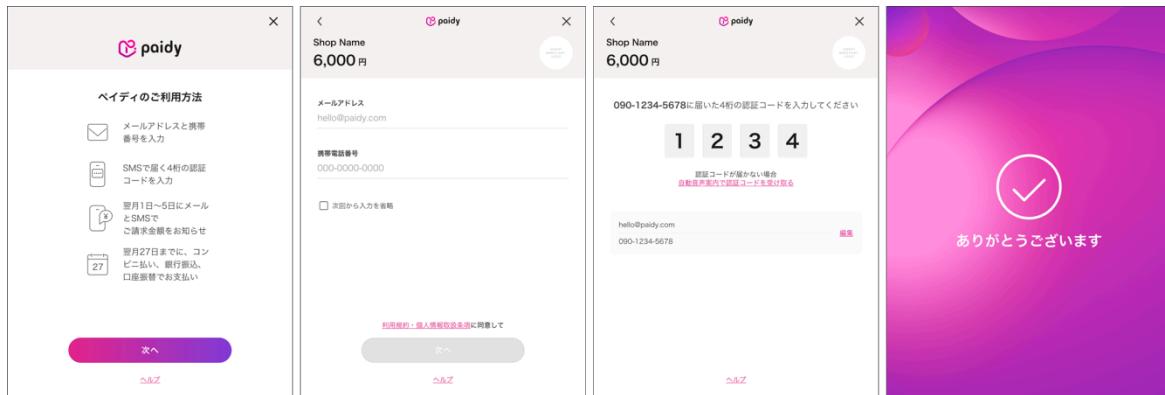
Select Paidy standard payments when selecting a payment method when checking out and proceed to confirming the order.



The Paidy Checkout popup appears.



The requisite information is filled in and Paidy payment is processed.



If the payment succeeds, the order is complete.

どうもありがとうございました。

ご注文いただきありがとうございます。

Eメールによる確認がまもなく [REDACTED] に送信されます。

領収書
注文番号: 00001508
注文日: 15/11/22

Order data created on Commerce Cloud

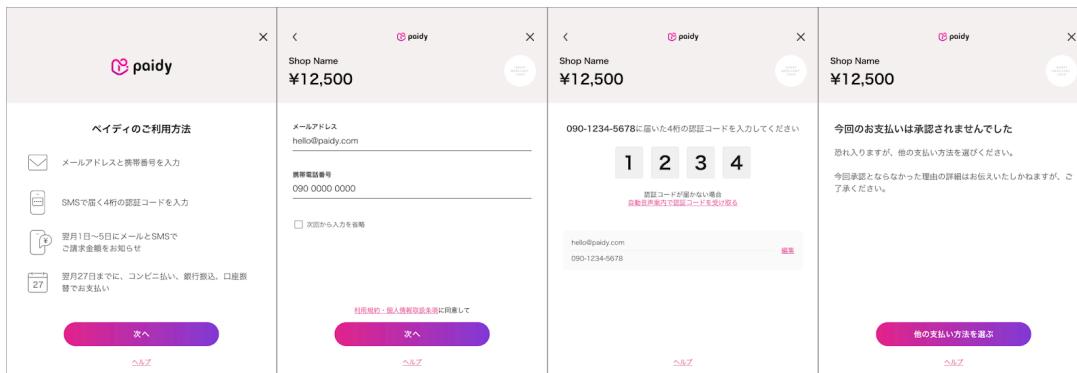
全般	属性	支払	×モ	履歴
注文 '00001508' の詳細				
情報:	1 件の配送先への 1 項目を含む。合計金額は ¥ 12,500,00 です。			
受取日:	11/15/22 2:32:51 AM Eto/UTC			
サイト:	Shop Name			
作成者:	顧客			
顧客:	[REDACTED]			
顧客ナンバー:	00006001			
IP アドレス:	[REDACTED]			
Eメール:	該当なし			
電話:	[REDACTED]			
注文ステータス:	未処理	確認ステータス:	確認済み	
配送ステータス:	未配送	エクスポートステータス:	エクスポート可能	
配送 00000206				
個数	商品 ID	名前	製造元	税率
1	01374200344M	シルバーボタンイヤリング		10.00 %
				小売単価
				¥ 11,364.00
				課税基準
				¥ 11,364.00
				項目合計
				¥ 11,364.00
				荷物配送料:
				¥ 0.00
				合計配送料 (001):
				¥ 0.00
				配送合計:
				¥ 0.00
				税金合計:
				¥ 1,136.00
				合計:
				¥ 12,500.00
				Eメールの送信
				注文の印刷

Payment data created on Paidy

決済ID	顧客名	ユーザーID	金額	オーバリ日時	ステータス	キャプチャー期限
pay_Y3L2YWWAAADgAG-oU TEST	[REDACTED]		¥12,500	2022-11-15 11:16:01	AUTHORIZED 取引ID: 00001508	2022-12-15 11:16:05
pay_Y23116YAUKUAkywT TEST	[REDACTED]		¥2,024	2022-11-11 16:12:23	AUTHORIZED 取引ID: 00000702	2022-12-11 16:12:27

If the payment fails, Paidy Checkout displays a payment error message and order failure data is created on Commerce Cloud.

Payment data will not be created on Paidy.



\*Note that if the top-right X button is clicked on the popup, order failure data is created. Payment data will not be created on Paidy.

Order data created on Commerce Cloud (order failure)

全般	属性	支払	メモ	履歴
注文 '00001509' の詳細				
情報:				
受取日:	11/15/22 2:36:57 AM Etc/UTC			
サイト:	Shop Name			
作成者:	顧客			
顧客:	[REDACTED]			
顧客ナンバー:	00006001			
IP アドレス:	該当なし			
Eメール:	[REDACTED]			
電話:	[REDACTED]			
注文ステータス:	失敗	確認ステータス:	未確認	
配送ステータス:	未配達	エクスポートステータス:	未エクスポート	
配送				
個数	商品 ID	名前	ステータス	製造元
1	013742000344M	シルバーボタンイヤリング	CANCELLED	
				税率
				10.00 %
				小売単価
				¥11,364.00
				課税基準
				¥11,364.00
				項目合計
				¥11,364.00
				荷物配送料: CANCELLED
				¥0.00
				合計配送料 (001):
				¥0.00
				配達合計:
				¥0.00
				税金合計:
				¥1,136.00
				合計:
				¥12,500.00
				Eメールの送信
				注文の印刷

## 2-3-2. Subscription payments

Only usable by logged-in users.

When clicking on the order confirmation button, Paidy Checkout launches. Consumers enter the requisite information and authenticate with Paidy. If the authentication completes correctly, a token is issued and is assigned to the order.

### - Payment flow

Select Paidy subscription payments when selecting a payment method when checking out and proceed to confirming the order.



An order confirmation screen is displayed and the order is confirmed.

.....

配送方法: 通常便 (7-10 Business Days) .....	¥ 16	
		
単価 ¥ 2,653	数量 1	合計 ¥ 2,653

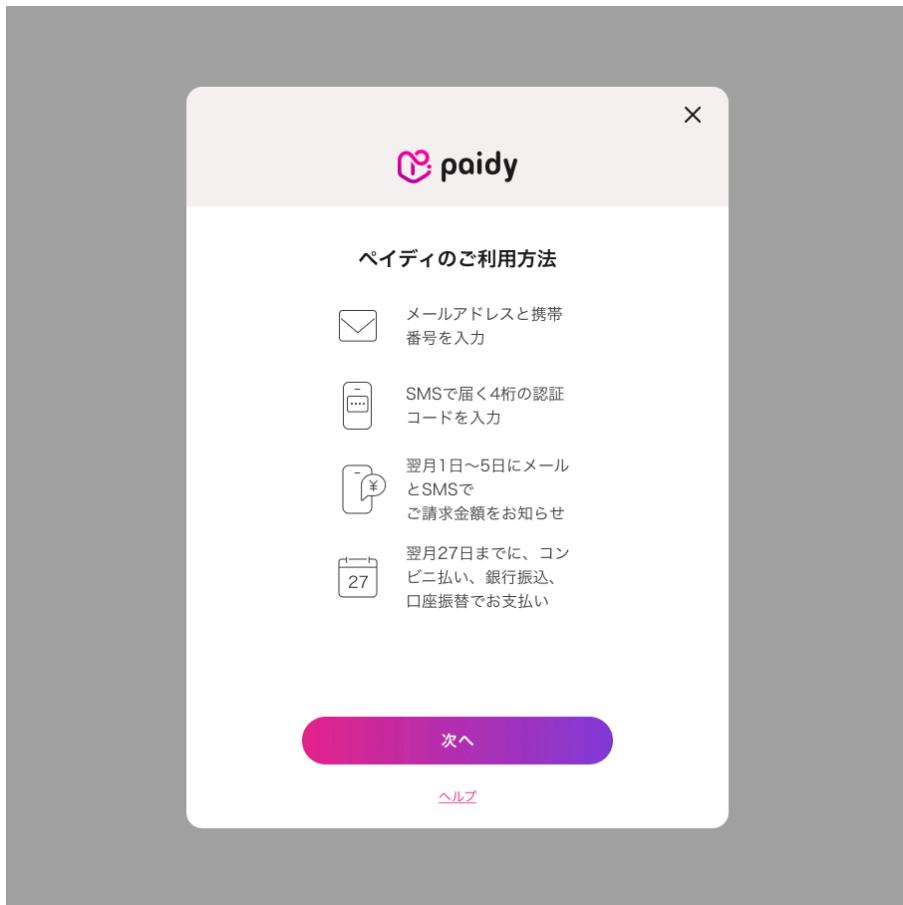
支払 [編集](#)

請求先住所:

支払:  
あと払い (ペイディ) \*定期購入

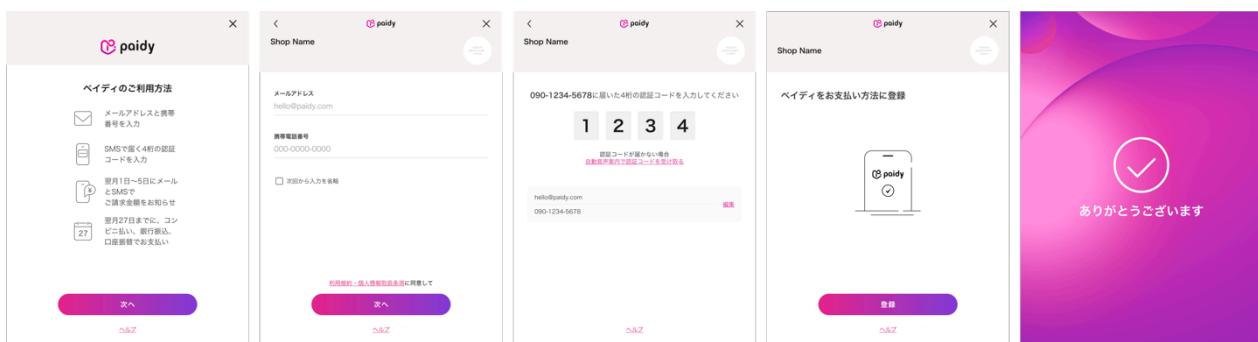
[注文を確定する](#)

The Paidy Checkout popup appears.



Enter the requisite information on Paidy Checkout and a token is issued.

\*If the popup is closed during the process by the user clicking the X button on the top right, the popup will no longer display, but a token can be reissued and the payment processed.



After issuing a token, the process moves to payment processing. If the payment succeeds, we transition to the order confirmation screen.



Order data created on Commerce Cloud

全般		属性		支払		メモ		履歴									
<strong>注文 '00001510' の詳細</strong>																	
情報:																	
受取日:																	
11/15/22 2:40:53 AM Etc/UTC																	
サイト:																	
Shop Name																	
作成者:																	
顧客																	
顧客ナンバー:																	
000005001																	
IP アドレス:																	
該当なし																	
Eメール:																	
電話:																	
注文ステータス:																	
未処理																	
確認ステータス:																	
確認済み																	
配送ステータス:																	
エクスポートステータス:																	
可能																	
配送 000002007																	
信数	商品 ID	名前	製造元	税率	小売単価	課税基準	項目合計										
1	013742000344M	シリバーボタンイヤリング		10.00 %	¥ 11,364.00	¥ 11,364.00	¥ 11,364.00										
						荷物配送料:	¥ 0.00										
						合計配送料 (001):	¥ 0.00										
						配送合計:	¥ 0.00										
						税金合計:	¥ 1,136.00										
						合計:	¥ 12,500.00										
								Eメールの送信	注文の印刷								

Payment data created on Paidy

支払管理							ログアウト
決済ID	顧客名	ユーザーID	金額	オーバー日時	ステータス	キャッシュ上限	
pay_Y3L8NimIAHAAG_YI TEST	[REDACTED]		¥12,500	2022-11-15 11:40:54	AUTHORIZED	2022-12-15 11:40:54	[REDACTED]
pay_Y3L6YWIaAF4AC_JO TEST	[REDACTED]		¥12,500	2022-11-15 11:33:05	AUTHORIZED	2022-12-15 11:33:11	[REDACTED]

If payment fails, a payment error will be displayed on the order confirmation page and order failure data is created on Commerce Cloud.

Payment data will not be created on Paidy.

The screenshot shows the 'Order Confirmation' page from Salesforce Commerce Cloud. At the top, it says 'salesforce commerce cloud'. Below that is a large blue header '注文手続き'. The main content area has a red background with white text: '申し訳ございませんが、ご注文を完了することができませんでした。ご注文が殺到しているため、または一時的な接続エラーが原因だと思われます。数分後にご注文を再度送信してください。ご注文が正しく完了するまで、お支払いが処理されることはありません。その他にもご不明がございましたら、弊社までお問い合わせください。' (Sorry, but we were unable to process your order. There was a high volume of orders or a temporary connection error. Please resubmit your order after a few minutes. Your payment will be processed once the order is successfully completed. If you have any further questions, please contact us.)

To the right, there's a sidebar titled '注文の概要' (Order Summary) with the following details:

小計	¥ 11,364
配送	¥ 0
<b>合計</b>	<b>¥ 12,500</b>

Below the sidebar, there's a section for the single item: '1点の商品' (1 item) with a price of '¥ 11,364'. It shows a thumbnail of a silver button ring, its color ('シルバー・オックス'), and its availability ('在庫あり').

単価	¥ 11,364	数量	1	合計	¥ 11,364
----	----------	----	---	----	----------

Order data created on Commerce Cloud (order failure)

全般		属性		支払		メモ		履歴									
<b>注文 '00001511' の詳細</b>																	
情報: 1 件の配送先への 1 項目を含む。合計会額は ¥ 12,500.00 です。																	
受取日:	1/1/2022 2:46:43 AM Etc/UTC	Shop Name	新規														
サイト:		作成者:															
顧客:		顧客ナバーパスワード:	000000001	IP アドレス:	該当なし	Eメール:		電話:									
注文ステータス:	失敗	確認ステータス:	未確認	エクスポートステータス:	未エクスポート												
配送ステータス:	未配達																
<b>配送</b>	<b>個数</b>	<b>商品 ID</b>	<b>名前</b>	<b>ステータス</b>	<b>製造元</b>	<b>税率</b>	<b>小売単価</b>	<b>課税基準</b>	<b>項目合計</b>								
	1	013742000344M	シルバー・ボタンイヤリング	CANCELLED		10.00 %	¥ 11,264.00	¥ 11,264.00	¥ 11,264.00								
								荷物配送料: CANCELLED	¥ 0.00								
								合計配送料 (0件):	¥ 0.00								
								配送合計:	¥ 0.00								
								税金合計:	¥ 1,136.00								
								合計:	¥ 12,500.00								
					<a href="#">Eメールの返信</a>	<a href="#">注文の印刷</a>											

## 2-4. Privacy when paying

Paidy payment authentication requires entering a telephone number and e-mail address, but these are not saved on Commerce Cloud.

However, information entered upon registration and shipment and billing details are saved on Commerce Cloud.

## 3. Implementation guide

### 3-1. Uploading cartridges (UX Studio)

The cartridge is uploaded to Commerce Cloud.

- int\_paidy
- int\_paidy\_sfra

The cartridge is for Store Front Reference Architecture (SFRA).

\*If your website is based SiteGenesis, please refer to SiteGenesis implementation guide.

Use Commerce Cloud UX-studio to upload the int\_paidy and int\_paidy\_sfra cartridges to Commerce Cloud.

### 3-2. BusinessManager setup

Paidy payment settings are configured on the Commerce Cloud management screen (Business Manager).

#### 3-2-1. Cartridge assignment

A Paidy cartridge is assigned to the site.

Management > Sites > Site Management > Sites Under Management: Settings

全般 設定 キャッシュ サイトのステータス ページのメタタグルール

## RefArch - 設定

適用をクリックして詳細を保存します。前回保存された状態に戻すには、リセットをクリックします。

インスタンスタイプ:

廃止予定。HTTP と HTTPS のホスト名の構成では、サイトのエイリアス構成の新しい機能を使用することをお薦めします ("SEO > エイリアス構成")。既存する HTTP/HTTPS ホスト名の値は、エイリアス構成でホスト名が定義されていない場合に、古い設定スタイルをサポートする目的でのみ使用されます。

HTTP ホスト名:

HTTPS ホスト名:

インスタンスタイプ: すべて

カートリッジ:

有効なカートリッジのパス:

- int\_paidy\_sfra
- int\_paidy
- app\_storefront\_base
- plugin\_apple\_pay
- plugin\_facebook
- plugin\_payments
- plugin\_pinterest\_commerce
- plugin\_web\_payments
- bc\_content
- core

int\_paidy\_sfra:int\_paidy:merchant cartridge

### 3-2-2. Importing metadata

Meta\_data\_22.1.0.zip is provided in the package.

By importing this zip file, you can add services, add payment methods / payment processors, change system objects and custom objects to use Paidy payment. Details will be described later.

Administration > Site Development > Site Import & Export

Click [Choose File].



Select meta\_data\_22.1.0.zip in the package and click the [Upload] button.



After uploading the zip file, check meta\_data\_22.1.0.zip and click [Import].

選択	名前 ▲	場所	削除可能?	ファイルサイズ	最終更新日時
<input checked="" type="radio"/>	instance/meta_data_22.1.0.zip	ローカル	はい	3.48 KB	6/10/22 2:49:15 AM
<input type="radio"/>	SiteGenesis デモサイト				
<input type="radio"/>	Storefront Reference Architecture デモサイト				

Click [OK].

インポート

⚠️ 選択したアーカイブをインポートしますか?

キャンセル

-Configuration when importing service metadata

Describes the service configuration when importing metadata.

Note that for services added after import

Please do not change the information described.

< Service Credentials >

Name : paidy.http.payment

URL : https://api.paidy.com

< Service Profiles >

Name : paidy.api.prof

< Services >

Name : paidy.api.payment

Type : HTTP

Enabled : check on

Service Mode : Live

Profile : paidy.api.prof

Credentials : paidy.http.payment

· Payment method · Configuration when importing payment processor metadata

Describes the payment method and payment processor configuration when metadata is imported.

As a point of caution, for payment methods and payment processors added after import

Please do not change the information described.

<Payment Processors >

ID : PAIDY\_STANDARD

<Payment Processors >

---

ID : PAIDY\_SUBSCRIPTION

< Payment Methods >

ID : PAIDY\_STANDARD

Name : あと払い（ペイディ）

Enabled : Yes

< Payment Methods >

ID : PAIDY\_SUBSCRIPTION

Name : あと払い（ペイディ）※定期購入

Enabled : Yes

- Object layout for metadata importing

Here we include instructions on the layout of objects when importing metadata.

One word of caution is that system and custom objects added after importing should not be modified.

<Order>

Management > Site Development > System Object Types > Order - Attribute Definitions

System objects: Order is an object that corresponds to order data

Order is given the below definitions as custom attributes.

paidyPaymentId: saves the ID issued when making a Paidy payment.

paidyToken: saves the token value used when using subscription payments.

すべて選択	ID	名前
<input type="checkbox"/>	<a href="#">paidyPaymentId</a>	
<input type="checkbox"/>	<a href="#">paidyToken</a>	

<Site Preferences>

Management > Site Development > System Object Types > Site Preferences > Attribute Definitions

System object: Site Preferences is an object that corresponds to site settings.

The below is defined as a custom attribute in Site Preferences.

paidy\_api\_key: public key data used to connect to the Paidy API.

This can be confirmed on the Paidy merchant management screen.

For a test, save the public key used for testing purposes.

paidy\_enabled: Set to use or not use Paidy cartridges.

If turn it off, paidy payments will not be available as a payment method.

paidy\_logo\_url: the URL of a logo image to be displayed on the Paidy Checkout application.

If nothing is set, the Paidy logo will be shown.

paidy\_secret\_key: secret key data used to connect to the Paidy API.

This can be confirmed on the Paidy merchant management screen.

When testing, save the secret key used for testing purposes.

- Paidy merchant management screen (details found in section 4-1-1)

#### 本番用APIキー

パブリックキー

pk\_live\_

シークレットキー

sk\_live\_

#### テスト用APIキー

パブリックキー

pk\_test\_

シークレットキー

sk\_test\_

paidy\_service\_name: key data used to call the information for communicating with Paidy as registered in BM.

This is fixed to paidy.api.payment.

paidy\_store\_name: the shop name displayed on Paidy Checkout application headers, MyPaidy, and the merchant dashboard.

---

paidy\_token\_description (optional): specifies descriptions of tokens defined by the merchant.

<input type="checkbox"/>	<a href="#"><u>paidy_api_key</u></a>
<input type="checkbox"/>	<a href="#"><u>paidy_enabled</u></a>
<input type="checkbox"/>	<a href="#"><u>paidy_logo_url</u></a>
<input type="checkbox"/>	<a href="#"><u>paidy_secret_key</u></a>
<input type="checkbox"/>	<a href="#"><u>paidy_service_name</u></a>
<input type="checkbox"/>	<a href="#"><u>paidy_store_name</u></a>
<input type="checkbox"/>	<a href="#"><u>paidy_token_description</u></a>

<Customer Profile>

Management > Site Development > System Object Types > Customer Profile > Attribute Definitions

System object: Customer Profile is an object relating to customer data.

The below is defined as a custom attribute on the Customer Profile.

paidyToken: token data used for subscription payments. Saved when issuing a token.

すべて選択	ID	名前
<input type="checkbox"/>		<a href="#"><u>paidyToken</u></a>

<Custom site environment settings>

Merchant Tools > Site Environment Settings > Custom Site Environment Settings Group  
Once metadata is successfully imported, a group with the Paidy ID will be created in the custom environment settings group.

The screenshot shows a list of custom site environment settings. There is one entry for 'Paidy' with ID 6. The 'Site-wide Display' button is highlighted.

ID	名前	説明	環境設定	サイト全体で表示
Paidy			6	<a href="#">表示</a>

Clicking Paidy displays configuration screens for each value. Enter the requisite information and click the Save button at the top right.

The screenshot shows the configuration of Paidy settings. The following values are set:

- paidy\_enabled: はい (Yes)
- paidy\_api\_key: pk\_test\_ (Placeholder)
- paidy\_logo\_url: https://paidy.com/dist/paidy-logo-noshadow.svg
- paidy\_secret\_key: sk\_test\_ (Placeholder)
- paidy\_store\_name: PaidyDemoStore
- paidy\_service\_name: paidyapi.payment
- paidy\_token\_description: (Placeholder)

### 3-3. Modifying cartridges on the merchant

#### 3-3-1. Add payment method

In order to display Paidy by payment method, write it in the template of the payment page.

By writing this script, you can:

- Selection tab added to payment methods

- The explanation for consumers is displayed when Paidy payment is selected
- The type of Paidy payment selected by the payment method is displayed on the order confirmation screen when selecting Paidy payment.

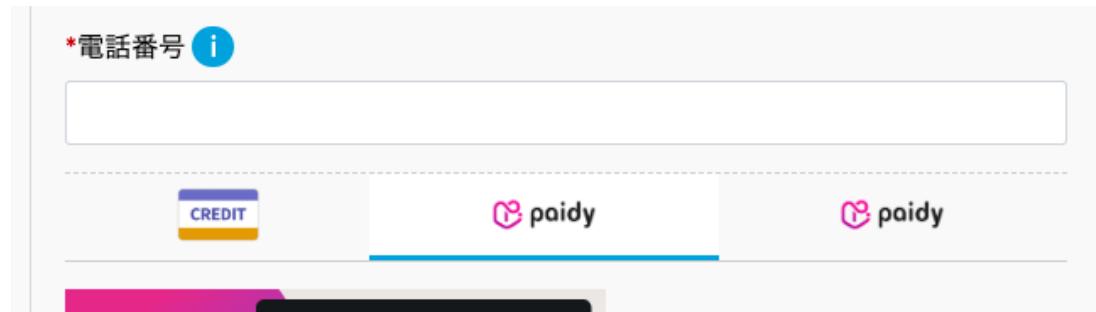
To embed a template, modify the following file.

[app\_storefront\_base]/cartridge/templates/default/checkout/billing/paymentOptions/paymentOptionsTabs.isml

Add the below after </isif>.

```
.....  
<isif condition="${paymentOption.ID === 'PAIDY_STANDARD'}">  
  <isinclude template="checkout/billing/paymentOptions/paidyStandardTab" />  
</isif>  
<isif condition="${paymentOption.ID === 'PAIDY_SUBSCRIPTION'}">  
  <isinclude template="checkout/billing/paymentOptions/paidySubscriptionTab" />  
</isif>  
.....
```

```
<isloop items="${pdict.order.billing.payment.applicablePaymentMethods}" var="paymentOption">  
  <isif condition="${paymentOption.ID === 'CREDIT_CARD'}">  
    <isinclude template="checkout/billing/paymentOptions/creditCardTab" />  
  </isif>  
  <isif condition="${paymentOption.ID === 'PAIDY_STANDARD'}">  
    <isinclude template="checkout/billing/paymentOptions/paidyStandardTab" />  
  </isif>  
  <isif condition="${paymentOption.ID === 'PAIDY_SUBSCRIPTION'}">  
    <isinclude template="checkout/billing/paymentOptions/paidySubscriptionTab" />  
  </isif>  
</isloop>
```

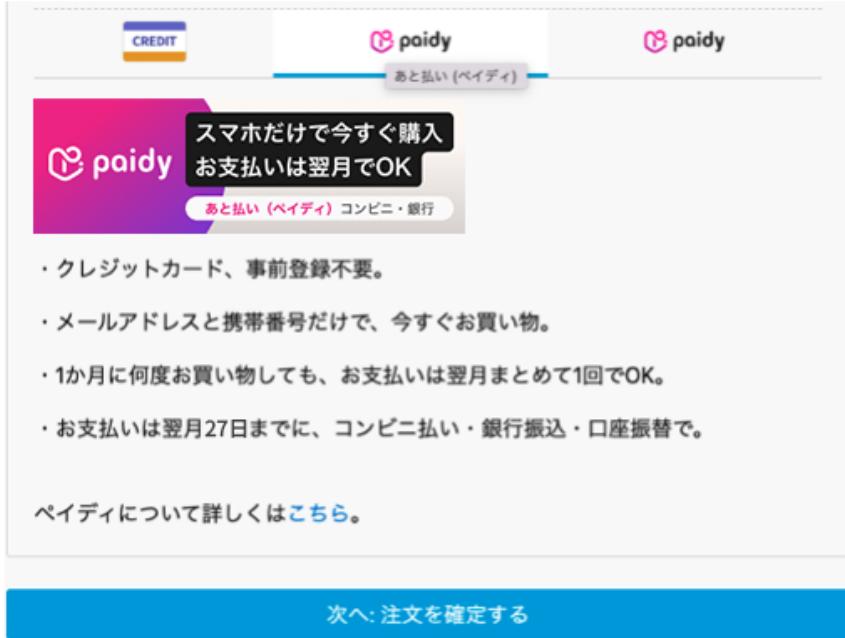


[app\_storefront\_base]/cartridge/templates/default/checkout/billing/paymentOptions/paymentOptionsContent.isml

Add the below after </isif>.

```
.....  
<isif condition="${paymentOption.ID === 'PAIDY_STANDARD'}">  
  <isinclude template="checkout/billing/paymentOptions/paidyStandardContent" />  
</isif>  
<isif condition="${paymentOption.ID === 'PAIDY_SUBSCRIPTION'}">  
  <isinclude template="checkout/billing/paymentOptions/paidySubscriptionContent" />  
</isif>  
.....
```

```
isloop items="${pdict.order.billing.payment.applicablePaymentMethods}" var="paymentOption">  
  <isif condition="${paymentOption.ID === 'CREDIT_CARD'}">  
    <isinclude template="checkout/billing/paymentOptions/creditCardContent" />  
  </isif>  
  <isif condition="${paymentOption.ID === 'PAIDY_STANDARD'}">  
    <isinclude template="checkout/billing/paymentOptions/paidyStandardContent" />  
  </isif>  
  <isif condition="${paymentOption.ID === 'PAIDY_SUBSCRIPTION'}">  
    <isinclude template="checkout/billing/paymentOptions/paidySubscriptionContent" />  
  </isif>  
</isloop>
```



[app\_storefront\_base]/cartridge/templates/default/checkout/billing/paymentOptions/paymentOptionsSummary.isml

Add the below after </isif> and </div>.

.....

(omission)

```
<isif condition="${payment.paymentMethod === 'CREDIT_CARD'}">
  <isinclud template="checkout/billing/paymentOptions/creditCardSummary" />
</isif>

<isif condition="${payment.paymentMethod === 'PAIDY_STANDARD'}">
  <isinclud template="checkout/billing/paymentOptions/paidyStandardSummary" />
</isif>

<isif condition="${payment.paymentMethod === 'PAIDY_SUBSCRIPTION'}">
  <isinclud template="checkout/billing/paymentOptions/paidySubscriptionSummary" />
</isif>

</isloop>
</div>

<div class="payment-details-summary paidy-standard" style="display: none;">
  <isinclud template="checkout/billing/paymentOptions/paidyStandardSummary" />
</div>

<div class="payment-details-summary paidy-subscription" style="display: none;">
  <isinclud template="checkout/billing/paymentOptions/paidySubscriptionSummary" />
</div>
```

.....

```
<div class= "payment-details" >
  <isloop items="${pdict.order.billing.payment.selectedPaymentInstruments}" var="payment">
    <isif condition="${payment.paymentMethod === 'CREDIT_CARD'}">
      <isinclud template="checkout/billing/paymentOptions/creditCardSummary" />
    </isif>
    <isif condition="${payment.paymentMethod === 'PAIDY_STANDARD'}">
      <isinclud template="checkout/billing/paymentOptions/paidyStandardSummary" />
    </isif>
    <isif condition="${payment.paymentMethod === 'PAIDY_SUBSCRIPTION'}">
      <isinclud template="checkout/billing/paymentOptions/paidySubscriptionSummary" />
    </isif>
  </isloop>
</div>

<div class="payment-details-summary paidy-standard" style="display: none;">
  <isinclud template="checkout/billing/paymentOptions/paidyStandardSummary" />
</div>
<div class="payment-details-summary paidy-subscription" style="display: none;">
  <isinclud template="checkout/billing/paymentOptions/paidySubscriptionSummary" />
</div>
```



• [app\_storefront\_base]/cartridge/scripts/checkout/checkoutHelpers.js

Add the below function.

```
/*
 * Selected payment instrument
 * @param {dw.order.Order} order - The order object to be placed
 * @returns {string|null} selected payment instrument
 */
function selectedPaymentInstrument(order) {
    if (order.billing.payment && order.billing.payment.selectedPaymentInstruments
        && order.billing.payment.selectedPaymentInstruments.length > 0) {
        return order.billing.payment.selectedPaymentInstruments[0].paymentMethod;
    } else {
        return null;
    }
}
(omission)
    setGift: setGift,
    selectedPaymentInstrument: selectedPaymentInstrument
};
```

```

728  /** ↓
729   * Selected payment instrument ↓
730   * @param {dw.order.Order} order - The order object to be placed ↓
731   * @returns {string|null} selected payment instrument ↓
732  */ ↓
733  function selectedPaymentInstrument(order) { ↓
734    if (order.billing.payment && order.billing.payment.selectedPaymentInstruments ↓
735      && order.billing.payment.selectedPaymentInstruments.length > 0) { ↓
736      return order.billing.payment.selectedPaymentInstruments[0].paymentMethod; ↓
737    } else { ↓
738      return null; ↓
739    } ↓
740  } ↓
741 ↓
742 module.exports = [↓
743   getFirstNonDefaultShipmentWithProductLineItems: getFirstNonDefaultShipmentWithProductLineItems,
744   ensureNoEmptyShipments: ensureNoEmptyShipments, ↓
745   getProductLineItem: getProductLineItem, ↓
746   isShippingAddressInitialized: isShippingAddressInitialized, ↓
747   prepareCustomerForm: prepareCustomerForm, ↓
748   prepareShippingForm: prepareShippingForm, ↓
749   prepareBillingForm: prepareBillingForm, ↓
750   copyCustomerAddressToShipment: copyCustomerAddressToShipment, ↓
751   copyCustomerAddressToBilling: copyCustomerAddressToBilling, ↓
752   copyShippingAddressToShipment: copyShippingAddressToShipment, ↓
753   copyBillingAddressToBasket: copyBillingAddressToBasket, ↓
754   validateFields: validateFields, ↓
755   validateCustomerForm: validateCustomerForm, ↓
756   validateShippingForm: validateShippingForm, ↓
757   validateBillingForm: validateBillingForm, ↓
758   validatePayment: validatePayment, ↓
759   validateCreditCard: validateCreditCard, ↓
760   calculatePaymentTransaction: calculatePaymentTransaction, ↓
761   recalculateBasket: recalculateBasket, ↓
762   handlePayments: handlePayments, ↓
763   createOrder: createOrder, ↓
764   placeOrder: placeOrder, ↓
765   savePaymentInstrumentToWallet: savePaymentInstrumentToWallet, ↓
766   getRenderedPaymentInstruments: getRenderedPaymentInstruments, ↓
767   sendConfirmationEmail: sendConfirmationEmail, ↓
768   ensureValidShipments: ensureValidShipments, ↓
769   setGift: setGift, ↓
770   selectedPaymentInstrument: selectedPaymentInstrument ↓
771 ]; ↓
772

```

[app\_storefront\_base]/cartridge/templates/default/checkout/billing/paymentOptions.isml  
Add the below the first line of the file (after div.form-nav) and attribute in div.form-nav

```

<isscript>
  <isset name="paymentMethod"
value="${require(*/cartridge/scripts/checkout/checkoutHelpers).selectedPaymentInstrument(pdct.
order)}" scope="page"/>
</isscrip>

```

```

<div class="form-nav billing-nav payment-information"
  data-payment-method-id="CREDIT_CARD"
  data-selected-payment-method="${paymentMethod}"
  data-is-new-payment="${pdct.customer.registeredUser &&
pdct.customer.customerPaymentInstruments.length ? false : true}">
```

>

.....

```

1 <isset name="paymentMethod" value="${require('/cartridge/scripts/checkout/checkoutHelpers').selectedPaymentInstrument(pdct.order)}" scope="page"/> ↓
2 <div class="form-nav billing-nav payment-information" ↓
3   data-payment-method-id="CREDIT CARD" ↓
4   data-selected-payment-method="${paymentMethod}" ↓
5   data-is-new-payment="${pdct.customer.registeredUser && pdct.customer.customerPaymentInstruments.length ? false : true}" ↓
6 > ↓
7 @   <ul class="nav nav-tabs nav-fill payment-options" role="tablist"> ↓
8     <isinclude template="checkout/billing/paymentOptions/paymentOptionsTabs" /> ↓
9   </ul> ↓
10 </div> ↓
11 <div class="credit-card-selection-new" > ↓
12 @   <div class="tab-content"> ↓
13     <isinclude template="checkout/billing/paymentOptions/paymentOptionsContent" /> ↓
14   </div> ↓
15 </div>

```

### 3-3-2. CheckoutJS installation

In order to process payment, the Checkout JS script is embedded in the payment page template.

Including this script will call Paidy Checkout.

To embed the template, modify the following file.

- [app\_storefront\_base]/cartridge/templates/default/common/layout/checkout.isml

Add the below after <head>

.....

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <script type="text/javascript" src="https://apps.paidy.com/"></script>
    <!--[if gt IE 9]><!-->

```

```

<!DOCTYPE html> ↓
<html lang="en"> ↓
  <head> ↓
    <script type="text/javascript" src="https://apps.paidy.com/"></script> ↓
  <!--[if gt IE 9]><!--> ↓
    <isinclude sf-toolkit="off" template="/common/scripts" /> ↓

```

### 3-3-3. Added paidy.js loading

Add the paidy.js required for the payment process below.

- [app\_storefront\_base]/cartridge/templates/default/checkout/checkout.isml

Add the below after assets.addJs('/js/checkout.js');

.....

```

<isscript>
  var assets = require('/cartridge/scripts/assets.js');
  assets.addJs('/js/checkout.js');

```

```
assets.addJs('/js/paidy.js');
assets.addCss('/css/checkout/checkout.css');
</script>
.....
<isdecorate template="common/layout/checkout">
<!-- Load Static Assets -->
<script>
  var assets = require('*cartridge/scripts/assets.js');
  assets.addJs('/js/checkout.js');
  assets.addJs('/js/paidy.js');
  assets.addCss('/css/checkout/checkout.css');
</script>
```

### 3-3-4. Add attribute on order confirmation button

Define the information required for the payment process as the attribute of the settlement confirmation button.

- [app\_storefront\_base]/cartridge/templates/default/checkout/checkout.isml

Add the below in button.place-order

```
<button class="btn btn-primary btn-block place-order"
data-action="${URLUtils.url('CheckoutServices-PlaceOrder')}"
  data-get-paidy-standard-config="${URLUtils.url('PaidyStandard-GetPaidyConfig')}"
  data-paidy-standard-fail-order="${URLUtils.url('PaidyStandard-FailOrder')}"
  data-paidy-standard-place-order="${URLUtils.url('PaidyStandard-PlaceOrder')}"
  data-get-paidy-subscription-config="${URLUtils.url('PaidySubscription-GetPaidyConfig')}"
  data-paidy-subscription-set-token="${URLUtils.url('PaidySubscription-SetPaidyToken')}"
type="submit" name="submit" value="place-order">>${Resource.msg('button.place.order',
'checkout', null)}
</button>
```

```
<button class="btn btn-primary btn-block submit-payment" type="submit" name="submit" value="submit-payment">  
| ${Resource.msg('button.next.place.order', 'checkout', null)}  
</button>  
  
<button class="btn btn-primary btn-block place-order" data-action="${URLUtils.url('CheckoutServices-PlaceOrder')}"  
data-get-paidy-standard-config="${URLUtils.url('PaidyStandard-GetPaidyConfig')}"  
data-paidy-standard-fail-order="${URLUtils.url('PaidyStandard-FailOrder')}"  
data-paidy-standard-place-order="${URLUtils.url('PaidyStandard-PlaceOrder')}"  
data-get-paidy-subscription-config="${URLUtils.url('PaidySubscription-GetPaidyConfig')}"  
data-paidy-subscription-set-token="${URLUtils.url('PaidySubscription-SetPaidyToken')}"  
type="submit" name="submit" value="place-order">>${Resource.msg('button.place.order', 'checkout', null)}  
</button>  
</div>  
</div>  
</div>
```

### 3-3-5. CheckoutServices.js modifications

Select Paidy as the payment method, and do not process credit card payment in Ajax processing when transitioning to the order confirmation screen.

- [app\_storefront\_base]/cartridge/controllers/CheckoutServices.js

Add the below.

```
.....  
server.post(  
  'SubmitPayment',  
  server.middleware.https,  
  csrfProtection.validateAjaxRequest,  
  function (req, res, next) {  
  (omission)  
    var validationHelpers = require('*cartridge/scripts/helpers/basketValidationHelpers');  
    var cartHelpers = require('*cartridge/scripts/cart/cartHelpers');  
    var paidyHelpers = require('*cartridge/scripts/paidy/paidyHelpers');  
    var currentBasket = BasketMgr.getCurrentBasket();  
  (omission)  
    }  
    paidyHelpers.resetPaymentForms(currentBasket);  
    var billingAddress = currentBasket.billingAddress;  
    var billingForm = server.forms.getForm('billing');  
.....
```

```
40 //**↓
41 * Handle Ajax payment (and billing) form submit ↓
42 */
43 server.post(↓
44     'SubmitPayment', ↓
45     server.middleware.https, ↓
46     csrfProtection.validateAjaxRequest, ↓
47     function (req, res, next) {↓
48         var PaymentManager = require('dw/order/PaymentMgr'); ↓
49         var HookManager = require('dw/system/HookMgr'); ↓
50         var Resource = require('dw/web/Resource'); ↓
51         var COHelpers = require('/cartridge/scripts/checkout/checkoutHelpers'); ↓
52     }↓
53     (中略)↓
54     var validationHelpers = require('/cartridge/scripts/helpers/basketValidationHelpers'); ↓
55     var cartHelpers = require('/cartridge/scripts/cart/cartHelpers'); ↓
56     var paidyHelpers = require('/cartridge/scripts/paidy/paidyHelpers'); ↓
57     ↓
58     var currentBasket = BasketMgr.getCurrentBasket(); ↓
59     var validatedProducts = validationHelpers.validateProducts(currentBasket); ↓
60     ↓
61     var billingData = res.getViewData(); ↓
62     ↓
63     if (!currentBasket || validatedProducts.error) {↓
64         delete billingData.paymentInformation; ↓
65         ↓
66         res.json({↓
67             error: true, ↓
68             cartError: true, ↓
69             fieldErrors: [], ↓
70             serverErrors: [], ↓
71             redirectUrl: URLUtils.url('Cart-Show').toString() ↓
72         }); ↓
73         return; ↓
74     }↓
75     ↓
76     paidyHelpers.resetPaymentForms(currentBasket); ↓
77     ↓
78     var billingAddress = currentBasket.billingAddress; ↓
79     var billingForm = server.forms.getForm('billing'); ↓
80     var paymentMethodID = billingData.paymentMethod.value; ↓
```

Add a process to be interrupted before proceeding the payment process when creating an order from Paidy with Ajax

Add the below.

```
server.post('PlaceOrder', server.middleware.https, function (req, res, next) {  
    var BasketMgr = require('dw/order/BasketMgr');  
  
    (omission)  
  
    var addressHelpers = require('*cartridge/scripts/helpers/addressHelpers')  
    var paidyHelpers = require('*cartridge/scripts/paidy/paidyHelpers');  
  
    var currentBasket = BasketMgr.getCurrentBasket();  
  
    (omission)  
  
    if (handlePaymentResult.error) {  
        res.json([  
            error: true,  
            errorMessage: Resource.msg('error.technical', 'checkout', null)  
        ]);  
  
        return next();  
    }  
}
```

---

```
if (paidyHelpers.isPaidyStandard(currentBasket.paymentInstrument.paymentMethod)){
    var responseJson = require('*cartridge/scripts/paidy/standard/authorize')
        .getConfirmationPaidyJSON(currentBasket.paymentInstrument.paymentMethod,
order.getCustomer(), order);
    res.json(responseJson);
    return next();
} else if (paidyHelpers.isPaidySubscription(currentBasket.paymentInstrument.paymentMethod)){
    var paidySubscriptionAuthorize = require(
        '*cartridge/scripts/paidy/subscription/authorize')
        .Authorize(order, req.querystring.paidyToken);
    if (paidySubscriptionAuthorize.error) {
        Transaction.wrap(function () { OrderMgr.failOrder(order); });
        res.json({
            error: true,
            errorMessage: Resource.msg('error.technical', 'checkout', null)
        });
        return next();
    }
}
var fraudDetectionStatus = hooksHelper('app.fraud.detection', 'fraudDetection',
currentBasket, require('*cartridge/scripts/hooks/fraudDetection').fraudDetection);
.....
```

```

40 server.post('PlaceOrder', server.middleware.https, function (req, res, next) {↓
41   var BasketMgr = require('dw/order/BasketMgr');↓
42   var OrderMgr = require('dw/order/OrderMgr');↓
43   var Resource = require('dw/web/Resource');↓
44   var Transaction = require('dw/system/Transaction');↓
45   var URLUtils = require('dw/web/URLUtils');↓
46   var basketCalculationHelpers = require('*cartridge/scripts/helpers/basketCalculationHelpers');↓
47   var hooksHelper = require('*cartridge/scripts/helpers/hooks');↓
48   var COHelpers = require('*cartridge/scripts/checkout/checkoutHelpers');↓
49   var validationHelpers = require('*cartridge/scripts/helpers/basketValidationHelpers');↓
50   var addressHelpers = require('*cartridge/scripts/helpers/addressHelpers');↓
51   ↓
52   var paidyHelpers = require('*cartridge/scripts/paidy/paidyHelpers');↓
53   ↓
54   var currentBasket = BasketMgr.getCurrentBasket();↓
55   ↓

```

### (中略)

```

81     errorMessage: Resource.msg('error.technical', 'checkout', null)↓
82   );↓
83   return next();↓
84 }↓
85 ↓
86 if (paidyHelpers.isPaidyNormal(currentBasket.paymentInstrument.paymentMethod)) {↓
87   var responseJson = require('*cartridge/scripts/paidy/normal/authorize')↓
88   .getConfirmationPaidyJSON(currentBasket.paymentInstrument.paymentMethod, order.getCustomer(), order);↓
89   res.json(responseJson);↓
90   return next();↓
91 } else if (paidyHelpers.isPaidyRegular(currentBasket.paymentInstrument.paymentMethod)) {↓
92   var paidyRegularAuthorize = require('*cartridge/scripts/paidy/regular/authorize')↓
93   .Authorize(order, req.querystring.paidyToken);↓
94   if (paidyRegularAuthorize.error) {}↓
95   Transaction.wrap(function () { OrderMgr.failOrder(order); });↓
96   res.json({↓
97     error: true,↓
98     errorMessage: Resource.msg('error.technical', 'checkout', null)↓
99   });↓
100  return next();↓
101 }↓
102 }↓
103 ↓
104 var fraudDetectionStatus = hooksHelper('app.fraud.detection', 'fraudDetection', currentBasket, require('*car
105 if (fraudDetectionStatus.status === 'fail') {}↓

```

- [app\_storefront\_base]/cartridge/scripts/cart/cartHelpers.js

Add the below function.

(omission)

```

/**
 * Deletes multiple payment instruments.
 *
 * @transactional
 * @alias module:models/CartModel~CartModel/removePaymentInstruments
 * @param {dw.order.Basket} basket - the target Basket object
 * @param {dw.util.Collection} paymentInstruments - The payment instruments to remove.
 */
function removePaymentInstruments(currentBasket, paymentInstruments) {
  collections.forEach(paymentInstruments, function(item) {
    currentBasket.removePaymentInstrument(item);
  });
}

```

}

(omission)

updateBundleProducts: updateBundleProducts,  
**removePaymentInstruments: removePaymentInstruments**

};

```
/**↓
 * Deletes multiple payment instruments.↓
 *↓
 * @transactional↓
 * @alias module:models/CartModel~CartModel/removePaymentInstruments↓
 * @param {dw.order.Basket} basket - the target Basket object↓
 * @param {dw.util.Collection} paymentInstruments - The payment instruments to remove.↓
 */↓
function removePaymentInstruments(currentBasket, paymentInstruments) {↓
    collections.forEach(paymentInstruments, function(item) {↓
        currentBasket.removePaymentInstrument(item);↓
    });
}↓
module.exports = {↓
    addLineItem: addLineItem,↓
    addProductToCart: addProductToCart,↓
    checkBundledProductCanBeAdded: checkBundledProductCanBeAdded,↓
    ensureAllShipmentsHaveMethods: ensureAllShipmentsHaveMethods,↓
    getQtyAlreadyInCart: getQtyAlreadyInCart,↓
    getNewBonusDiscountLineItem: getNewBonusDiscountLineItem,↓
    getExistingProductLineItemInCart: getExistingProductLineItemInCart,↓
    getExistingProductLineItemsInCart: getExistingProductLineItemsInCart,↓
    getMatchingProducts: getMatchingProducts,↓
    allBundleItemsSame: allBundleItemsSame,↓
    hasSameOptions: hasSameOptions,↓
    BONUS_PRODUCTS_PAGE_SIZE: BONUS_PRODUCTS_PAGE_SIZE,↓
    updateBundleProducts: updateBundleProducts,↓
    removePaymentInstruments: removePaymentInstruments↓
};↓
```

### 3-3-6. Add payment method to email template

Add a payment method to the email sent when payment is completed.

.

[app\_storefront\_base]/cartridge/templates/default/checkout/confirmation/confirmationEmail.issml

Add the below after </isif> in isloop of Payment information

(omission)

```
<span>${Resource.msg('msg.card.type.ending', 'confirmation', null)}  
${payment.expirationMonth}/${payment.expirationYear}</span>  
</div>  
</isif>
```

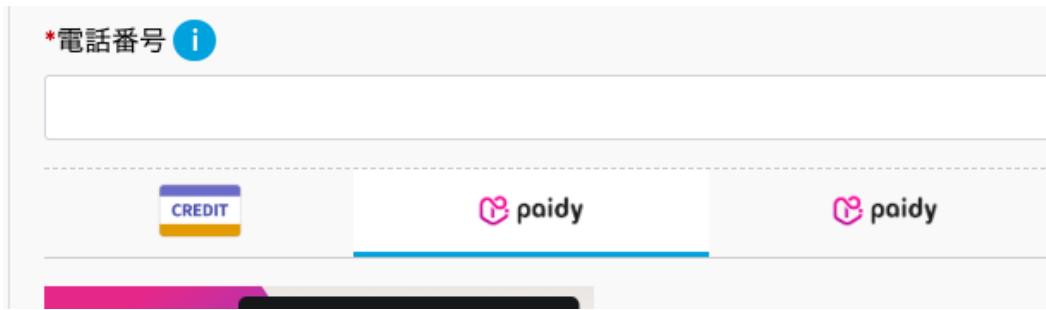
```
<isif condition="${payment.paymentMethod === 'PAIDY_STANDARD'}">
  <isinclude template="checkout/billing/paymentOptions/paidyStandardSummary" />
</isif>
<isif condition="${payment.paymentMethod === 'PAIDY_SUBSCRIPTION'}">
  <isinclude template="checkout/billing/paymentOptions/paidySubscriptionSummary" />
</isif>
</isloop>
</div>
</div>

.....
<isloop items="${pdict.order.billing.payment.selectedPaymentInstruments}" var="payment">
  <isif condition="${payment.paymentMethod === 'CREDIT_CARD'}">
    <div>
      <span>${Resource.msg('msg.payment.type.credit', 'confirmation', null)} ${payment.type}</span>
    </div>
    <div>
      ${payment.maskedCreditCardNumber}
    </div>
    <div>
      <span>${Resource.msg('msg.card.type.ending', 'confirmation', null)} ${payment.expirationMonth}/${payment.year}</span>
    </div>
  </isif>
  <isif condition="${payment.paymentMethod === 'PAIDY_STANDARD'}">
    <isinclude template="checkout/billing/paymentOptions/paidyStandardSummary" />
  </isif>
  <isif condition="${payment.paymentMethod === 'PAIDY_SUBSCRIPTION'}">
    <isinclude template="checkout/billing/paymentOptions/paidySubscriptionSummary" />
  </isif>
</isloop>
```

### 3-4. Advice

- Notes on use of subscription purchases

If you followed the steps to add a payment method as indicated in section 3-3-1, by default, you will have two separate entries -- standard payments and subscription payments.



If there are means to detect whether subscription payments have been selected when transitioning to the payment selection screen, CSS or other means can be used to restrict the display to only show 「あと払い(ペイディ)」.

- Notes on tokens

int\_paidy\_sfra does not use PaidyToken for customer information.

Tokens can be checked via order data.

Merchant Tools > Order > Order > Order Numbers: Attribute

PaidyPayments	
<b>paidyToken:</b>	<input type="text"/>
<b>paidyPaymentId:</b>	<input type="text"/>

- Order confirmation e-mails for subscription purchases

int\_paidy\_sfra cartridge is designed such that order confirmation e-mails are sent in the same manner as standard e-mails even for subscription purchases. To customize the e-mail sent, you can modify the int\_paidy\_sfra cartridge.

- Error message when a subscription payment is rejected

Please refer to the following wording for the message when a subscription payment is rejected.

今回の決済は承認されませんでした

申し訳ございませんが、オンラインショップが提供する他の支払方法をご利用ください。

なお、審査結果の詳細につきましては開示できませんのであらかじめご了承ください。

---

Paidyに関するお問い合わせ

0120-971-918

---

## 4. Cartridge deployment testing at merchant

### 4-1. Before beginning a test

#### 4-1-1. Paidy merchant dashboard screen

- Confirming the test API key

Check the public and secret keys used for the test API; these will be entered into the custom site environment settings screen.

本番用APIキー	
パブリックキー	<code>pk_live_</code>
シークレットキー	<code>sk_live_</code>
テスト用APIキー	
パブリックキー	<code>pk_test_</code>
シークレットキー	<code>sk_test_</code>

## 4-1-2.Commerce Cloud Business Manager

### - API key settings

From the above settings screen, enter the test API keys you found for paidy\_api\_key and paidy\_secret\_key in section 4-1-1. Paidy merchant dashboard screen.

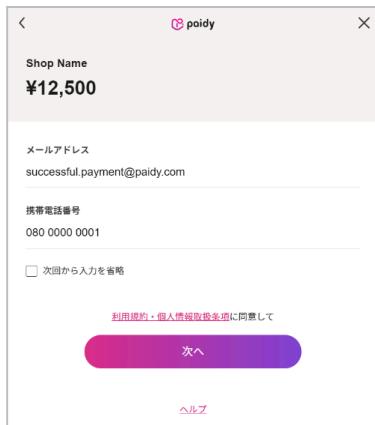
名前	値	デフ
paidy_api_key	pk_test_	
paidy_logo_url		
paidy_secret_key	sk_test_	
paidy_store_name		
paidy_service_name		
paidy_token_description		

## 4-2. PaidyCheckout test data

e-mail address and phone number

E-mail address and telephone usable for test cases

Test cases	mail address	phone number
Success	successful.payment@paidy.com	080-0000-0001
Failure	rejected.payment@paidy.com	



\*Note that the e-mail address and phone number for the above member data and shipping and billing address can differ.

-Authentication number



080-0000-0001に届いた4桁の認証コードを入力してください



認証コードが届かない場合  
自動音声案内で認証コードを受け取る



### 4-3. Browser compatibility

This cartridge supports the following OSes and browsers.

Device - OS	Browser
PC - Windows	Edge: latest version
	Chrome: latest version
	FireFox: latest version
PC - MacOS	Chrome: latest version
	Safari: latest version
Smartphone - iOS	iPhone (latest version of iOS) Safari iPhone (latest version of iOS) Chrome
Smartphone - Android	Android4.4 and later, Chrome

### 4-4. Test cases

Test cases to run after configuring the cartridge are listed below.

#### 4-4-1. Paidy standard payments

Standard payment is tested using a guest and a member.

1. Successful order as guest

- 
- If not logging in and selecting a payment method for Paidy standard payments, the PaidyCheckout popup appears. Entering a successful e-mail address and phone number will display the product purchase confirmation screen.
  - The Commerce Cloud order number created on the Paidy merchant site should be displayed as a transaction ID
  - The order status for the corresponding order number on Business Manager on Commerce Cloud will be new

## 2. Order success as member

- After logging in, when selecting a payment method for Paidy standard payments, the PaidyCheckout popup appears. Entering a successful e-mail address and phone number will display the product purchase confirmation screen.
- The Commerce Cloud order number created on the Paidy merchant site should be displayed as a transaction ID
- The order status for the corresponding order number on Business Manager on Commerce Cloud will be new

## 3. Failed order as guest

- If not logging in and selecting a payment method for Paidy standard payments, the PaidyCheckout popup appears. Entering a failing e-mail address and phone number will display an error message.
- The order status for the corresponding order number on Business Manager on Commerce Cloud will have failed

## 4. Order failure as member

- After logging in, when selecting a payment method for Paidy standard payments, the PaidyCheckout popup appears. Entering a failing e-mail address and phone number will display an error message.
- The order status for the corresponding order number on Business Manager on Commerce Cloud will have failed

### 4-4-2. Paidy subscription payments

Test as a member.

---

## 1. Success as a member

- When logging in as a member and selecting a payment method for Paidy subscription payments, the Confirm Order button is clicked and the PaidyCheckout popup appears. Entering a successful e-mail address and phone number and proceeding to processing the payment will display a product purchase confirmation screen
- The Commerce Cloud order number created on the Paidy merchant site should be displayed as a transaction ID
- The order status for the corresponding order number on Business Manager on Commerce Cloud will be new

## 2. Failure as a member

- When selecting a payment method for Paidy subscription payments and clicking the Confirm Order button, the PaidyCheckout popup appears. Entering a failing e-mail address and phone number and proceeding to processing the payment will display an error message
- The order status for the corresponding order number on Business Manager on Commerce Cloud will have failed

## 5. Webhook usage examples

### 5-1. Webhook usage

Paidy payments run credit holds for a purchase by means of communication directly between a consumer and Paidy over JavaScript. Therefore, one limitation of the system is that if the consumer bounces or the connection is cut, the e-commerce site may fail to obtain the results of payment confirmation and the stale payment data will remain on Paidy.

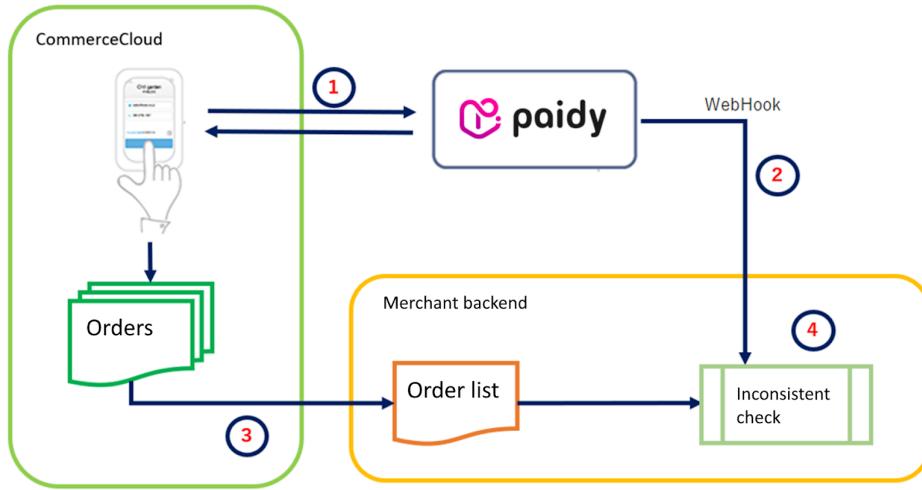
In the event of an inconsistency like the above, there are two problems.

1. The shop loses the opportunity to complete the order.
2. If the order does not have to be completed, the consumer has a credit hold placed against their Paidy account.

To accommodate these cases, a Webhook is provided.

The merchant can use the Webhook to detect inconsistent payments.

## 5-2. Detecting inconsistent payments



### 1. Payment

Payment is made via Commerce Cloud using Paidy. A callback from Paidy's payment results returns one of the three order statuses below.

- Payment success: New      Outputted to the order list. Payment possible status
- Payment failure: Failed Not outputted to the order list. Payment not possible status
- Processing: Created      Not outputted to the order list. When in a payment not possible status, updating the payment transitions to a payable status.

### 2. Webhook

Setting Webhook endpoints on the merchant backend allows for receiving notifications from Paidy of payment completion.

### 3. Order list

A list of successful orders processed through batch processing on Commerce Cloud is sent as an xml file to the merchant's backend.

### 4. Inconsistent payment check processing

Checks for payments where Webhook data (2) is found, but no payment data (3) exists on Commerce Cloud.

## 5-3. Handling inconsistencies

Inconsistent payments that have been detected can be handled as follows, allowing for resolving the above issues.

### 5-3-1. Processing example 1

In this solution, a list of inconsistent/invalid payments is outputted and can be checked by the merchant.

After a check is performed, the necessary steps are taken (approving or cancelling payment).

#### 1. Establishing payment

Use the Order function on Business Manager on Commerce Cloud to update the status.

- General tab

Merchant Tools > Ordering > Orders > Order: WBSC00005100(Paidy\_Master)

General Attributes Payment Notes History

Details for Order 'WBSC00005100'

Information:	Contains 1 line item to 1 shipping location The total price is ¥14,506.00.
Date Received:	11/24/17 6:27:23 am Etc/UTC
Site:	Paidy_Master
Created By:	Customer
Customer:	[REDACTED]
Customer No.:	00033017
IP Address:	n/a
Email:	[REDACTED]
Phone:	[REDACTED]
Order Status:	Open
Shipping Status:	Not Shipped
Confirmation Status:	Confirmed
Export Status:	Ready for Export

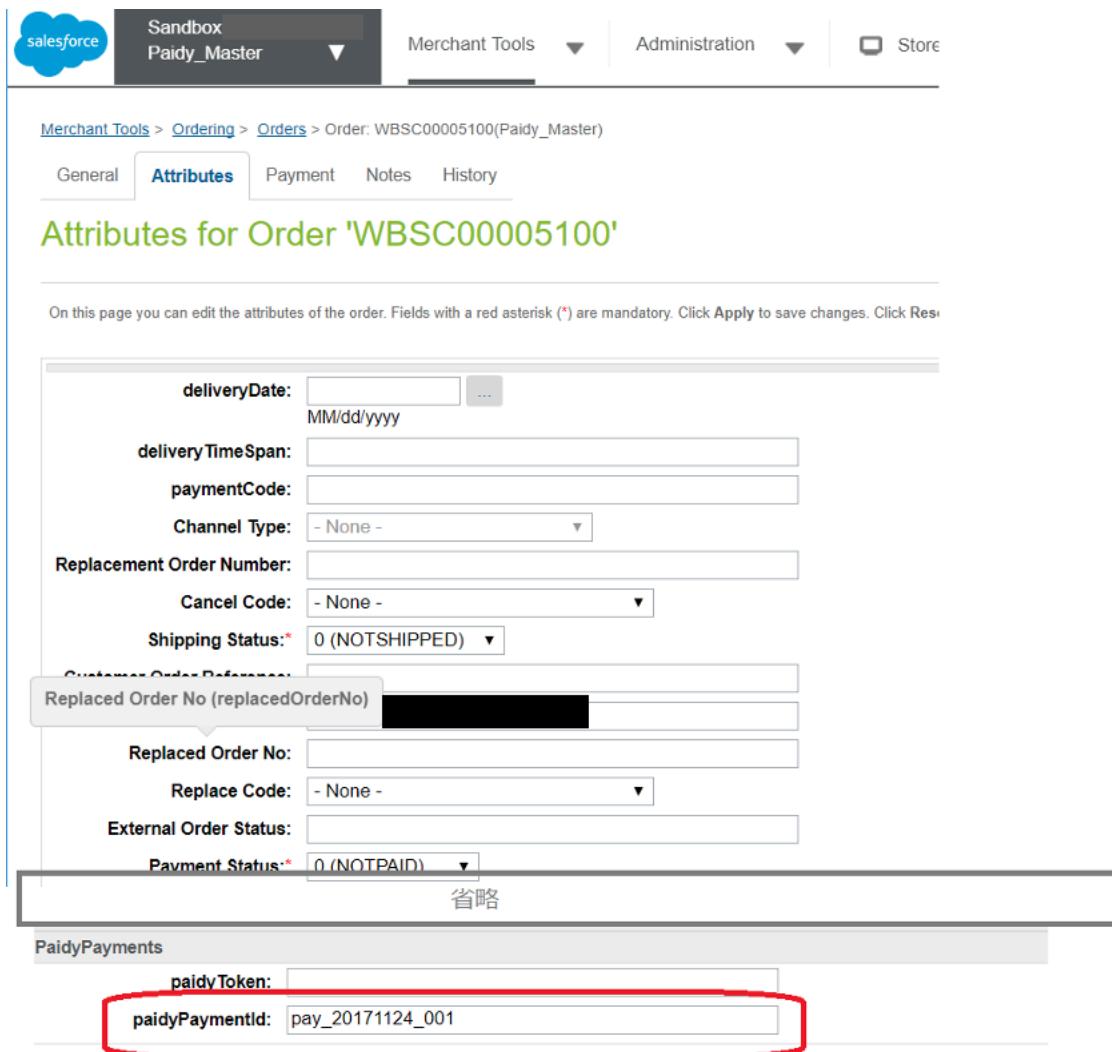
The status of the above three points is changed per below

Order Status : Created→Open

Confirmation Status : Not Confirm→Confirmed

Export Status:Not Exported→Ready for Export

• Attribute tab



Salesforce  
Paidy\_Master

Sandbox Merchant Tools Administration Store

Merchant Tools > Ordering > Orders > Order: WBSC00005100(Paidy\_Master)

General Attributes Payment Notes History

### Attributes for Order 'WBSC00005100'

On this page you can edit the attributes of the order. Fields with a red asterisk (\*) are mandatory. Click Apply to save changes. Click Res...

deliveryDate:  ...  
MM/dd/yyyy

deliveryTimeSpan:

paymentCode:

Channel Type: - None -

Replacement Order Number:

Cancel Code: - None -

Shipping Status: \* 0 (NOTSHIPPED) ▾

Customer Order Reference:

Replaced Order No (replacedOrderNo):  [REDACTED]

Replaced Order No:

Replace Code: - None -

External Order Status:

Payment Status: \* 0 (NOTPAID) ▾

省略

PaidyPayments

paidyToken:

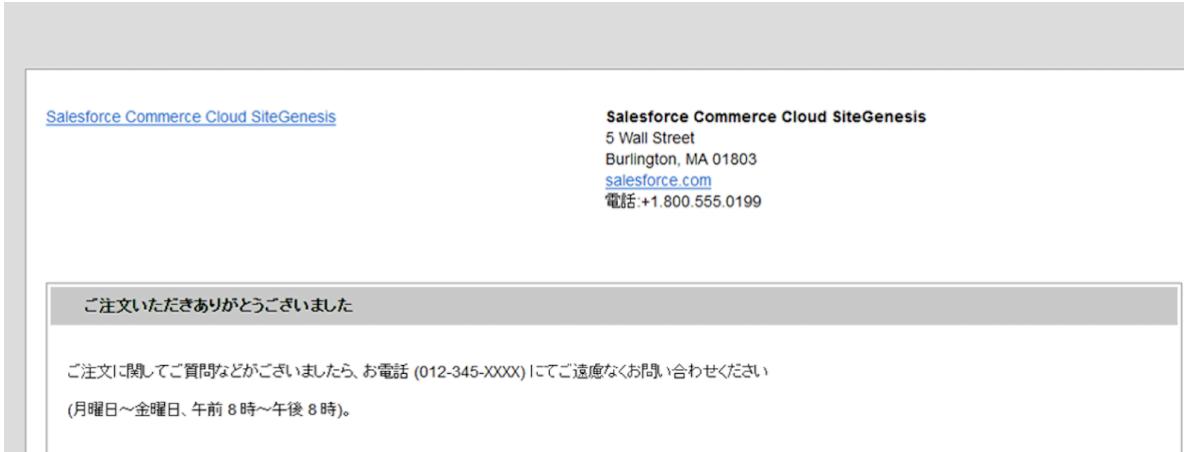
paidyPaymentId: pay\_20171124\_001

Set the paidyPaymentID that arrived via the Webhook for paidyPaymentId

\*In order to e-mail an order confirmation e-mail as you would with StoreFront, it must be customized, as the format differs (see below).

- Order confirmation e-mail (concept)

■SiteGenesis StoreFront e-mail (normally used e-mail)



■E-mails sent from SendMail button on bottom of General tab on BusinessManager  
> Orders

SiteGenesis

Demo SiteGenesis  
5 Wall Street  
Burlington, MA 01803  
[SiteGenesis](#)  
Phone: +1.888.553.9216

**Order Confirmation:** Order Number: WBSC00005101 - Thank you for your order!

This email confirms we received your order at [SiteGenesis](#). We will email your shipping confirmation with your tracking number when your items have been shipped. Your order will generally be shipped within 24 hours after we've received it. You can check your order's status on your account pages at [SiteGenesis](#).

**Thank you for shopping with us!**

Please print and save a copy for reference.

Please review the order below and verify that everything is correct.

**PLEASE NOTE:** Since we begin processing your order shortly after you submit it on our web site, if any changes are necessary you MUST contact us via PHONE ONLY, at **+1.888.553.9216**

HIPMENT 1

PRODUCT DETAILS	QTY.	TOTAL	SHIPPING DETAILS
Samsung Series 6 22" LCD High Definition Television Item Number:samsung-ln22a650 全品セール中	1	¥ 66,318 ¥ - 33,159	

PAYMENT METHOD	AMOUNT
	Payment Total ¥ 36,351

## 2. Cancelling payments

Displaying the transaction in question on the Paidy merchant management screen and Canceling it (do not capture and close).



The screenshot shows the Paidy merchant management system. On the left is a sidebar with icons for Home, Settlement Management, Reports, Settings, and Search. The main area has a header "支払詳細". Below it, a table shows transaction details:

ステータス	AUTHORIZED
取引ID	WBSC00005640
Authorized金額	¥ 5,487 (注文金額: ¥ 4,581 税金: ¥ 406 配送: ¥ 500)
キャプチャー金額	¥ 0 (注文金額: ¥ 0 税金: ¥ 0 配送: ¥ 0 リファンド: ¥ 0)
日付	2017-12-01 14:44:40
キャプチャー期限	2017-12-31 14:44:41
ストア名	[REDACTED]
決済ID	pay_WiDsSEoAAFYAdAYR TEST

Below this is a "顧客情報" section with fields for Name (山田 太郎), Last Name (ヤマダ タロウ), Email (successful.payment@paidy.com), and Address (住所). A red box highlights the "キャプチャーせずにクローズ" button.

At the bottom is an "オーダー内容" table:

商品番号	商品名	価格	数量	小計
701642843610	ワイドウェストベンシルスカート	¥ 4,581	1	¥ 4,581

### 5-3-2. Processing example 2

In this example, the system makes a determination and automatically cancels inconsistent payments.

If, after referencing the order data and Webhook data on Commerce Cloud, the payment does not complete on Commerce Cloud, and authorization data is found only on Paidy, the close API is requested and the payment is closed.

<https://paidy.com/docs/jp/payments.html#close>

### 5-4. Webhook settings

In order to receive notifications from Paidy on the backend, the Webhook URL must be saved to the Paidy merchant management screen settings.

URL: <https://merchant.paidy.com>

You can enable these settings for a live environment by setting the merchant's live backend URL in the Webhooks: Live API Key and Old Version API Access Key sections.

In order to check connectivity with test payments before configuring the live environment, set the merchant's backend test URL in Webhooks: Test API Key.

Paidy merchant management screen

Webhooks - 「本番用APIキー」および「旧バージョンAPIアクセスキー」

Webhookの設定(※オフにすると現在設定されているWebhook URLは削除されます)

Webhook URL

現在設定されているWebhook URL

URLを指定してください

設定

Webhooks - 「テスト用APIキー」

テスト用Webhookの設定(※オフにすると現在設定されているWebhook URLは削除されます)

テスト用Webhook URL

現在設定されているテスト用  
Webhook URL

URLを指定してください

更新

## 6. What to do when the service is down

- what happens when the service is down

If you select Paidy payment, you will get an error screen or the pop-up will stop working.

- what the merchant should do to fix it

To get started, please contact Paidy Technical Support.

Paidy Technical Support

Mail: tech-support@paidy.com

TEL : 03-5545-5099 (weekdays 10:00-18:00)

If it takes a time to recover, please set the enable flag for paidy\_enabled to "いいえ(No)" in the Custom Preferences.

インスタンスタイプ  
Sandbox (サンドボックス)

IDで検索...

名前	値	デフォルト値
paidy_enabled (paidy_enabled)	いいえ	はい

サイト全体で編集

## 7. Revision history

Version	Date	Revisions
---------	------	-----------

1.1.0	2019/12/06	First edition
20.1.0	2020/01/15	<ul style="list-style-type: none"> <li>-SFRAのバージョン情報を追記。</li> <li>-Business Managerの互換モードを記載。</li> <li>-Add Version of SFRA and Compatibility Mode</li> <li>-Add 6. What to do when the service is down</li> </ul>
20.1.0	2020/4/5	<ul style="list-style-type: none"> <li>-SFRAのバージョン情報を追記。</li> <li>-Business Managerの互換モードを記載。</li> <li>-Add Version of SFRA and Compatibility Mode</li> <li>-Add 6. What to do when the service is down</li> </ul>
21.1.0	2021/6/21	<ul style="list-style-type: none"> <li>-Update 1. Cartridges version update</li> <li>-Update 4.SFRA support version update</li> <li>-Update 16-17. int_paidy postscript</li> <li>-Update 18. Import meta file name update</li> <li>Deleted description related to SiteGenesis and common metafile</li> <li>-Update 25. Corrected the description of function felected Payment Instrument</li> <li>- Update 31. Embedded code fix</li> <li>-Removed 35. Deleted the description of package.json</li> </ul>

22.1.0	2022/6/21	<p>p.1 update version in cover</p> <p>all pages Modified normal payment ID and subscription ID, as follows.</p> <ul style="list-style-type: none"><li>- normal -&gt; standard</li><li>- regular -&gt; subscription</li></ul> <p>p.4 updated supported store Front Reference Architecture and compatibility mode version</p> <p>p.17 update import meta file name</p> <p>p.37 4-3. Removed IE11 from Browser compatibility</p>
--------	-----------	---

22.1.1	2022/11/24	All pages <p>The following modifications were made due to the change in the name of Paidy standard and subscription payment service.</p> <ul style="list-style-type: none"><li>● standard payment あと払い (ペイディ)</li><li>● subscription payment あと払い (ペイディ) ※定期購入</li></ul> <p>●支払方法説明</p> <ul style="list-style-type: none"><li>・クレジットカード、事前登録不要。</li><li>・メールアドレスと携帯番号だけで、今すぐお買い物。</li><li>・1か月に何度もお買い物しても、お支払いは翌月まとめて1回でOK。</li><li>・お支払いは翌月10日までに、コンビニ払い・銀行振込・口座振替で。</li></ul> <p>ペイディについて詳しくはこちら。</p> <p>Capture was changed to reflect the above changes.</p>
--------	------------	---

24.4.0	2024/06/20	p.1 update version in cover  all pages Some images changed due to change in customer payment due date
--------	------------	---