

# Paidy payment processing

---

Version<22.1.0>



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# 1. Summary

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](#).

Three cartridges must be implemented in order to begin using Paidy payments.

- int\_paidy is the core cartridge that enables use of Paidy payments on the store.
- int\_paidy\_controllers is a cartridge that enables support of Paidy payments on a JSController site.

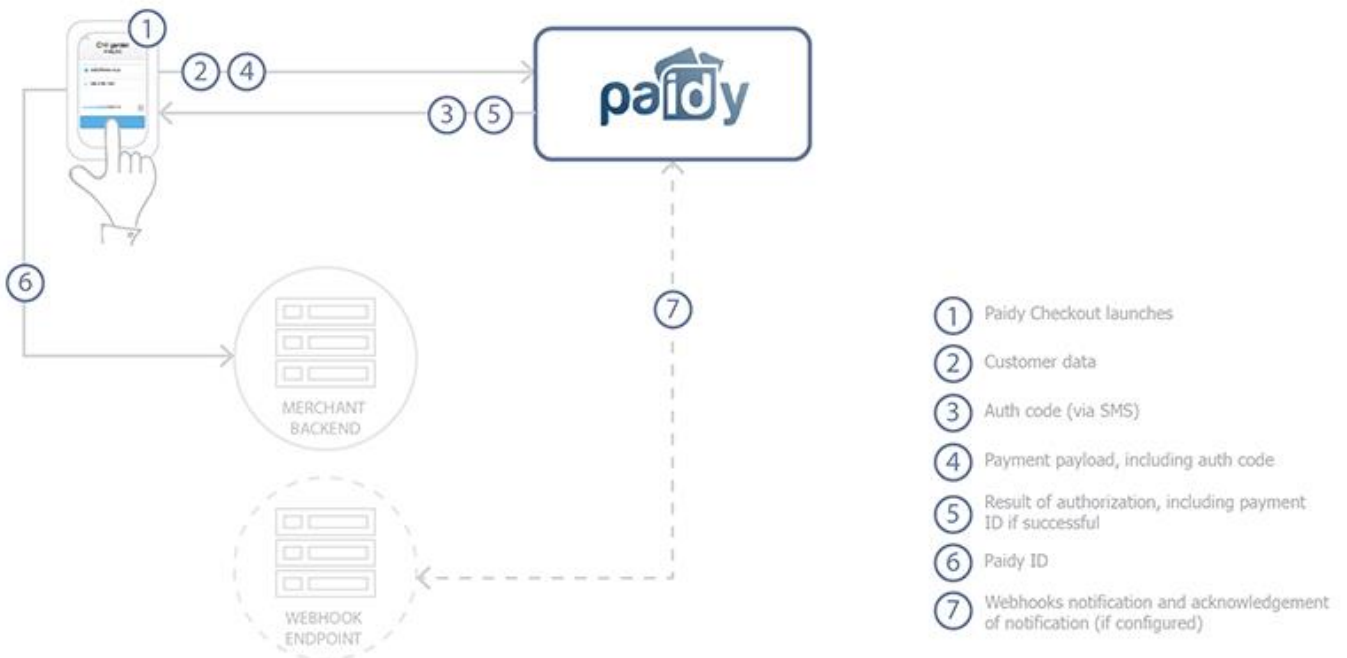
## 2. Component summary

### 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.




The figure shows four sequential screenshots of the Paiddy app interface during a payment completion process:

- Screen 1:** Displays the Paiddy logo, a confirmation message, and a button labeled "お支払手続きへ" (Proceed to payment).
- Screen 2:** Shows the merchant name "サンプル店" (Sample Store) and amount "¥5,487". It includes a confirmation code "080-0000-0001" and a button labeled "次へ" (Next).
- Screen 3:** Displays the merchant name "サンプル店" and amount "¥5,487". It includes a confirmation code "0800-000-0001" and a button labeled "次へ" (Next).
- Screen 4:** Shows a large blue checkmark and the text "Paiddyの処理が完了しました" (Paiddy's processing is complete). It includes a button labeled "ショップサイトに戻る" (Return to shop site).

If the payment succeeds, the order is complete.



commerce cloud



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[メンズ](#)
[ELECTRONICS](#)
[売れ筋商品](#)
[SPRING LOOK BOOK 2017](#)

ご注文いただきありがとうございます


**注文番号: WBSC00004505**

注文日: 26-10-2017  
**支払方法**  
 Payo 翌月払い (コンビニ銀行)  
 金額 ¥ 10,436  
**請求先住所**  
 日本 988-8888  
 宮城県 仙台市 青葉区 つつみちょう 1 1 1  
 山田 太郎 ヤマダ タロウ

電話 080-0000-0001  
**配送番号: 1**

**支払金額合計**  
 小計 ¥ 9,163  
 配送 通常配送 ¥ 500  
 消費税 ¥ 773  
**注文合計: ¥ 10,436**

**配送ステータス:**  
 未配送  
**配送方法:**  
 通常配送

**配送先**  
 日本 988-8888  
 宮城県 仙台市 青葉区 つつみちょう 1 1 1  
 山田 太郎 ヤマダ タロウ  
 080-0000-0001

**商品**  
 Wide Waist Pencil Skirt  
 ・ 金品セール中  
 商品番号 701642849610  
 色 シンクマルチ  
 サイズ 4

**数量**  
 2

**価格**  
 ¥ 9,163

[買い物に戻る](#)

## Order data created on Commerce Cloud

メンバーシップ

注文

注文: WBSC00004505(Paidy\_Master)

全般

属性

支払

メモ

履歴

注文 'WBSC00004505' の詳細

情報:

1 件の配達先への 1 項目を含む。合計金額は ¥ 10 436.00 です。

受信日:

10/26/17 9:04:07 AM Etc/UTC

サイト:

Paidy\_Master

作成者:

顧客

顧客:

山田 太郎

顧客ナンバー:

00029023

IP アドレス:

該当なし

Eメール:

successful.payment@paidy.com

電話:

060-0000-0001

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 00029004

数量	商品 ID	名前	Manufacturer (製造元)	税率	小売単価	税基準	項目合計
2	701642843610	Wide Waist Pencil Skirt 調整 全品セール中		8.00 %	¥ 9,163.00	¥ 18,326.00	¥ 18,326.00 ¥ 9,163.00
						荷物配送料:	¥ 500.00
							¥ 10,436.00

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Paidy\_Master タイムゾーン: 協定世界時 (インスタンスのタイムゾーン) 東部夏時間 (バージョン: 17.8 最終更新日時: 10月 18, 2017 (日) 東部標準時間: 15:50)

税額合計:

¥ 200.00

税金合計:

¥ 773.00

合計:

¥ 10,436.00

Eメールの送信

注文の印刷





## 2-3-2. Subscription payments

Only usable by logged in users.

When transitioning to a screen to confirm a purchase of products on the site, a check is performed to see if the consumer has a token.

When clicking on the order confirmation button for a first time purchase, there is no token, so 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 consumer.

Once a token has been assigned or if the user has a token, the token data is used for Paidy payment.

### - Payment flow

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



支払方法の選択

☐ Credit Card ☐ Bill Me Later ☐ Paidy (コンビニ二倍付)

☒ Paidy (定期)

カスタムの支払方法の設定がここに入る

[注文の確定に進む](#)

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



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キーワードまたは商品番号を入力

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ステップ1: 配送 > ステップ2: 請求 > ステップ3: 注文の確定

商品	数量	合計
 <b>ワイドウエストベンシルスカート</b> - 全品セール中 商品番号: 701642843610 色 ジンタマルチ サイズ 4	1 在庫あり	¥ 4,581

小計 ¥ 4,581  
配送 通常配送 ¥ 500  
消費税 ¥ 406  
注文合計 ¥ 5,487

注文の概要 編集

小計 ¥ 4,581  
編集 配送 通常配送 ¥ 500  
消費税 ¥ 406  
注文合計: ¥ 5,487

配送先住所 編集

日本 980-8888  
宮城県 仙台市 青葉区 つつみち  
よう1111  
山田 太郎 ヤマダ タロウ  
配送方法: 通常配送

[買い物をかごを編集する](#) [注文を確定する](#)

The Paidy Checkout popup appears (only the first time).

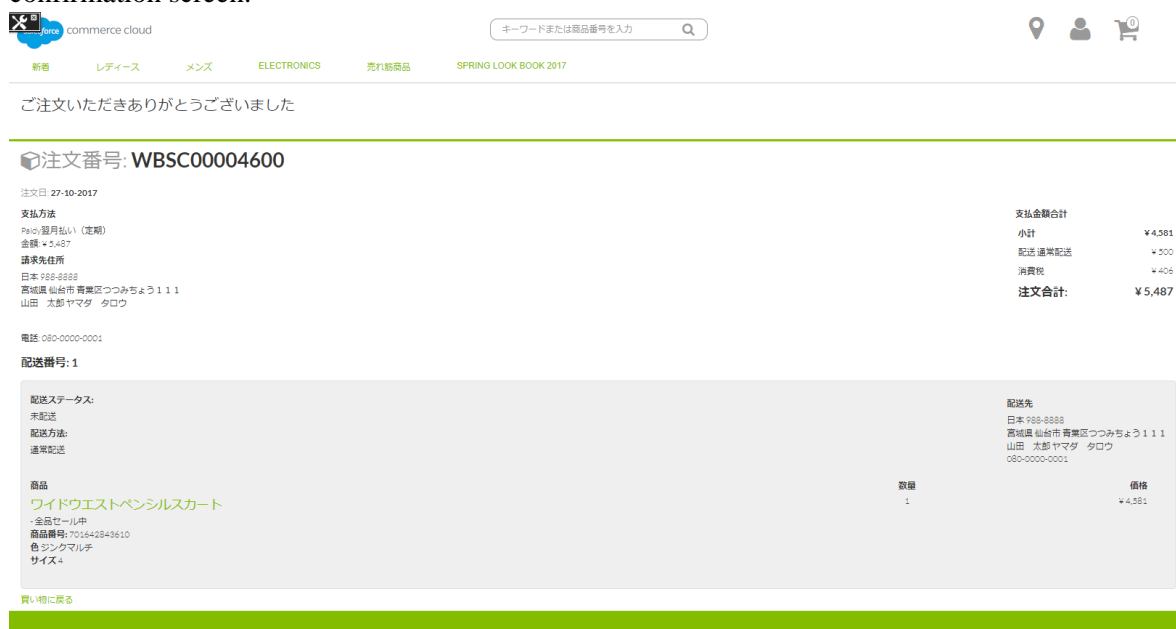


Enter the requisite information on Paidy Checkout and a token is issued.

\*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

マーチャントツール > 注文 > 注文: WBSC00004600(Paidy\_Master)

全般 属性 支払 メモ 履歴

### 注文 'WBSC00004600' の詳細

情報: 1件の配送先への1項目を含む。合計金額は ¥ 5,487.00 です。

受取日: 10/27/17 12:54:29 AM Etc/UTC  
 サイト: Paidy\_Master  
 作成者: 顧客  
 顧客: 山田 太郎  
 顧客ナンバー: 00029023  
 IP アドレス: 該当なし  
 Eメール: successful.payment@paidy.com  
 電話: 080-0000-0001

注文ステータス: 未処理 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 00029581

数量	商品 ID	名前	Manufacturer (製造元)	税率	小売単価	税基率	項目合計
1	701642843610	フィドゥエストベンシルスカート 調製 全品セール中		8.00 %	¥ 9,163.00	¥ 9,163.00	¥ 9,163.00
						¥ 4,582.00	¥ 4,582.00
						¥ 500.00	¥ 500.00

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小計: ¥ 300.00  
 税金合計: ¥ 406.00  
 合計: ¥ 5,487.00

[Eメールの送信](#) [注文の印刷](#)

## Payment data created on Paidy

株式会社ワイヤードビーンズ jun.tamamizu@wirebeans.co.jp ログアウト

ホーム

支払管理

レポート

設定

検索

### 最近の支払

決済ID	顧客名	金額	オーソリ日時	ステータス	キャプチャー期限
pay_WFKiFOAACwAKqFA TEST	山田 太郎 ヤマダ タロウ	¥ 5,487	2017-10-27 15:24	AUTHORIZED 取引ID: WBSC00004602	2017-11-26 10:15:24
pay_WFKDx10AAEYAKqZN TEST	山田 太郎 ヤマダ タロウ	¥ 5,487	2017-10-27 09:54:31	AUTHORIZED 取引ID: WBSC00004600	2017-11-26 09:54:31
pay_WFGYFOAAFQAKc- TEST	山田 太郎 ヤマダ タロウ	¥ 10,436	2017-10-26 18:05:36	AUTHORIZED 取引ID: WBSC00004505	2017-11-25 18:05:39
pay_WFGSDFQAAEDAKk-s TEST	山田 太郎 ヤマダ タロウ	¥ 5,487	2017-10-26 16:43:08	AUTHORIZED 取引ID: WBSC00004502	2017-11-25 16:44:08
pay_WFGNpIOAFMAKx1k TEST	山田 太郎 ヤマダ タロウ	¥ 5,487	2017-10-26 16:24:22	AUTHORIZED 取引ID: WBSC00004501	2017-11-25 16:24:25

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.

salesforce commerce cloud キーワードまたは商品番号を入力

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ステップ 1: 配送 > ステップ 2: 請求 > ステップ 3: 注文の確定

ご注文を送信できませんでした。支払設定をご確認の上、再度試してください。お手数料をおかけして申し訳ございません。

商品	数量	合計
 フイドゥエストベンシルスカート ・全品セール中 商品番号: 701642843610 色 ジャンクマルチ サイズ 4	1 在庫あり	¥ 4,581

小計 ¥ 4,581  
 配送 通常配送 ¥ 500  
 消費税 ¥ 406  
 注文合計 ¥ 5,487

注文の概要 編集

小計 ¥ 4,581  
 編集 配送 通常配送 ¥ 500  
 消費税 ¥ 406  
 注文合計: ¥ 5,487

配達先住所 編集

日本 888-8888  
 愛媛県 愛媛県 愛媛住所  
 山田 太郎 ヤマダ タロウ  
 配送方法: 通常配送

買い物を追加する 注文を確定する 請求先住所 編集

Order data created on Commerce Cloud (order failure)

全般 属性 支払 メモ 履歴

注文 'WBSC00004601' の詳細

情報:

1 件の配送先への 1 項目を含む。合計金額は ¥ 5,487.00 です。

受取日:

10/27/17 1 06:16 AM EtcUTC

サイト:

Paidy\_Master

作成者:

顧客

顧客:

rio hongo

顧客ナンバー:

00027002

IP アドレス:

該当なし

Eメール:

rejected.payment@paidy.com

電話:

000-0000-0001

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:

未配送

エクスポートステータス:

未エクスポート

配送

行数	商品 ID	名前	ステータス	Manufacturer (製造元)	税率	小売単価	税基準	項目合計
1	701642843610	フイドウエストペンシルスカート 調整 金糸ゼール串	CANCELLED		8.00 %	¥ 9,163.00	¥ 9,163.00	¥ 9,463.00 ¥ -4,682.00
荷物配送料: CANCELLED								¥ 600.00

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Paidy\_Master タイムゾーン: 協定世界時 | インスタンスのタイムゾーン: 東部夏時間 | バージョン: 17.8 最終更新日時: 10月 18, 2017 (互換モード: 15:5)

NCMB合計:

¥ 900.00

税金合計:

¥ 406.00

合計:

¥ 5,487.00

Eメールの送信

注文の印刷

## 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\_controllers (JSController sites)

The Paidy cartridge can be used on SiteGenesis-based JSController sites.

Use Commerce Cloud UX-studio to upload the int\_paidy and int\_paidy\_controllers 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

[管理](#) > [サイト](#) > [サイトの管理](#) > SiteGenesis - 設定

[全般](#) [設定](#) [キャッシュ](#) [サイトのステータス](#)

#### SiteGenesis - 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: Sandbox (サンドボックス)/Development (開発) ▼

廃止されています。HTTP と HTTPS のホスト名の設定では、サイトのエイリアス設定の新しい機能を使用することをお勧めします ("サイト URL/エイリアス設定")。このセクションで設定する HTTP/HTTPS ホスト名の値は、エイリアスの設定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: int\_paidy:sitegenesis\_storefront\_controllers:sitegenesis\_storefront\_core

有効なカートリッジのパス: sitegenesis\_storefront\_controllers:sitegenesis\_storefront\_core:plugin\_apple\_pay:plugin\_facebook:plugin\_pinterest\_commerce:plugin\_web\_payments:core

[適用](#) [リセット](#)

[<< リストに戻る](#)

- JSController sites

int\_paidy\_controllers:int\_paidy: merchant cartridge

Administration > Sites > Manage Sites > PaidyJDemo - Settings

General Settings Cache Site Status

## PaidyJDemo - Settings

Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

Instance Type:	<input type="text" value="Sandbox/Development"/>
Deprecated. The preferred way of configuring HTTP and HTTPS hostnames is by using new features of the site aliases configuration ("Site URLs/Aliases Configuration"). The HTTP/HTTPS hostnames values set in this section will be used if no hostnames are defined by aliases configuration and are intended only to support an older configuration style.	
HTTP Hostname:	<input type="text"/>
HTTPS Hostname:	<input type="text"/>
Instance Type: All	
Cartridges:	<input type="text" value="int_paidy_controllers:int_paidy:paidy_storefront_controllers:paidy_storefront_core"/>
Effective Cartridge Path:	<div>int_paidy_controllers int_paidy</div>

### 3-2-2. Importing metadata

meta\_data\_22.1.0\_sg.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].

インポート

アーカイブのアップロード:

☒ ローカル ☐ リモート

選択されていません

選択 名前 ▲

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

ファイルは、ローカルファイルである場合、またはファイルが作成されたインスタンスにログインしている場合にのみ削除できます。

アーカイブのアップロード:

☒ ローカル ☐ リモート

meta\_data...1.0\_sg.zip

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

アーカイブのアップロード:  
☒ ローカル ☐ リモート

選択されていません

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"/>	<a href="#">instance/meta_data_22.1.0_sg.zip</a>	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?

-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

認証 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: Paidy 翌月払い（コンビニ/銀行）

Enabled: Yes

<Payment Methods >

ID : PAIDY\_SUBSCRIPTION

Name: Paidy 翌月払い（コンビニ/銀行）※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.

<a href="#">Select All</a>	ID	Name
<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\_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)

API

API version

2016-07-01

Production API key

Public key

pk\_live\_

Reissue public key

Secret key

sk\_live\_

Reissue secret key

Test API key

Public key

pk\_test\_

Reissue public key

Secret key

sk\_test\_

Reissue secret key

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\_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\_time\_out\_second: the number of seconds before timeout when communicating with the Paidy Checkout application.

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

Select All	ID	Name
<input type="checkbox"/>	<a href="#">paidy_api_key</a>	
<input type="checkbox"/>	<a href="#">paidy_logo_url</a>	
<input type="checkbox"/>	<a href="#">paidy_secret_key</a>	
<input type="checkbox"/>	<a href="#">paidy_service_name</a>	
<input type="checkbox"/>	<a href="#">paidy_store_name</a>	
<input type="checkbox"/>	<a href="#">paidy_time_out_second</a>	
<input type="checkbox"/>	<a href="#">paidy_token_description</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.

Select All	ID	Name
<input type="checkbox"/>	paidyToken	

<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.

Merchant Tools / Site Preferences / Custom Site Preference Groups View Across Sites New

Q ▼

1-1 of 1

ID	Name	Description	Preferences	View Across Sites
Paidy	Paidy		6	<a href="#">View</a>

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

Merchant Tools / Site Preferences / Custom Site Preference Groups / Paidy Cancel Apply to Other Sites Save

Instance Type  
Sandbox

Q ▼

1-7 of 7

Name	Value	Default Value
paidy_api_key	<input type="text" value="pk_test_h2c8sdht25l4n8ve6j2bs9gbtc"/>	<a href="#">Edit Across Sites</a>
paidy_logo_url	<input type="text" value="https://cdn.pixabay.com/photo/2017/08/30/17/12/waffle-hea"/>	<a href="#">Edit Across Sites</a>
paidy_secret_key	<input type="text" value="sk_test_oruc4lrrlvce2bls930e9hk5l"/>	<a href="#">Edit Across Sites</a>

paidy_store_name	<input type="text" value="PaidyDemoStore"/>	<a href="#">Edit Across Sites</a>
paidy_time_out_second	<input type="text" value="300"/>	<a href="#">Edit Across Sites</a>
paidy_service_name	<input type="text" value="paidy.api.payment"/>	<a href="#">Edit Across Sites</a>
paidy_token_description	<input type="text" value="token discription"/>	<a href="#">Edit Across Sites</a>

## 3-3. Modifying cartridges on the merchant

### 3-3-1. CheckoutJS installation

In order to call Paidy Checkout and 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.

- [storefront\_core]\cartridge\templates\default\components\footer\footer\_UL.isml

Add the below after `<script src="{URLUtils.staticURL('/js/app.js')}"></script>`

```

.....
<isscript>
if (!empty(pdct.Basket)) {
    var paymentMethods = pdct.Basket.getPaymentInstruments();
    var paymentMethod = "";

    if (paymentMethods != null && !paymentMethods.isEmpty() ) {
        for( var i = 0; i < paymentMethods.length ; i++ ){
            if( paymentMethods[i] != null && paymentMethods[i].paymentMethod != "GIFT_CERTIFICATE" )
                paymentMethod = paymentMethods[i].paymentMethod;
        }
    }
}
</isscript>
<isif condition="{paymentMethod=='PAIDY_STANDARD'}">
<script type="text/javascript" src="https://apps.paidy.com/"></script>
<script src="{URLUtils.staticURL('/js/paidyStandard.js')}"></script>
<elseif condition="{paymentMethod=='PAIDY_SUBSCRIPTION'}">
<script type="text/javascript" src="https://apps.paidy.com/"></script>
<script src="{URLUtils.staticURL('/js/paidySubscription.js')}"></script>
<elseif/>
<script>
(function(){
    var button = $('submit-order button[type="submit"]');
    if(button.length) {
        button.prop('disabled', false);
    }

```

```

        button.removeClass('disabled');
    }
}());
</script>
</isif>
.....

```

```
<script src="${URLUtils.staticURL('/js/app.js')}"></script>
```

```

<iscript>
if (!empty(pdickt.Basket)) {
    var paymentMethods = pdickt.Basket.getPaymentInstruments();
    var paymentMethod = '';

    if (paymentMethods != null && !paymentMethods.isEmpty() ) {
        for( var i = 0; i < paymentMethods.length ; i++ ){
            if( paymentMethods[i] != null && paymentMethods[i].paymentMethod != "GIFT_CERTIFICATE" )
                paymentMethod = paymentMethods[i].paymentMethod;
        }
    }
}
</iscript>
<isif condition="${paymentMethod=='PAIDY_STANDARD'}">
<script type="text/javascript" src="https://apps.paidy.com/"></script>
<script src="${URLUtils.staticURL('js/paidyStandard.js')}"></script>
<iselseif condition="${paymentMethod=='PAIDY_SUBSCRIPTION'}">
<script type="text/javascript" src="https://apps.paidy.com/"></script>
<script src="${URLUtils.staticURL('js/paidySubscription.js')}"></script>
<iselse/>
<script>
(function(){
    var button = $('<div>submit-order button[type="submit"]</div>');
    if(button.length) {
        button.prop('disabled', false);
        button.removeClass('disabled');
    }
})();
</script>
</isif>

```

```
<isif condition="${!('pageContext' in this) || empty(pageContext)}">
```

salesforce

commerce cloud

Enter Keyword or Item No.

NEW ARRIVALS

WOMENS

MENS


ELECTRONICS

TOP SELLERS

STEP 1: Shipping

STEP 2: Billing

STEP 3: Place Order

PRODUCT	QTY	TOTAL
<div><div></div><div><div>Striped Silk Tie</div><div>Item No.: 793775064963</div><div>Color Taupe</div></div></div> <div>1</div> <div>In Stock</div> <div>¥3,616.00</div>		

Subtotal

¥3,616.00

¥500.00

¥329.00

¥4,445.00

ORDER SUMMARY

Edit

Subtotal

¥3,616.00

Edit Shipping

通常配送

¥500.00

Sales Tax

¥329.00

Order Total:

¥4,445.00

SHIPPING ADDRESS

Edit

norihiko honda

aaa

sendai, AK 99333

United States

Method

通常配送

BILLING ADDRESS

Edit

norihiko honda

aaa

sendai, AK 99333

United States

PAYMENT METHOD

Edit

Bill Me Later

Amount: ¥4,445.00

ORDER

paidy

事前登録は不要

メールアドレスと携帯電話番号  
だけで決済が完了

請求はまとめて月1回

翌月1~3日にご利用1ヶ月分の  
請求案内をメールでお届け

お支払いは翌月10日まで

コンビニ、銀行振込、口座振  
替から選べるお支払い方法  
\*コンビニ払いの場合は支払手数料  
330円(税込)が発生します。

お支払手続きへ

### 3-3-2. Controlling purchase confirmation buttons

When displaying the purchase confirmation screen and before the HTML source code is fully imported, if the confirm purchase button is clicked, the Paidy Checkout popup may fail to function properly.

Therefore, the purchase confirmation button must be styled such that it cannot be clicked when first displayed. The template implements this as follows.

- [storefront\_core]\cartridge\templates\default\checkout\summary\summary.isml

A button with the button-fancy-large class is also given the disabled class and disabled attribute.

```
<button class="button-fancy-large disabled" type="submit" name="submit" value="{Resource.msg('global.submitorder','locale',null)}" disabled>
```

The tag is added immediately after the close tag on the <form action="{URLUtils.https('COSummary-Submit')}" method="post" class="submit-order"> add tags immediately after the form tag.

```
<input type="hidden" name="selected_payment_method" value="{pdict.CurrentForms.billing.paymentMethods.selectedPaymentMethodID.value}"/>
```

The above form tag also includes the submit-order class; this class should be left in and not deleted. The purchase confirmation button will now only be clickable when Paidy Checkout is ready.

```

215 <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
216
217   <input type="hidden" name="selected_payment_method" value="${pdict.CurrentForms.billing.paymentMethods.selectedPaymentMethodID.value}"/>
218
219   <fieldset>
220     <div class="form-row">
221       <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
222         <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
223       </a>
224
225       <button class="button-fancy-large disabled" type="submit" name="submit" value="${Resource.msg('global.submitorder','locale',null)}" disabled>
226         ${Resource.msg('global.submitorder','locale',null)}
227       </button>
228     </div>
229     <input type="hidden" name="${dw.web.CSRFPProtection.getTokenName()}" value="${dw.web.CSRFPProtection.generateToken()}" />
230   </fieldset>
231 </form>

```

### 3-3-3. Modifying resource files

Using Paidy payments requires including URL and timeout information in a configuration file called a resource file.

- [storefront\_core]\cartridge\scripts\util\Resource.ds

Add the below at the end of the urls section of ResourceHelper.getUrls

.....

```

getPaidyStandardPaidyConfig : URLUtils.https("PAIDY_STANDARD-GetPaidyConfig").toString(),
doPaidyStandardCOSummarySubmit: URLUtils.https("COSummary-Submit").toString(),
doPaidyStandardFailOrder : URLUtils.https("PAIDY_STANDARD-FailOrder").toString(),
doPaidyStandardPlaceOrder : URLUtils.https("PAIDY_STANDARD-PlaceOrder").toString(),
getPaidyStandardOrderToken : URLUtils.https("PAIDY_STANDARD-GetOrderToken").toString(),
getPaidySubscriptionConfig : URLUtils.url('PAIDY_SUBSCRIPTION-GetPaidyConfig').toString(),
setPaidySubscriptionToken : URLUtils.url('PAIDY_SUBSCRIPTION-SetPaidyToken').toString()

```

.....

Add the below at the end of the resources section of ResourceHelper.getResources resources

.....

```
PAIDY_ERROR_TIMEOUT : Resource.msg('paidy.payment.error.timeout', 'checkout', null)
```

.....

## 3-4. Modifying cartridges on the merchant

### 3-4-1. Modifying COBillingjs

A routine is added to clear the fields if the payment method is changed from credit card or BML to Paidy.

.....

function resetPaymentForms() {

```
var cart = app.getModel('Cart').get();
```

```
var status = Transaction.wrap(function () {
```

```

  if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('PayPal')) {
    app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();
    app.getForm('billing').object.paymentMethods.bml.clearFormElement();
  }

```



```

cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
    cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
} else if
(app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals(PaymentInstrument.METHOD_CREDIT_CARD)) {
    app.getForm('billing').object.paymentMethods.bml.clearFormElement();

    cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
} else if
(app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals(PaymentInstrument.METHOD_BML)) {
    app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();

    if (!app.getForm('billing').object.paymentMethods.bml.ssn.valid) {
        return false;
    }
}

```

```

cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
} else if
(app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('PAIDY_STANDARD')) {
    app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();
    app.getForm('billing').object.paymentMethods.bml.clearFormElement();
}

```

```

cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
    cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
} else if
(app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('PAIDY_SUBSCRIPTION'))
{
    app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();
    app.getForm('billing').object.paymentMethods.bml.clearFormElement();
}

```

```

cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
    cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
    cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));
}

```

```

        cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
    }
    return true;

});

return status;
}.....

function resetPaymentForms() {
    var cart = app.getModel('Cart').get();

    var status = Transaction.wrap(function () {
        if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('PayPal')) {
            app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();
            app.getForm('billing').object.paymentMethods.bml.clearFormElement();

            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));

            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
        } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals(PaymentInstrument.METHOD_CREDIT_CARD)) {
            app.getForm('billing').object.paymentMethods.bml.clearFormElement();

            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));

            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
        } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals(PaymentInstrument.METHOD_BML)) {
            app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();

            if (!app.getForm('billing').object.paymentMethods.bml.ssn.valid) {
                return false;
            }

            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));

            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
        } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('PAIDY_STANDARD')) {
            app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();
            app.getForm('billing').object.paymentMethods.bml.clearFormElement();

            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_SUBSCRIPTION'));
        } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('PAIDY_SUBSCRIPTION')) {
            app.getForm('billing').object.paymentMethods.creditCard.clearFormElement();
            app.getForm('billing').object.paymentMethods.bml.clearFormElement();

            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_CREDIT_CARD));
            cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD_BML));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal'));
            cart.removePaymentInstruments(cart.getPaymentInstruments('PAIDY_STANDARD'));
        }
    });

    return true;
});

return status;
}

```

### 3-4-2. COPlaceOrder.js modifications

When creating an order in Ajax on Paidy, the below is added to suspend the process before executing payment.

```

.....
function handlePayments(order) {
(Abbreviated)
} else {

var authorizationResult = PaymentProcessor.authorize(order, paymentInstrument);

if (authorizationResult.not_supported || authorizationResult.error) {
return {
error: true,
PlaceOrderError: authorizationResult.PlaceOrderError
};
}
}

return {};
}

function start() {
(Abbreviated)
var handlePaymentsResult = handlePayments(order);

if (handlePaymentsResult.error) {
return Transaction.wrap(function () {
OrderMgr.failOrder(order);

if (handlePaymentsResult.PlaceOrderError != null) {
return {
error : true,
PlaceOrderError : handlePaymentsResult.PlaceOrderError
};
} else {
return {
error : true,
PlaceOrderError : new Status(Status.ERROR,'confirm.error.technical')
};
}

});

} else if (handlePaymentsResult.missingPaymentInfo) {
(Abbreviated)
}

if (request.httpParameterMap.format.stringValue == 'ajax') {
return {

```

```

Order: order,
paidy_order_created: true
    };
}

```

```

var orderPlacementStatus = Order.submit(order);
if (!orderPlacementStatus.error) {
    clearForms();
}
return orderPlacementStatus;
}

```

.....

### 3-4-3. COSummary.js modifications

When creating an order in Ajax on Paidy, the below is added to create a JSON response if the process is suspended before payment is processed.

.....

```

function submit() {
    var placeOrderResult = app.getController('COPlaceOrder').Start();
    if (placeOrderResult.error) {
        start({
PlaceOrderError: placeOrderResult.PlaceOrderError
        });
    } else if (placeOrderResult.order_created) {
        showConfirmation(placeOrderResult.Order);
    } else if (placeOrderResult.paidy_order_created) {
        var paidyCartridge = require('~/package.json').paidyCartridge;
        var currentForms = session.forms;

        responseJson = require(paidyCartridge +
'/cartridge/scripts/paidy/standard/Authorize').GetConfirmationPaidyJSON(currentForms.billing.paymentMet
hods.selectedPaymentMethodID.value, customer, placeOrderResult.Order);
        app.getView({
JSONResponse: responseJson
        }).render('util/responsejson');
    }
}

```

.....

```

function submit() {
  // Calls the COPlaceOrder controller that does the place order action and any payment authorization.
  // COPlaceOrder returns a JSON object with an order_created key and a boolean value if the order was created successfully.
  // If the order creation failed, it returns a JSON object with an error key and a boolean value.
  var placeOrderResult = app.getController('COPlaceOrder').Start();
  if (placeOrderResult.error) {
    start({
      PlaceOrderError: placeOrderResult.PlaceOrderError
    });
  } else if (placeOrderResult.order_created) {
    showConfirmation(placeOrderResult.Order);
  } else if (placeOrderResult.paidy_order_created) {
    var paidyCartridge = require('~/package.json').paidyCartridge;
    var currentForms = session.forms;

    app
      .getView({
        JSONResponse: require(paidyCartridge +
          '/cartridge/scripts/paidy/standard/authorize').getConfirmationPaidyJSON(
            currentForms.billing.paymentMethods.selectedPaymentMethodID.value,
            customer,
            placeOrderResult.Order
          )
      })
      .render('util/responsejson');
  }
}

```

### 3-4-4. Modifying to package.json on the JS controller cartridge at the merchant

Add a reference to the Paidy cartridge to the package.json used on the merchant's JSController cartridge.

```

.....
{
  "hooks": "./cartridge/scripts/hooks.json",
  "paidyCartridge": "int_paidy"
}
.....

```

### 3-4-5. Modifying package.json on the int\_paidy\_controllers cartridge

Change the name of the cartridge called by “controllers” to the name of the JSController cartridge used by the merchant.

```

.....
{
  "paidyCartridge": "int_paidy",
  "hooks": "./cartridge/scripts/hooks.json",
  "controllers": "paidy_storefront_controllers"
}.....

```

## 3-5. Advice

- Notes on use of subscription purchases

If you followed the steps to add a payment method as indicated in section 3-2-3, by default, you will have two separate entries -- standard payments and subscription payments.

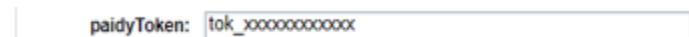


If there are means to detect whether subscription payments have been selected when transitioning to the payment selection screen, CSS or other means can be used to restrict the display to only show Paidy next-month payment (convenience store/bank).

#### - Notes on tokens

Merchant Tools > Clients > Client Management > Client Numbers: All

Tokens can be checked via client data.



If, for some reason, you want to reissue a token, enter a null value in paidyToken and have the consumer purchase another subscription payment.

#### - Order confirmation e-mails for subscription purchases

The int\_paidy 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 cartridge.

## 4. Cartridge deployment testing at merchant

### 4-1. Before beginning a test

#### 4-1-1. Paidy merchant management 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.

API

API version	<input type="text" value="2016-07-01"/>	
Production API key		
Public key	<input type="text" value="pk_live_"/>	<button>Reissue public key</button>
Secret key	<input type="text" value="sk_live_"/>	<button>Reissue secret key</button>
Test API key		
Public key	<input type="text" value="pk_test_"/>	<button>Reissue public key</button>
Secret key	<input type="text" value="sk_test_"/>	<button>Reissue secret key</button>

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

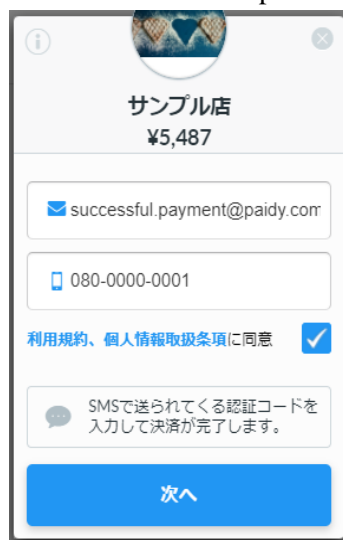
### - API key settings

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 management screen.

Name	Value	Default Value
paidy_api_key	pk_test_	<a href="#">Edit Across Sites</a>
paidy_logo_url		<a href="#">Edit Across Sites</a>
paidy_secret_key	sk_test_	<a href="#">Edit Across Sites</a>
paidy_store_name	サンプル店	<a href="#">Edit Across Sites</a>
paidy_time_out_second	300	<a href="#">Edit Across Sites</a>
paidy_service_name	paidy.api.payment	<a href="#">Edit Across Sites</a>

## 4-2.PaidyCheckout test data

### - E-mail address and phone number



E-mail address and telephone usable for test cases

Test cases	E-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



Enter 8888.

### 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	Android 4.4 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

Use of subscription payments always requires logging in. Once the user succeeds at authentication for a subscription payment, the paidyToken containing that member's data is saved. Subsequent purchases do not display the PaidyCheckout popup. For testing purposes, you may elect to delete the paidyToken from Business Manager on Commerce Cloud in order to display the popup again.

Merchant Tools > Customers > Manage Customers > 00033017 - General

General | Addresses | Customer Groups | Active Data

Profile Attributes

Salutation:

Title:

Company:

Job Title:

First Name:

Last Name:

Name Suffix:

Gender: 0 (undefined) ▼

Birthday:  ...

Email:

Next Birthday:

Second Name:

paidyToken:

##### 1. Success with no token

- When logging in as a member with no token yet issued 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 with no token

- 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

##### 3. Order success with token

- When logging in as an account that has previously succeeded with a Paidy subscription payment and selecting a payment method for a Paidy subscription payment and clicking the Confirm Order button, a product purchase confirmation screen is displayed
- Because a token exists, the PaidyCheckout popup does not appear
- 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

## 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.

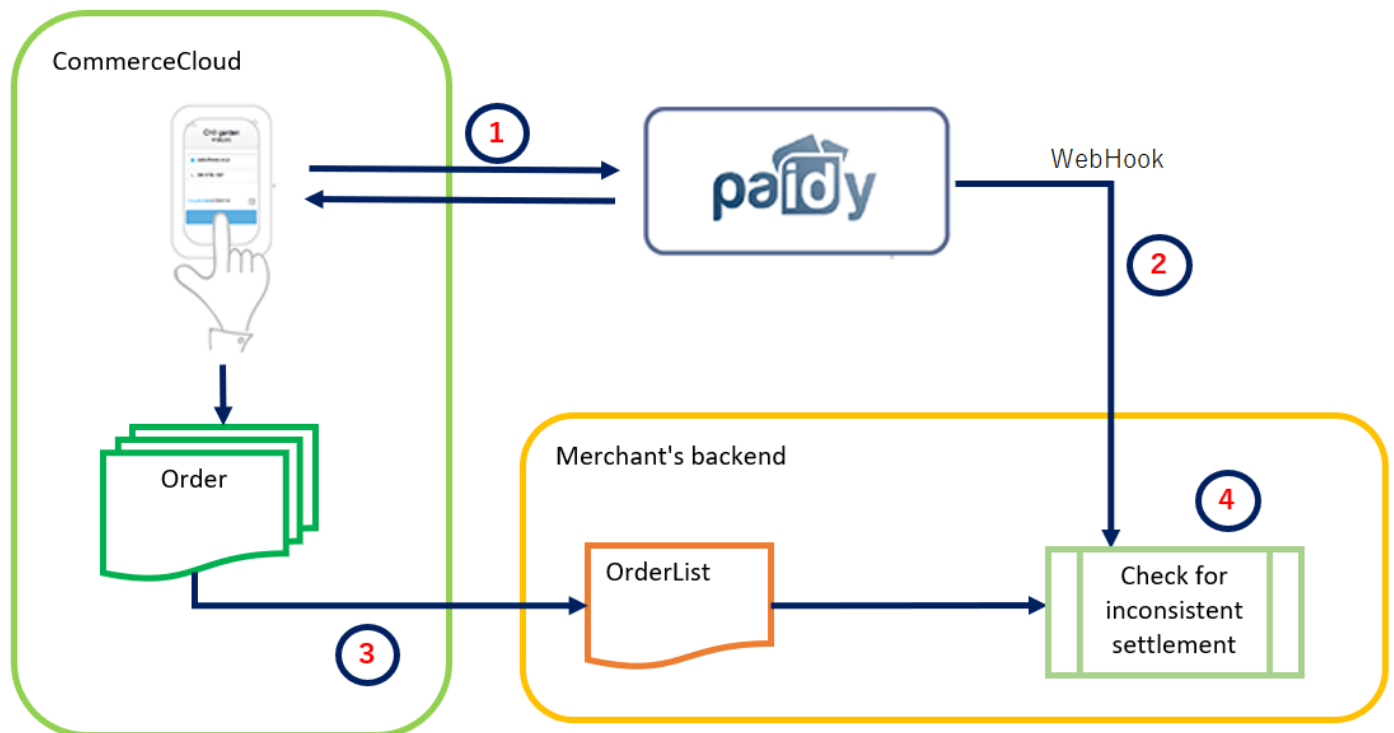
In the event of an inconsistency like the above, there are two problems.

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:	純玉水		
Customer No.:	00033017		
IP Address:	n/a		
Email:	jun.tamamizu@wiredbeans.co.jp		
Phone:	022-380-8680		
Order Status:	Open	Confirmation Status:	Confirmed
Shipping Status:	Not Shipped	Export Status:	Ready for Export

The status of the above three points is changed per below

Order Status: Created→Open

Confirmation Status: Not Confirmed→Confirmed

Export Status:Not Exported→Ready for Export

- Attributes tab

The screenshot shows the 'Attributes' tab for order 'WBSC00005100'. The page title is 'Attributes for Order 'WBSC00005100''. Below the title, there is a note: 'On this page you can edit the attributes of the order. Fields with a red asterisk (\*) are mandatory. Click **Apply** to save changes. Click **Reset** to clear the form.' The form contains several fields:

- deliveryDate:** A text input field with a calendar icon and a placeholder 'MM/dd/yyyy'.
- deliveryTimeSpan:** A text input field.
- paymentCode:** A text input field.
- Channel Type:** A dropdown menu with '- None -' selected.
- Replacement Order Number:** A text input field.
- Cancel Code:** A dropdown menu with '- None -' selected.
- Shipping Status:** A dropdown menu with '0 (NOTSHIPPED)' selected.
- Customer Order Reference:** A text input field with the value 'mizu@wiredbeans.co.jp'.
- Replaced Order No (replacedOrderNo):** A text input field.
- Replace Code:** A dropdown menu with '- None -' selected.
- External Order Status:** A text input field.
- Payment Status:** A dropdown menu with '0 (NOTPAID)' selected.
- paidyToken:** A text input field.
- paidyPaymentId:** A text input field with the value 'pay\_20171124\_001', which is highlighted with a red box.

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)

<a href="#">Salesforce Commerce Cloud SiteGenesis</a>		<b>Salesforce Commerce Cloud SiteGenesis</b> 5 Wall Street Burlington, MA 01803 <a href="#">salesforce.com</a> 電話: +1.800.555.0199				
<p><b>ご注文いただきありがとうございました</b></p> <p>ご注文に関してご質問などがございましたら、お電話 (012-345-XXXX) にてご遠慮なくお問い合わせください          (月曜日～金曜日、午前 8 時～午後 8 時)。</p>						
注文日: 24-11-2017 注文番号: WBSC00005102						
<p><b>支払情報</b></p> <table border="1"> <tr> <td> <b>請求先住所</b>            日本 980-0014            宮城県 仙台市青葉区 本町            玉水 純         </td> <td> <b>支払方法</b>            Paidy翌月払い(コンビニ銀行)            金額: ¥ 2,492         </td> <td> <b>支払金額合計</b>            小計            ¥ 1,808            配送・通常配送 ¥ 500            合計            ¥ 2,308         </td> </tr> </table>				<b>請求先住所</b> 日本 980-0014 宮城県 仙台市青葉区 本町 玉水 純	<b>支払方法</b> Paidy翌月払い(コンビニ銀行) 金額: ¥ 2,492	<b>支払金額合計</b> 小計            ¥ 1,808 配送・通常配送 ¥ 500 合計            ¥ 2,308
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E-mails sent from SendMail button on bottom of General tab on BusinessManager > Orders

<b>SiteGenesis</b>	<b>Demo SiteGenesis</b> 5 Wall Street Burlington, MA 01803 <a href="#">SiteGenesis</a> Phone: +1.888.553.9216								
<p><b>Order Confirmation:</b> Order Number: WBSC00005101 - Thank you for your order!</p>									
<p>This email confirms we received your order at <a href="#">SiteGenesis</a>. 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 <a href="#">SiteGenesis</a></p> <p><b>Thank you for shopping with us!</b></p> <p>Please print and save a copy for reference.</p> <p>Please review the order below and verify that everything is correct.</p> <p><b>PLEASE NOTE:</b> 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 <b>+1.888.553.9216</b></p>									
<p>SHIPMENT 1</p> <table border="1"> <thead> <tr> <th>PRODUCT DETAILS</th> <th>QTY.</th> <th>TOTAL</th> <th>SHIPPING DETAILS</th> </tr> </thead> <tbody> <tr> <td> <a href="#">Samsung Series 6 22" LCD High Definition Television</a>            Item Number: samsung-ln22a650            全品セール中         </td> <td>1</td> <td>           ¥ 66,318            ¥ - 33,159         </td> <td>           純 玉水            本町            仙台市青葉区、宮城県 980-0014            通常配送 - ¥ 500         </td> </tr> </tbody> </table>		PRODUCT DETAILS	QTY.	TOTAL	SHIPPING DETAILS	<a href="#">Samsung Series 6 22" LCD High Definition Television</a> Item Number: samsung-ln22a650 全品セール中	1	¥ 66,318 ¥ - 33,159	純 玉水 本町 仙台市青葉区、宮城県 980-0014 通常配送 - ¥ 500
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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 interface. At the top, there's a header with the Paidy logo, user information (Wired Beans, Inc. jun.tamamizu@wiredbeans.co.jp), and a Logout button. A notification bar at the top center says "全画面表示を終了するには F11 を押します". The left sidebar contains navigation icons for home, Payment management (selected), Report, Configuration, Search, and another Report/Configuration section. The main content area is titled "Payment details" and shows transaction information:

- status: AUTHORIZED
- Transaction ID: 00000916
- Authorized amount: ¥ 10,436 (Order amount: tax: delivery:)
- Capture amount: ¥ 0 (Order Amount: Tax: Delivery: Refund:)
- date: 2018-01-04 18: 55: 09
- Capture deadline: 2018-02-03 18: 54: 09
- Store name: Wired Beans Inc. (PaidyDemoStore)
- Settlement ID: pay\_Wk35wV8AAFWAoIJm TEST

Below this is the "Customer information" section with a table:

Name	Phonetic	mail address	Street address
Tato 2 Taro 2		successful.payment@paidy.com	Address 2 Address 1 Sapporo City Hokkaido 980 - 1111

At the bottom, there's an "Order contents" section with two buttons: "Close without capture" (highlighted with a red box) and "capture".

### 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 - "production API key" and "old version API access key"

Webhook is not set up

Webhook URL

Currently configured Webhook URL

URLを指定してください

Configuration

Webhooks - "Test API Key"

Setting for test Webhook (\* If you turn it off, the currently set Webhook URL will be deleted)

Test Webhook URL

Currently set test webhook URL

URLを指定してください

update

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)

7. Revision history

Version	Date	Revisions
17.10.0	2017/10/13	First edition



18.01.0	2018/01/09	<ul style="list-style-type: none"> <li>- Revised steps to account for developing cartridges with JSController and use on both Pipeline sites and JSController sites</li> <li>- Revisions pursuant to deprecated Webhook on Commerce Cloud</li> <li>Added 5. Operational examples</li> </ul>
19.01.0	2019/10/25	<ul style="list-style-type: none"> <li>-Correct meta information file and update usage procedure.</li> <li>-The function “ServiceRegistry” used in JScontroller is abolished and “LocalServiceRegistry” is used.</li> <li>-Implement "getResponseLogMessage" in the service process called by JScontroller.</li> <li>-All HTTPClient calls now support service usage.</li> <li>-Add DocComment to each function.</li> </ul>
20.1.0	2020/01/15	<p>3-2-2. Importing metadata</p> <ul style="list-style-type: none"> <li>-Modify 「meta_data_19.1.0.zip」 to 「meta_data_20.1.0.zip」</li> </ul>
20.1.0	2020/4/5	<ul style="list-style-type: none"> <li>- The following changes were made due to the file name change</li> </ul> <p>3-3-1. CheckoutJS installation before :</p> <pre>&lt;script src="\${URLUtils.staticURL('js/paidy_normal.js')}"&gt;&lt;/script&gt; &lt;script src="\${URLUtils.staticURL('js/paidy_regular.js')}"&gt;&lt;/script&gt;</pre> <p>after :</p> <pre>&lt;script src="\${URLUtils.staticURL('js/paidy Normal.js')}"&gt;&lt;/script&gt; &lt;script src="\${URLUtils.staticURL('js/paidy Regular.js')}"&gt;&lt;/script&gt;</pre> <ul style="list-style-type: none"> <li>-Add 6. What to do when the service is down</li> <li>- Removed references to the Pipeline site.</li> </ul>

21.1.0	2021/6/21	-Update 1. Cartridges version update -Update 15. Changes: Changed "meta_data_20.1.0.zip" to "meta_data_21.1.0_sg.zip"
22.1.0	2022/6/21	Update 1. Cartridges version update -Update document all page. Change Paidy payments name paidy normal->paidy standard paidy regular->paidy subscription -Update 15. Import meta file name update - Update 33. Delete IE11 from Browser compatibility