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experts

HiPay Integration



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Version 1.0.



hipay **fullservice**
third party processing



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1. General information

The HiPay cartridge, available on the Demandware (DW) LINK Marketplace, allows merchants to offer HiPay Fullservice as a payment solution on their Demandware storefronts.

The cartridge provides several options for entering payment information (credit card or debit card information) during the checkout process:

- through a hosted page, external to the Demandware platform,
- or directly on merchants' Demandware storefronts, through API module calls.

Additionally, a full range of other payment methods are supported.

To enable a Demandware store to use HiPay's payment services, the developer has to install the cartridge and integrate it to the online store following the instructions provided in this document.

For the integration to work properly, merchants should first contact HiPay and fill in an account request on <http://www.hipayfullservice.com/>.

HiPay can provide merchants with both test and production accounts.

The configuration described in this document should be done in both Demandware Business Manager and HiPay's back office.

The integration package contains the following elements:

- a cartridge called "int_hipay" – which is the core integration cartridge;
- a cartridge called "bm_hipay" – which is an extension for the cartridge within Demandware Business Manager;
- a cartridge called "app_hipay" – which is a standard storefront cartridge with HiPay integrated that can be used as an example for the integration and for testing the cartridge;
- this document.

The integration is based on the SiteGenesis demo store provided by Demandware.

The cartridge is compatible with SiteGenesis 2.0 and might require updates and reviews for future versions and releases of SiteGenesis.

2. Component overview

2.1. Functional overview

The HiPay cartridge offers the following functionalities to merchants who want to integrate it in their Demandware environment.

2.1.1. Frontend and Business Manager (BM) functionalities

Business Manager extension for HiPay

The features of the HiPay cartridge can be configured from Business Manager.

On the BM page, merchants can set up the connection to HiPay. To create it, they have to enter their credentials.

Hosted pages

The cartridge supports the hosted-payment-page-approach of entering payment information directly on pages that are hosted and provided by HiPay. During checkout, merchants' customers will therefore be redirected to the HiPay hosted payment pages, usually when they are asked to enter payment details. On these pages, customers can select the payment method of their choice (the offering depends on the merchant's selection). Hosted payment pages can be styled to reflect the merchant's storefront look-and-feel.

iFrame integration

The cartridge enables merchants to use the HiPay payment solution via an iFrame integrated in their own Demandware implementation.

Multiple payment methods

The cartridge allows customers to check out with a wide variety of payment methods.

Direct payment API

The cartridge offers customers the possibility to fill in payment information directly on the websites of merchants, who have to be PCI-DSS compliant. Transactions will be validated through the module called HiPay Fullservice API.

The cartridge provides several options for entering payment information (credit card or debit card information) during the checkout process: through a hosted page, external to the Demandware platform, or directly on the merchants' Demandware storefront, through API module calls.

Additionally, a full range of other payment methods are supported.

2.1.2. Security features and functionalities

3-D Secure

The cartridge supports 3-D Secure rules and activation if the card being used has been enrolled. The 3-D Secure authentication process will redirect merchants' customers to a special page hosted by the issuing card company. The cartridge enables the redirection to that page.

After the authentication process, the cartridge ensures that the result is transferred back to Demandware so that the right message is displayed on the frontend and that the order status is set accordingly.

Merchants can configure specific rules for the use of 3-D Secure. These rules can be edited or deleted in the configuration parameter "rules 3d secure".

Device fingerprint

The cartridge supports device fingerprint information by sourcing the dynamically generated JavaScript from HiPay Fullservice. The JavaScript determines the available information and creates or generates a so-called black box. To use this functionality, custom configurations are needed. These custom configurations are not part of the development as they require individual implementation for each customer.

Signature verification

A signature verification mechanism is available for checking the content of requests and redirections between merchants' sites and HiPay's pages. In the first place, merchants have to set a secret password or phrase in HiPay's back office. The secret password or phrase will be used to generate a unique string that will be hashed with an SHA algorithm.

Automatic cancellation

Pending orders are automatically cancelled if not completed within 30 minutes.

2.1.3. Payment configuration

The cartridge supports the "Authorization" and "Direct capture" modes.

Authorization

Merchants' customers are not charged automatically or directly after the order is placed. Merchants have a defined amount of time to capture the money from their customers. If transactions fail, merchants' customers are redirected to an error page. If transactions are successful, they are redirected to a success page. The authorization can be used within 7 days; otherwise, it expires.

Direct capture

The capture is automatically requested after the authorization. If the capture is not successful, merchants' customers are redirected to an error page. If the capture is successful, they are redirected to a success page.

2.2. Use cases

Short description of the HiPay payment system

HiPay can generally receive payments in two ways:

1. via the HiPay Direct Payment API (PCI-DSS compliance needed).

A result is returned right away. This can only be used for credit cards.

2. via the "redirect model", through which a form containing certain fields is posted to HiPay and the customer is redirected to the HiPay Hosted Payment Page (HPP).

After completing the payment, the customer is redirected to the store's resultURL, which can be configured and contains the result of the payment (successful or declined).

The redirect model can also be implemented in an iFrame solution, where merchants' customers are redirected to the HiPay pages, in a frame that is inserted in the merchants' page. This approach gives customers the feeling that they do not leave the merchants' site.

Compared to the API, the redirect model offers much more payment methods as well as other functionalities.

Payment results should be sent asynchronously to a "notification URL" on the merchant (DW) site. Payments can change status over time (Authorized, Refunded, Cancelled...) on HiPay's side; statuses are automatically updated on Demandware's side by sending these notifications.

In both cases, the "two-phase ordering" approach is used, through which the order is first created but only "placed" after a payment has been authorized (which is now standard practice in SiteGenesis). If the payment cannot be authorized, the order fails.

Use cases

Registered and unregistered customers will be able to follow the standard SiteGenesis flow with the following changes:

HiPay redirect (hosted payment pages, iFrame integration and multiple payment methods) and HiPay Direct Payment API will be the only payment options.

If HiPay redirect is enabled:

- no entering of credit card details on the checkout page is possible when the customer selects this payment method (as this is done on the HiPay hosted payment pages)
- possibility to choose one of the predefined payment methods on the checkout page with further redirection to HiPay hosted payment pages, if Directory Lookup is enabled and the customer has selected HiPay's payment method
- a redirect to the HiPay hosted payment pages after clicking the "SUBMIT ORDER" button on the Order Confirmation page
- a return to the DW Order Summary page after successful payment authorization
- a return to the DW Order Confirmation page, if the customer cancelled the payment on the HiPay hosted payment pages
- a return to the DW Order Confirmation page with an error message displayed, if the payment was refused

If HiPay API payments are enabled:

- credit card details are entered and stored in merchants' DW store;
- for the other payment methods, merchants can still redirect customers to the HiPay hosted payment pages, but can disable credit cards via the configuration of their skin

2.3. Limitations and constraints

- Merchants need a configured HiPay account.
- Merchants can style the hosted pages to match the look-and-feel of their store.

The following features are out of scope:

- Cancel support;
- Refund support,
- One-click payment (credit card only).

2.4. Compatibility

The HiPay integration cartridge is compatible with the latest Demandware version, currently 16.1.

2.5. Payment data privacy

If only the redirect method is used, all payment data are entered on the HiPay hosted pages by the customer and no credit card data will be stored in Demandware (except the brand of the card being used).

Examples:

HiPay Product Name: hosted

HiPay Payment Product List: bcmc,cb,maestro,mastercard,visa,american-express

HiPay Payment Category List: credit-card,debit-card

HiPay Product Name: dexia-directnet

HiPay Payment Product List: dexia-directnet

HiPay Payment Category List: realtime-banking

3. Implementation guide

3.1. Integration efforts

The following steps are needed to complete the integration:

- Install the cartridges.
- Change and import "site-template.zip" (system objects).
- Make the required code changes.
- Configure your merchant's HiPay account in HiPay's back office.
- Configure HiPay's parameters in Demandware.
- Test.

3.2. Setup

3.2.1. Installation

Install the "int_hipay", "bm_hipay" and "app_hipay" cartridges from the distributive zip-archive in a standard way using Demandware UX-studio.

3.2.2. Metadata import

The "site-template.zip" archive is in the installation package, which contains metadata files. Please review the archive, make the necessary modifications and import it through **BM Administration > Site Development > Site Import & Export** section.

The only required modification is to rename the root folder of the archive to the ID of your site.

Before importing the "site-template.zip", check and save cartridge paths of your site and Business Manager as they will be modified. That way, you will be able to configure them manually if something goes wrong. Also, check the fields which will be updated after importing the "site-template.zip", and make sure that there won't be any conflict with the existing fields.

The following configuration items will be added after importing the "site-template.zip" archive:

- app_hipay - cartridge for HiPay templates and pipelines that were overridden from the standard SiteGenesis files. All of these should be revised and the relevant parts copied to the cartridge that you integrate into. For each custom section, a start comment "`<!-- HIPAY INTEGRATION ----- BEGIN -->`" and end comment "`<!-- HIPAY INTEGRATION ----- END -->`" have been added.

- The following items have been added for the checkout section:

- 1) billing.isml – code for device fingerprint
- 2) paymentmethod.isml – new templates for HiPay's payment methods
- 3) billing.js – updated for splitting the AmericanExpress cardholder's name to First and Last names. The CVV for Bancontact / Mister Cash cards has been removed.

- For the summary section:

summary.isml – updated code for error message

- For Components:

1) devicefingerprint.isml - code for device fingerprint from HiPay API

- **app_storefront_richUI** - default DW cartridge
- **app_storefront_core** - default DW cartridge
- **int_hipay** - HiPay Integration cartridge
- **test_hipay** - Cartridge containing test pipelines
- **sites** - all the latest configurations for BM

3.3. Configuration

- Cartridge path:

app_hipay:app_storefront_richUI:app_storefront_core:int_hipay:test_hipay

- Go to BM **Administration > Site Development > Site Import & Export**

and import site_template (make a zip file)

- Default site preferences:

Go to **Merchant Tools > Site Preferences > Custom Preferences > Storefront Configurations**:

- **Enable Multi Currency**: set true (this Boolean enables the use of multi-currencies in the storefront) – by default, standard HiPay's accounts are in EUR. You can contact HiPay to configure the payment methods in your preferred currency.

- Custom site preferences (HiPay Settings):

Go to **Merchant Tools > Site Preferences > Custom Preferences > HiPay Settings**:

- **HiPay Operation Mode** - defines which operation payment mode to use – these are HOSTED/IFRAME/API. When selecting the API mode, the HIPAY_HOSTED payment method will be hidden from the checkout page. If HOSTED or IFRAME is selected, all API payment methods are hidden from the checkout page.
- **Enable Tokenization Test Mode** - Test Mode: if enabled, the module will use the HiPay Fullservice test platform
- **3-D Secure** - Allows the activation of 3-D Secure if the card has been enrolled
- **HiPay API Signature Passphrase** - API Signature passphrase configured in HiPay's back office, used to verify the requests made to DW
- **Payment Action** - Please refer to *HiPay TPP – Payment Gateway API* documentation, chapter 3.1 *Request a New Order (Order Parameters – operation)*

- **iFrame Height** - If iFrame operating mode is chosen, you can select your iFrame height to fit with your CSS
- **iFrame Width** - If iFrame operating mode is chosen, you can select your iFrame width to fit with your CSS
- **HiPay CSS content** - HiPay's content with custom CSS to style the Hosted/iFrame pages. The content is displayed directly on the hosted page and any CSS should be wrapped with `<style> </style>` tags.
- **Display card selector** - Enables/disables the payment method selector on iFrame and hosted pages
- **Available payment products** - List of payment products separated by a comma (",") (e.g.: visa,mastercard,americanexpress)

- Service configuration:

Go to **Administration > Operations > Services > Credentials**.

User ID and password from HiPay's dashboard integration can be used.

- URL: <https://stage-secure-gateway.hipay-tpp.com>
- User: enter username (e.g.: *****.api.hipay-tpp.com)
- Password: enter your password

- HiPay's payment methods can be enabled/disabled from the **Payment methods** section. There are two methods – **HiPay Hosted** and **HiPay**, for the hosted solution and the integrated API respectively.

- HiPay's predefined log category

Go to **Administration > Operations > Custom Log Settings**.

HiPay's log category is called "HIPAY". It can be added or removed from the **Info** and **Debug** configuration.

Administration / Operations / Custom Log Settings Save

On this page, you can configure the writing of custom code log messages. System log messages are not configurable. The changes you make will become active only when you click on the "Save" button.

Custom Log Filters

Active	Log Category	Log Level	
	<input type="text" value="Enter a log category..."/>	WARN	<input type="button" value="Add"/>
	root	DEBUG	
<input checked="" type="checkbox"/>	HiPAY	DEBUG	<input type="button" value="Remove"/>

Custom Log Targets

Email Messages with log level FATAL can be sent to email recipients.

Log Files Select which log levels should be written to files:

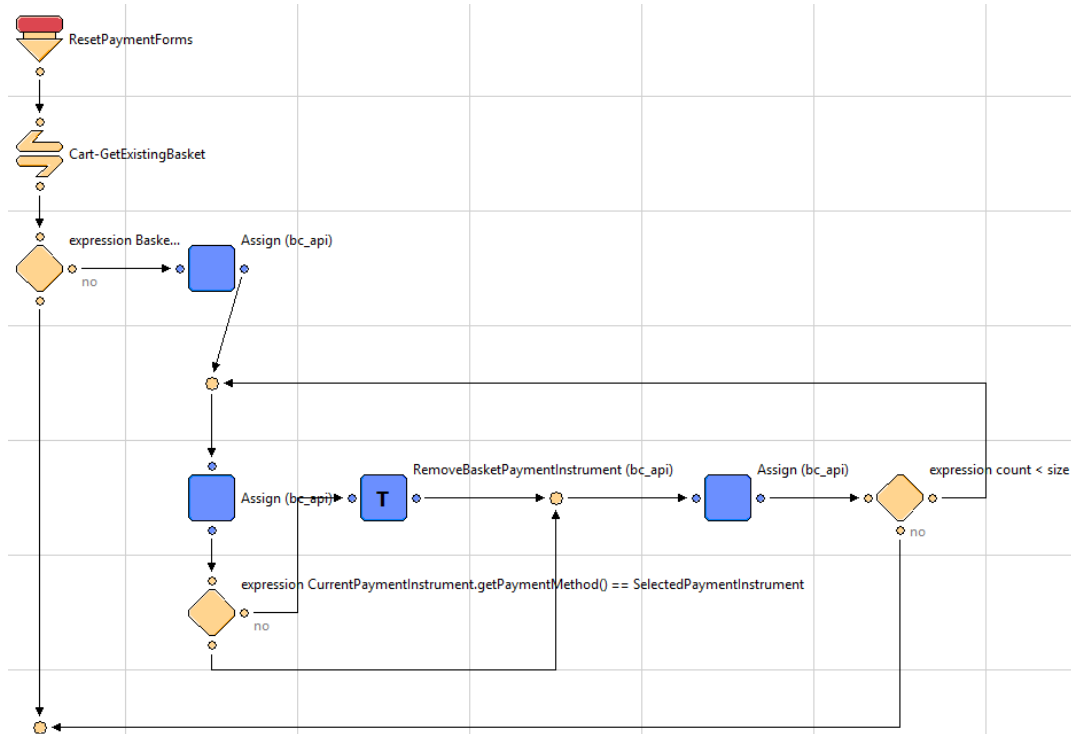
☒ FATAL
☒ ERROR
☒ WARN
☒ INFO
☒ DEBUG

Log Center Messages that pass the filters are sent to the log search application.

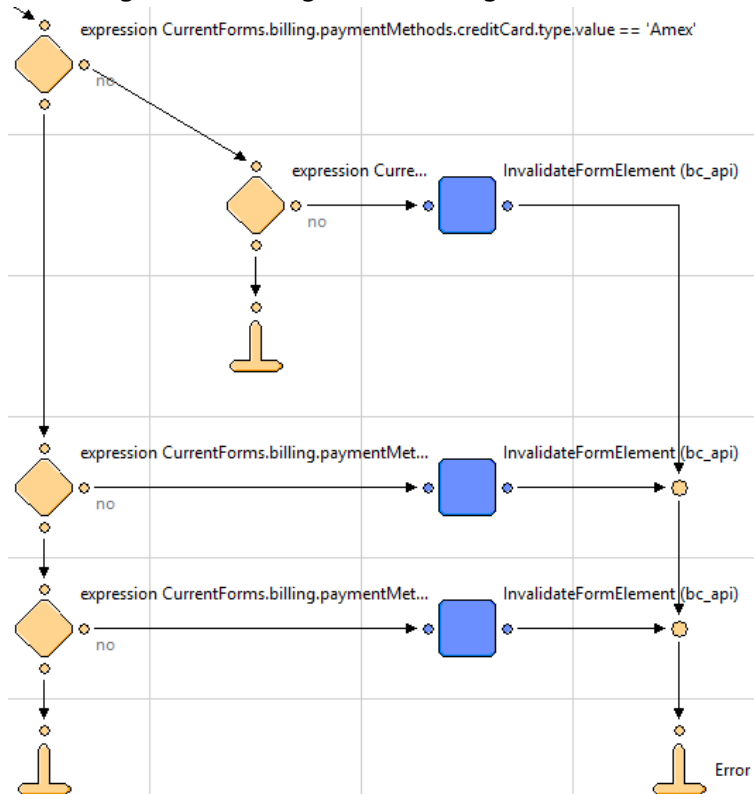
Request Log Messages that pass the filters can be viewed with the Request Log viewer in the Storefront Toolkit on Instances other than Development and Production.

3.4. Custom Code

There is a change in COBilling-ResetPaymentForms due to the fact that multiple HiPay's payment methods have been added. This change removes the existing payment instruments, if any, and applies only the selected one. The COBilling pipeline was not moved to app_hipay as it would add unnecessary complexity in moving one of the core Demandware pipelines.



To split the cardholder's name for Amex cards to First name and Last name, the validation logic was changed in COBilling-ValidateBilling.



3.5. External interfaces

None.

3.6. Testing

Sample testing scenarios:

- All test scenarios involve successful and declined payments.
- Test scenarios should be done with every available payment method.
- The used currency should be EUR, USD only has credit cards enabled.
- If for a payment method on a hosted page there is an emulation page, all options (e.g.: cancel, exception, decline) should be used to test how the system will behave.
- When making a payment, a Demandware Order object changes its status as follows:
 - CREATED – the iFrame or Hosted page has been displayed – the Basket has been cleared – the order may remain in this status if the process did not complete properly (bug) or if the customer leaves the iFrame or Hosted page and does not complete the payment.
 - NEW – the iFrame or Hosted page has been closed with an accepted payment – the Order changed its status
 - OPEN – the Order has been viewed in DW Business Manager after being in status NEW
 - FAILED – all cases of cancelled and declined payments

3.6.1. Test - HiPay Hosted Page

- Go to **Merchant Tools > Site Preferences > Custom Preferences > HiPay Settings**.
- For HiPay Operation Mode, select hosted (Hosted Page) and click on "Apply".
- Go to Storefront and go through the checkout to place an order.
- Enter shipping information and proceed.
- Enter billing information and for payment method, select "HiPay Hosted".
- For the "Place order" step, click on the "PLACE ORDER" button.
- Verify that a HiPay hosted page is opened and enter card details.
- After successful payment, customers should be redirected to the Summary page.
- Verify Order summary information.
- Verify Order status in DW Business Manager.
- Verify Order information in HiPay Fullservice account.

3.6.2. Test - HiPay iFrame with 3-D Secure

- Go to **Merchant Tools > Site Preferences > Custom Preferences > HiPay Settings**.
- For HiPay Operation Mode, select hosted (Hosted Page).
- For 3-D Secure, select "1 (3-D Secure authentication if available)" and click on "Apply".
- Go to Storefront and place an order.

- Enter shipping information and proceed.
- Enter billing information and for "Payment method", select "HiPay Hosted".
- For the "Place Order" step, click on the "PLACE ORDER" button.
- Verify that HiPay iFrame is opened and enter 3-D Secure card details.
- Verify that the customer is redirected to the card vendor's site.
- Enter the 3-D Secure password.
- Check that identification is successful and click on "Back to Payment".
- After successful payment, customers should be redirected to the Summary page.
- Verify the Order summary information.
- Verify the Order status in DW Business Manager – in the Order screen, open the Payment tab to verify payment information.
- Verify the Order information in the HiPay Fullservice account.

3.6.3. Test - HiPay API integration

- Go to **Merchant Tools > Site Preferences > Custom Preferences > HiPay Settings**.
- For "HiPay Operation Mode", select api (API).
- Go to Storefront and place an order.
- Enter shipping information and proceed.
- Enter billing information and for "Payment method", select iDEAL.
- Select the desired issuing bank.
- For the "Place order" step, click on the "PLACE ORDER" button.
- Verify that you are redirected to the appropriate iDEAL vendor's site.
- Make the payment.
- After successful payment, customers should be redirected to the Summary page.
- Verify the Order summary information.
- Verify the Order status in DW Business Manager – in the Order screen, open the Payment tab to verify payment information.
- Verify the Order information in the HiPay Fullservice account.

4. Operations and maintenance

4.1. Data storage

4.1.1. Orders

HiPay Fullservice sends notifications for each event that occurred. In order to handle all notifications, notes are added to the order. There should be 1 event for each notification.

[General](#) [Attributes](#) [Payment](#) [Notes](#) [History](#)

Notes for Order 'p00006810'

Fields with a red asterisk (*) are mandatory. Click Add to save a new note.

Subject:* [Add](#)

Text:

Select All	User	Time	Note
<input type="checkbox"/>	storefront	7/17/15 9:28:41 am	HiPay Notification - Captured attempt_id : 1 authorization_code : 0000000000 authorized_amount : 80.84 captured_amount : 80.84 currency : EUR date_authorized : 2015-07-17T09:28:34+0000 date_created : 2015-07-17 11:28:20+02 date_updated : 2015-07-17T09:28:35+0000 message : Captured mid : 00001328617 payment_product : ideal refunded_amount : 0.00 state : completed status : 118 transaction_reference : 543717041612
<input type="checkbox"/>	storefront	7/17/15 9:28:35 am	HiPay Notification - Authorized attempt_id : 1 authorization_code : 0000000000 authorized_amount : 80.84 captured_amount : 0.00 currency : EUR date_authorized : 2015-07-17T09:28:34+0000 date_created : 2015-07-17 11:28:20+02 date_updated : 2015-07-17T09:28:34+0000 message : Authorized mid : 00001328617 payment_product : ideal refunded_amount : 0.00 state : completed status : 116 transaction_reference : 543717041612

4.1.2. ClearHungOrders job

When using a HiPay hosted page or iFrame, actual payment can be skipped if the customer closes the browser, for instance. In such a situation, orders are left in the "Created" state and no further action is performed. In order to handle these orders, a ClearHungOrders job has been created and can be configured to move the order to the "Failed" state every 30 minutes, for example.

ClearHungOrders - General

Fields with a red asterisk (*) are mandatory. Click **Apply** to save the details. Click **Reset** to discard

Name:*	<input type="text" value="ClearHungOrders"/>	<input checked="" type="checkbox"/> Enabled
Description	<input type="text" value="Clear all orders which are hung status CREATED"/>	
Execution Scope:*	<input type="text" value="Sites"/>	
<input checked="" type="radio"/> Pipeline		
Pipeline:*	<input type="text" value="HiPayProcess"/>	
Start Node:*	<input type="text" value="ClearHungOrders"/>	
All date and time inputs in instance time zone Eastern Standard Time		

4.2. Availability

The HiPay integration cartridges use the following services:

Order capture

p00012602

Status:	OPEN	
Payment Status:	PAID	
Transaction HiPay State:	completed	Order: p00012602
Capture Amount:	0.00	Date: 2/5/16
Capture Amount Requested:	0.00	
Order Total:	189.83	

Capture amount:	<input type="text" value="189.83"/>	<input type="button" value="Capture"/>
-----------------	-------------------------------------	--

Bill To:	John Doe
	Main Street
	UNITED STATES
Phone:	
Email:	

Shipment 1		
Product Details	Qty	Total
Cotton Straight Shorts		
Item Number: 883360544304	1	\$145.00
Color : Beige		
Size : 28		

Services	Profiles	Credentials
----------	----------	-------------

Services

Select All	Name	Type	Profile	Credentials	Status
<input type="checkbox"/>	hipay.rest.createtoken	HTTP	hipay.prof	hipay.token.cred	Live
<input type="checkbox"/>	hipay.rest.hpayment	HTTP	hipay.prof	hipay.hosted.cred	Live
<input type="checkbox"/>	hipay.rest.maintenance	HTTP	hipay.prof	hipay.maintenance.cred	Live
<input type="checkbox"/>	hipay.rest.order	HTTP	hipay.prof	hipay.order.cred	Live

All of them use the following Profile configuration:

hipay.prof

Fields with a red asterisk (*) are mandatory. Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

This profile is used by 4.00 services.

Name: *	<input type="text" value="hipay.prof"/>
Timeout (ms):	<input type="text" value="5,000"/>
Enable Circuit Breaker:	<input checked="" type="checkbox"/>
Max Circuit Breaker Calls:	<input type="text" value="10"/>
Circuit Breaker Interval (ms):	<input type="text" value="5,000"/>
Enable Rate Limit:	<input checked="" type="checkbox"/>
Max Rate Limit Calls:	<input type="text" value="10"/>
Rate Limit Interval (ms):	<input type="text" value="10,000"/>

The circuit breaker suspends platform calls to a web service if a certain number of calls fail within a specified time interval. It can be easily changed for different merchants and a separate profile can be added for each service.

4.3. Support

In case of problems with the integration, missing features, etc., please contact HiPay's Business IT Services at <http://help.hipay.com> or your HiPay's account manager.

5. User Guide

5.1. Roles and responsibilities

The store administrator should make sure that the HiPay Merchant account configuration is correct in HiPay's back office and should check on a regular basis the receipt of HiPay's notifications.

Also, payments received should be checked to see if they contain the expected data (currencyCode, amount, shopperEmail, etc.).


5.2. Business Manager

5.2.1. HiPay business module



HiPay Integration business modules have been created and are used to capture amounts for orders already authorized.

Configuration

1. Go to **Administration > Organization > Roles & Permissions > Administrator - Business Manager Modules**.
2. Select your site context and click on **Apply**.

Select Context:	SiteGenesis ▼	Apply
Business Manager	Organization	Module Description
	SiteGenesis	
	Products and Catalogs	

3. Tick off the **HiPay Integration** module and click on **Update**.

	HiPay Integration	<input type="checkbox"/>
	Order capture	Click here to capture already authenticated orders <input checked="" type="checkbox"/>
		Update

4. Go to your site: the HiPay module should be displayed.



[Ordering](#)

Manage the orders of this site.



[Analytics](#)

Browse reports of this site.



[Site URLs](#)

Manage site aliases and URL mapping rules. Set preferences for this site.



[Site Preferences](#)



[HiPay Integration](#)

Click here to see HiPay functionalities

Usage

1. Go to **HiPay Integration > Order capture**.

Browse HiPay authorized orders

This Business Manager module gives you the possibility to capture an order which has been authorized with HiPay

Search order

Order ID:

2. Enter a given order ID and click on **Load**.

Order capture

p00012602

Status: OPEN
Payment Status: PAID
Transaction HiPay State: completed Order: p00012602
Capture Amount: 0.00 Date: 2/5/16
Capture Amount Requested: 0.00
Order Total: 189.83

Capture amount:

Bill To: John Doe
Main Street
UNITED STATES
Phone:
Email:

Shipment 1

Product Details	Qty	Total
Cotton Straight Shorts Item Number: 883360544304 Color : Beige Size : 28	1	\$145.00

3. Partial or full captures can be requested. If the requested amount is captured, a HiPay notification will be sent to Demandware and the **Captured amount** will be updated too.

5.2.2. HiPay Site Preferences

Go to **Merchant Tools > Site Preferences > Custom Preferences > HiPay Settings**.

Instance Type: Sandbox/Development Apply	
Preference Name	Value
HiPay Operation Mode:	hosted (Hosted page) (default) Defines which operation payment mode to be used
Enable Tokenization Test Mode:	<input checked="" type="checkbox"/> Test Mode: If enabled, the module will use the HiPay TPP test platform
3-D Secure:	1 (3-D Secure authentication if available) Allows the activation of 3-D Secure if available on the card being used
HiPay API Signature Passphrase: Confirm HiPay API Signature Passphrase: API Signature passphrase configured in HiPay's back office. Used to verify the requests made to DW.
Payment Action:	Authorization (Authorization Only) Please refer to HiPayTPP-GatewayAPI documentation, chapter 3.1 Request a New Order (Order Parameters – operation)
Display card selector:	<input checked="" type="checkbox"/> Enables/disables the payment method selector on iFrame and Hosted page
3-D Secure Threshold Rule:	1,500 (Integer) If the order total is higher than the specified sum, then 3-D Secure will be forced. If 0 is specified, the rule is disabled.
iFrame Height:	800 (Integer) If iFrame operating mode is chosen, you can select your iFrame height to fit with your CSS
iFrame Width:	600 (Integer) If iFrame operating mode is chosen, you can select your iFrame width to fit with your CSS
Hung Order Cleanup Time:	 (Integer) Number of minutes after which all orders hung in status "CREATED" and left unprocessed for payment are cleared.
HiPay CSS content:	<pre>.row { border : 1px solid green; }</pre>

Please find hereafter the options for the HiPay configuration.

Property name	Possible values	Default value	Description
HiPay Operation Mode	hosted (<i>Hosted page</i>) iframe (iFrame) api (API)	hosted (<i>Hosted page</i>)	Defines which operation payment mode to use
Enable Tokenization Test Mode	true / false	false	Test Mode: If enabled, the module will use the HiPay Fullservice test platform
3-D Secure	0 (<i>Bypass 3-D Secure authentication</i>) 1 (3-D Secure authentication, if available) 2 (3-D Secure authentication mandatory)	0 (<i>Bypass 3-D Secure authentication</i>)	Allows the activation of 3-D Secure if the card has been enrolled
HiPay API Signature Passphrase	String		API Signature passphrase configured in HiPay's back office to verify the requests made to DW
Payment Action	Sale (<i>Authorization + Capture</i>) Authorization (Authorization only)		Please refer to <i>HiPayTPP-GatewayAPI</i> documentation, chapter 3.1 Request a New Order (Order Parameters – operation)
HiPay CSS content	Text	hipaycss	HiPay's content with custom CSS
Display card selector	true / false	false	Enables/disables the payment method selector on iFrame and Hosted pages
Available payment products	String	bcmc, cb, ideal, maestro, mastercard, przelewy24, sofort	List of payment products separated by a comma (",") (e.g.: visa, mastercard, americanexpress)
3-D Secure Threshold Rule	Integer	0	If the total amount of the order is higher than the specified sum, then 3-D Secure will be forced. If 0 is specified, the rule is disabled.
iFrame Height	Integer	750	If the iFrame operating mode is chosen, you can select your iFrame height to fit with your CSS.
iFrame Width	Integer	950	If iFrame operating mode is chosen, you can select your iFrame width to fit with your CSS.
Hung Order Cleanup Time	Integer	30	Number of minutes after which all orders hung in status "CREATED" and left unprocessed for payment are cleared.

5.2.3. Services

Go to **Administration > Operations > Services**.

[Services](#) [Profiles](#) [Credentials](#)

Services

Select All	Name	Type	Profile	Credentials	Status
<input type="checkbox"/>	hipay.rest.createtoken	HTTP	hipay.prof	hipay.token.cred	Live
<input type="checkbox"/>	hipay.rest.hpayment	HTTP	hipay.prof	hipay.hosted.cred	Live
<input type="checkbox"/>	hipay.rest.maintenance	HTTP	hipay.prof	hipay.maintenance.cred	Live
<input type="checkbox"/>	hipay.rest.order	HTTP	hipay.prof	hipay.order.cred	Live

[New](#) [Delete](#)

There are four services implemented. Each one corresponds to a different HiPay service, as follows:

- **hipay.rest.createtoken** – handles credit card tokenization
- **hipay.rest.hpayment** – handles hosted payment calls
- **hipay.rest.maintenance** – handles order updates after being placed
- **hipay.rest.order** – handles order placing

5.2.4. Schedules

A **ClearHungOrder** has been scheduled. It is used to clear all orders, initiated with HiPay's hosted solution and not completed during a configurable time period.

Go to **Administration > Operations > Job Schedules > ClearHungOrders – Details**.

[General](#) [Sites](#) [Resources](#) [Notification](#) [Parameters](#)

ClearHungOrders - General

Fields with a red asterisk (*) are mandatory. Click **Apply** to save the details. Click **Reset** to discard change

Name:*

ClearHungOrders

☒ **Enabled**

Description

Clear all orders which are hung status CREATED

Execution Scope:*

Sites

☒ **Pipeline**

Pipeline:*

HiPayProcess

Start Node:*

ClearHungOrders

5.2.5. Payment processors

Two payment processors have been added for HiPay – **HIPAY_HOSTED** and **HIPAY**.

The HOSTED processor is used for hosted and iFrame integrations only.

The HIPAY processor is used for the HiPay API integration.

They are used for all different types of payment like credit cards, iDEAL, ING Home'Pay, Giropay, Klarna, etc.

Go to **Merchant Tools > Ordering > Payment Processors**.

Payment Processors

The list shows all payment processors currently defined for this site. Click **New** to create a custom payment processor. Use the check boxes and then click **Delete** to delete pay

Select All	Processor ID	Description
<input type="checkbox"/>	HIPAY	HiPay Payment
<input type="checkbox"/>	HIPAY_HOSTED	HiPay Payment Hosted Pages

5.2.6. Payment methods

All possible HiPay payment methods have been added to the BM. In order to work, they should also be activated in HiPay Fullservice.

Go to **Merchant Tools > Ordering > Payment Methods**.

Payment Methods

Payment Methods	
Payment methods are managed here. To create a new payment method, click	
New Sort Order Credit/Debit Cards Import/Export	
ID	Name
HIPAY_DEXIA_DIRECTNET	Belfius Direct Net
HIPAY_GIROPAY	Giropay
HIPAY_HOSTED	Hosted Pages
HIPAY_IDEAL	iDEAL
HIPAY_ING_HOMEPAY	ING HomePay
HIPAY_KLARNA	Klarna
HIPAY_PRZELEWY24	Przelewy24
HIPAY_QIWI_WALLET	QIWI Wallet

5.2.7. Logs

The following logs related to the current HiPay implementation are available:

- service-HIPAY-REST-*service*-blade1-3-appserver-*date*.log – logs HiPay services specific information
- error-blade1-3-appserver-*date*.log – logs Demandware errors
- customerror-blade1-3-appserver-*date*.log – logs Demandware custom errors

All of these can be found in: **Administration > Site Development > Development Setup**.

Select the logs of your choice and enter your BM credentials, if needed.

5.2.8. Notification URL

In the HiPay Fullservice back office, go to **Integration > Notifications**.

In the Notification URL, the following URL should be added:

http://*domain.name*/on/demandware.store/Sites-SiteGenesis-Site/default/HiPayNotification-Notify

This URL will be used to handle all HiPay notifications.

5.2.9. Custom CSS configuration

In order to use a custom CSS for HiPay, a custom site preference should be configured with the desired CSS.

Go to **Merchant Tools > Site Preferences > Custom Preferences** and select "HiPay Settings".

In the "HiPay CSS content" field, enter the CSS that is to be in effect on the payment page and click on "Apply".

After completing this configuration, you should be able to see the applied CSS.

The content of this preference is printed via a pipeline called HiPayResource-Style and its URL (e.g.: http://*domain.name*/on/demandware.store/Sites-*site.name*-Site/default/HiPayResource-Style) is sent when calling the HiPay web service, which in turn adds this CSS in the head section of the iFrame or hosted page so it can take effect.

The CSS used must be plain (@include syntax is not supported) and any <style> tags must be omitted.