



PayDollar PayGate

Integration Guide (For third party shopping cart platform v1.0)

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Revision History

Revision	Date	Revision Description
1.0	August 17, 2009	First issue to include, osCommerce v2.2, ZenCartv1.3.8, and VirtueMart v1.1.3

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Overview

Introduction

PayDollar PayGate is a powerful web-based online payment services platform, which provides secure, multi-channel, multi-lingual and multi-currency payment services. It is used by many renowned companies and organizations in the region.

This technical specification document prescribes the constituent parts of specification for integration of an e-commerce web site with PayDollar e-commerce service, the on-line payment service by AsiaPay (HK) Limited, by subscribed merchants of the service. This document has been created to ensure that all technical specifications contain sufficient information to enable a merchant to design and modify the codes of an existing on-line shopping architecture or software to cater for the payment enabling service.

osCommerce v2.2

Requirement of Integration

Before integrating osCommerce with PayDollar payment page, make sure the following requirements are fulfilled:

1. osCommerce v2.2 RC2 is installed, configured properly and put the PayDollar payment module files under the same directory as in the zip file.
2. You have obtained a PayDollar Merchant account, with merchant profile properly filled.
3. The payment method (e.g. VISA, MasterCard) you are going to select must be supported by PayDollar System. Check payment method details in the "Payment Account Information" of your merchant profile in PayDollar system to make sure appropriate payment method are enabled.

Configuration of administrative tool – Enabling the payment module

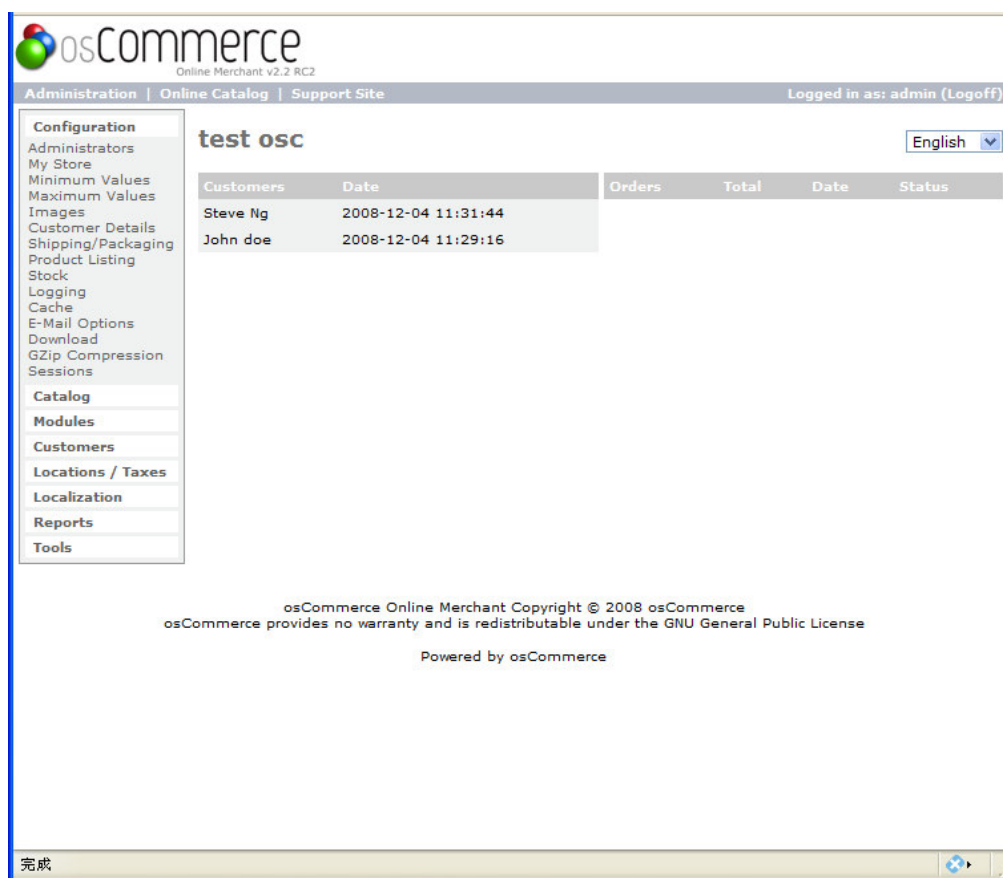
To use the pay by credit card function in osCommerce, configuration has to be done in the administrative tool to enable the pay by credit card payment module.

1. Enter Administration Page

Go to the administration page of osCommerce by entering the following address:

<http://www.yourdomain.com/catalog/admin/index.php>

The following page is displayed:



The screenshot displays the osCommerce administration interface. At the top, the logo for osCommerce Online Merchant v2.2 RC2 is visible. The navigation bar includes links for Administration, Online Catalog, and Support Site, along with a user login status: Logged in as: admin (Logoff). A sidebar on the left contains a menu with categories such as Configuration, Catalog, Modules, Customers, Locations / Taxes, Localization, Reports, and Tools. The main content area shows a table titled "test osc" with a language dropdown set to English. The table has columns for Customers, Date, Orders, Total, Date, and Status. Two rows of customer data are listed: Steve Ng and John doe, both with a date of 2008-12-04 and a time of 11:31:44 and 11:29:16 respectively. At the bottom of the page, there is a copyright notice for osCommerce Online Merchant and a "Powered by osCommerce" logo. The browser's status bar at the bottom left shows the Chinese characters "完成" (Complete).

Customers	Date	Orders	Total	Date	Status
Steve Ng	2008-12-04 11:31:44				
John doe	2008-12-04 11:29:16				

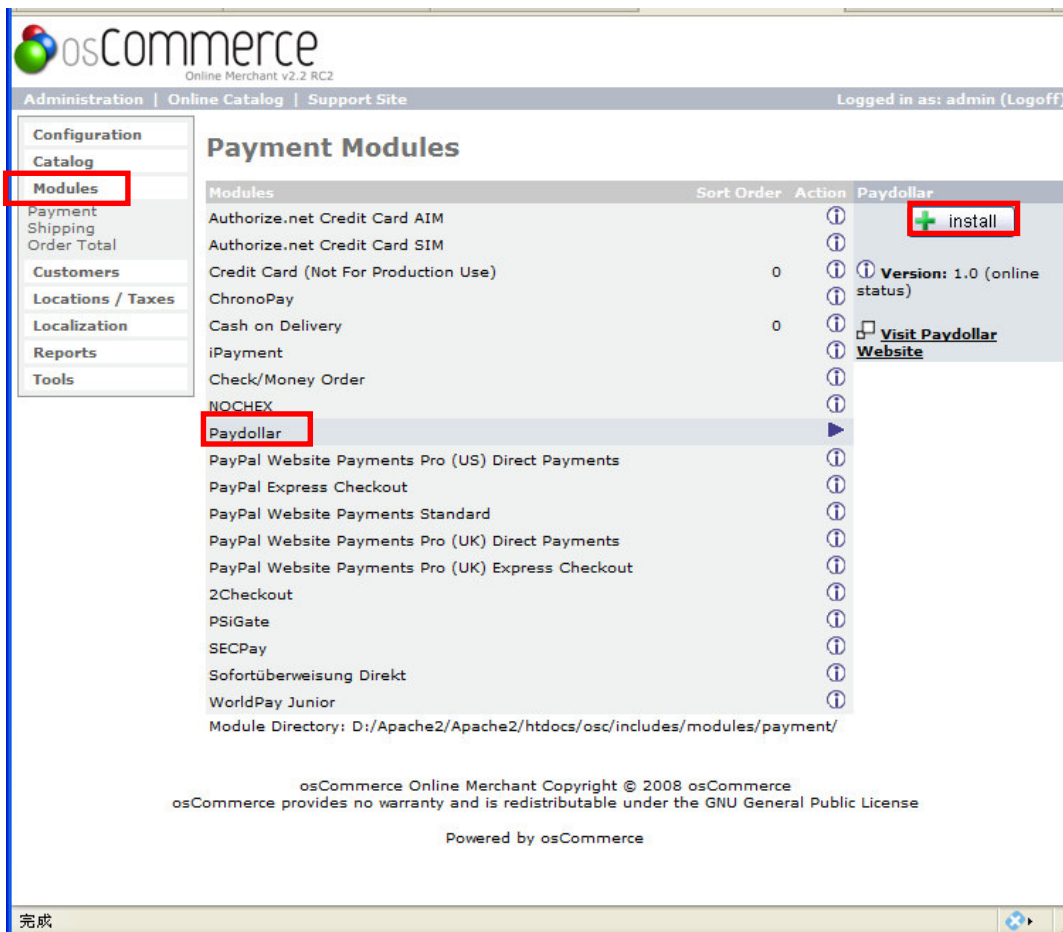
2. Choose Modules option

Click on "Modules" option from the action list to enter the modules page.

3. Choose payment module

On the module page, click “Payment” from the menu on the left of the screen to enter the page for configuration of payment module.

The following page is displayed:



The screenshot displays the osCommerce Administration interface. The top navigation bar includes "Administration | Online Catalog | Support Site" and "Logged in as: admin (Logoff)". The left sidebar menu has "Modules" highlighted. The main content area is titled "Payment Modules" and contains a table of modules. The "Paydollar" module is selected and highlighted. The "install" button is visible next to the "Paydollar" module.

Modules	Sort Order	Action	Paydollar
Authorize.net Credit Card AIM			
Authorize.net Credit Card SIM			
Credit Card (Not For Production Use)	0		Version: 1.0 (online status)
ChronoPay			
Cash on Delivery	0		Visit Paydollar Website
iPayment			
Check/Money Order			
NOCHEX			
Paydollar			
PayPal Website Payments Pro (US) Direct Payments			
PayPal Express Checkout			
PayPal Website Payments Standard			
PayPal Website Payments Pro (UK) Direct Payments			
PayPal Website Payments Pro (UK) Express Checkout			
2Checkout			
PSiGate			
SECPay			
Sofortüberweisung Direkt			
WorldPay Junior			

Module Directory: D:/Apache2/Apache2/htdocs/osc/includes/modules/payment/

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Powered by osCommerce

4. Install Paydollar module

Choose “Paydollar” module. Click the “install” button on the right hand side of the screen to install the Paydollar module.

The Paydollar module has been successfully installed.

Configure Paydollar Module

To connect osCommerce to Paydollar payment page, it is necessary to enable and configure the Paydollar module properties.

1. Enable Paydollar module

Choose “Paydollar” module. Click the “Edit” button on the right hand side of the screen to edit the Paydollar module. Select “True” under “Enable PayDollar Module”.

2. Configure Paydollar module

The screenshot shows the osCommerce Administration interface. The left sidebar contains a navigation menu with categories like Configuration, Catalog, Modules, Customers, Locations / Taxes, Localization, Reports, and Tools. The main content area is titled 'Payment Modules' and displays a table of modules. The 'Paydollar' module is highlighted, and its configuration options are shown on the right side of the screen.

Modules	Sort Order	Action	Paydollar
Authorize.net Credit Card AIM			Enable PayDollar Module Do you want to accept Paydollar payments?
Authorize.net Credit Card SIM			<input checked="" type="radio"/> True <input type="radio"/> False
Credit Card (Not For Production Use)	0		PayDollar ID The merchant id used for the Paydollar service
ChronoPay			<input type="text" value="1"/>
Cash on Delivery	0		Set Order Status Set the status of orders made with this payment module to this value
iPayment			<input type="text" value="default"/>
Check/Money Order			Transaction Currency Choose the currency/currencies you want to accept
NOCHEX			<input checked="" type="radio"/> Only HKD <input type="radio"/> Only USD <input type="radio"/> Only SGD <input type="radio"/> Only CNY <input type="radio"/> Only JPY <input type="radio"/> Only TWD <input type="radio"/> Only AUD <input type="radio"/> Only EUR <input type="radio"/> Only GBP <input type="radio"/> Only CAD
Paydollar			Language Choose the language of payment page
PayPal Website Payments Pro (US) Direct Payments			<input type="radio"/> Traditional Chinese <input checked="" type="radio"/> English <input type="radio"/> Simplified Chinese <input type="radio"/> Korean <input type="radio"/> Japanese
PayPal Express Checkout			Paydollar server Type the server that will
PayPal Website Payments Standard			<input type="text"/>
PayPal Website Payments Pro (UK) Direct Payments			
PayPal Website Payments Pro (UK) Express Checkout			
2Checkout			
PSIGate			
SECPay			
Sofortüberweisung Direkt			
WorldPay Junior			
Module Directory: D:/Apache2/Apache2/htdocs/osc/includes/modules/payment/			

On the right hand side, you can find several property values.

- PayDollar ID: Your merchant Id registered in PayDollar.
- Transaction Currency: The currency used to do payment. Please make sure the selected currency is the same as that registered in PayDollar and the default currency in your osCommerce.
- Language: The language used in the payment page.
- PayDollar Server: The server URL in which the payment will be done.

Definition of Parameters in the Integration Page

[This section is only for reference purpose, since the integration has been done in the module delivered with this document.]

The following are the parameters for integration. PayDollar PayGate is case sensitive. Make sure the typeface is correct. When a transaction is finished, the system will return customer a payment message. Merchant can create static HTML pages to display the message.

Input /Return	Parameters (Required Fields are in Bold typeface) *Case Sensitive	Data Type	Descriptions
Input	orderRef	Text (35)	Merchant's Order Reference Number
	amount	Number	The total amount your want to charge the customer (up to 2 decimal place)
	currCode	Text (3)	The currency of the payment: "344" - HKD "840" - USD "702" - SGD "156" - CNY (RMB) "392" - JPY "901" - TWD "036" - AUD "978" - EUR "826" - GBP "124" - CAD
	lang	Text (1) ("C", "E", "X", "K", "J", "T")	The language of the payment page : "C" - Traditional Chinese "E" - English "X" - Simplified Chinese "K" - Korean "J" - Japanese "T" - Thai
	merchantId	Number	The merchant ID we provide to you
	pMethod	Text ("VISA", "Master", "Diners", "JCB", "AMEX")	The payment card type
	epMonth	Number(2)	Credit card expiry month
	epYear	Number(4)	Credit card expiry year
	cardNo	Text (16)	Credit card number
	securityCode	Text (4)	Credit Card Verification Code - VISA: CVV (3-digit) - MasterCard: CVC (3-digit)

			- American Express: 4DBC (4-digit)
	cardHolder	Text (20)	Credit card holder name
	failUrl	Text (300)	A Web page address you want us to redirect upon the transaction being rejected by us (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	successUrl	Text (300)	A Web page address you want us to redirect upon the transaction being accepted by us (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	errorUrl	Text (300)	A Web page address you want us to redirect when unexpected error occur (e.g. parameter incorrect) (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	payType	Text (1) ("N","H")	The payment type: "N" – Normal Payment (Sales) "H" – Hold Payment (Authorize only)
Optional Parameter for connect to our payment page			
Input	remark	Text	An additional remark field that will appear in the confirmation email and transaction detail report to help you to refer the order

Datafeed

Data feed page is used to receive a real-time result of payment from PayDollar. By comparing the payment information of order in your own database with the information from PayDollar in data feed page (by checking the Merchant's Order Reference Number – "Ref" from PayDollar data feed), you can verify whether the order exist in your own database. By further checking of success code from PayDollar and comparing the amount and currency of the payment, the payment status of order in your own database can be determined and updated.

Requirement to Data Feed Page

To use data feed function, merchant have to create a data feed page and inform PayDollar about the location of your page (e.g. <http://www.yourdomain.com/catalog/datafeed.php>). Merchant has to wait until PayDollar update the system in order to use this function.

The data feed page must meet the following requirement:

- Print '**OK**' in HTML when data captured (ACK message)
- **Make Sure to Print 'OK' for acknowledge to our system first then do the rest of your system process, if something wrong with your system process (i.e. download photo, ring tone problem) you can send a void request to our system, for more details please refer to our API guide and contact our technical staff.**

* Since the system will read from the data feed page for the word 'OK' to determine whether the (data feed) message is delivered or not, if this word does not return successfully, the system will assume the data feed is lost.

Definition of Parameters in the Data Feed Page

If merchant's web site supports data feed, the system can return payment message as shown in the following table.

Parameters	Data Type	Descriptions
Data Feed Output		
src	Number	Return bank host status code
prc	Number	Return bank host status code
Ord	Number (40)	Bank Reference – Order id
Holder	Text	The Holder Name of the Payment Account
successcode	Number	0- succeeded, 1- Failure, Others - error
Ref	Text	Merchant's Order Reference Number
PayRef	Number	Payment Reference Number
Amt	Number (15,5)	Transaction Amount
Cur	Number (3)	Transaction Currency i.e. "344" - HKD "840" – USD "702" – SGD "156" – CNY (RMB) "392" – JPY "901" – TWD
remark	Text (200)	A remark field for you to store additional data that will not show on the transaction web page
AuthId	Text	Approval Code

Configuration of administrative tool – Adding new orders status

Three new orders status, which are not included in osCommerce, are used in data feed page. Configuration has to be done in the administrative tool to add orders status in osCommerce. Follow the procedures below to add the orders status:

“Payment Successful” – Transaction is accepted

“Payment Failed” – Transaction is rejected

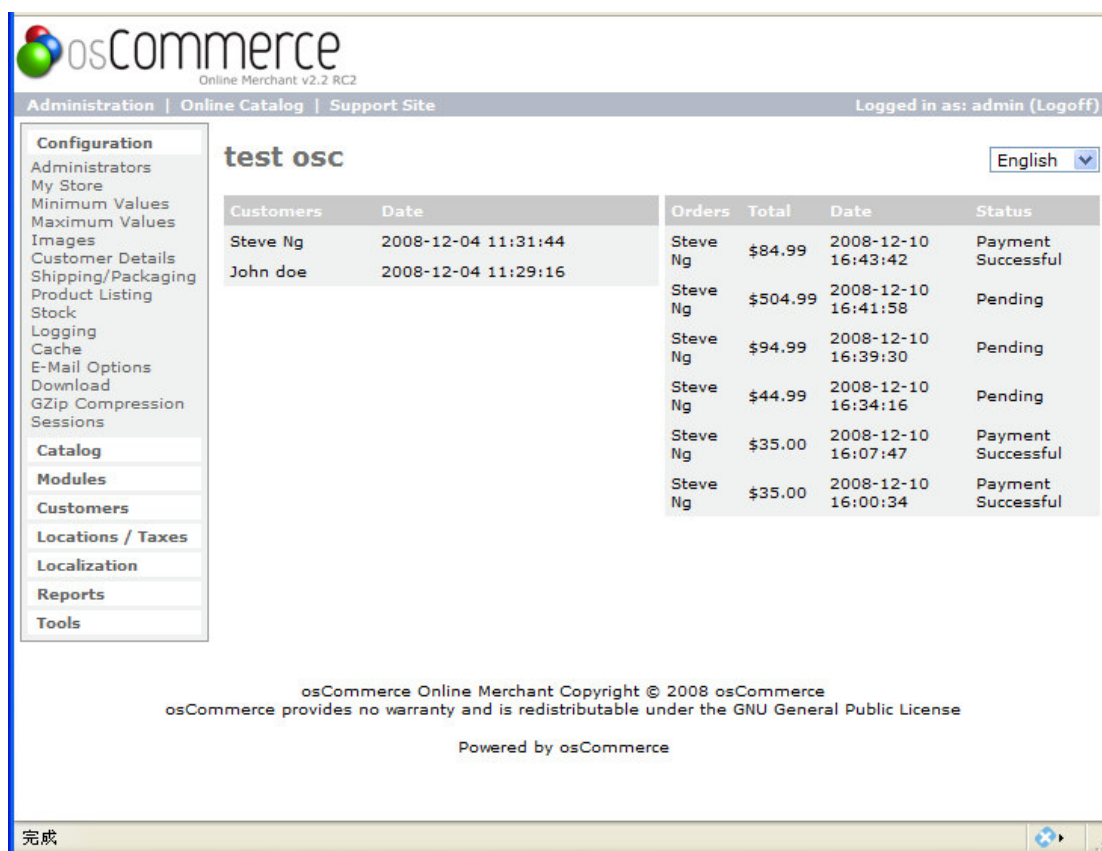
“Amount or Currency not match” – Payment amount or currency is not matched

1. Enter Administration Page

Go to the administration page of osCommerce by entering the following address:

<http://www.yourdomain.com/catalog/admin/index.php>

The following page is displayed:



The screenshot displays the osCommerce administration interface. The top navigation bar includes "Administration | Online Catalog | Support Site" and "Logged in as: admin (Logoff)". The main content area is titled "test osc" and features a table of orders. The table has columns for Customers, Date, Orders, Total, Date, and Status. The data rows show orders for Steve Ng and John doe with various statuses like Payment Successful, Pending, and Payment Successful.

Customers	Date	Orders	Total	Date	Status
Steve Ng	2008-12-04 11:31:44	Steve Ng	\$84.99	2008-12-10 16:43:42	Payment Successful
John doe	2008-12-04 11:29:16	Steve Ng	\$504.99	2008-12-10 16:41:58	Pending
		Steve Ng	\$94.99	2008-12-10 16:39:30	Pending
		Steve Ng	\$44.99	2008-12-10 16:34:16	Pending
		Steve Ng	\$35.00	2008-12-10 16:07:47	Payment Successful
		Steve Ng	\$35.00	2008-12-10 16:00:34	Payment Successful

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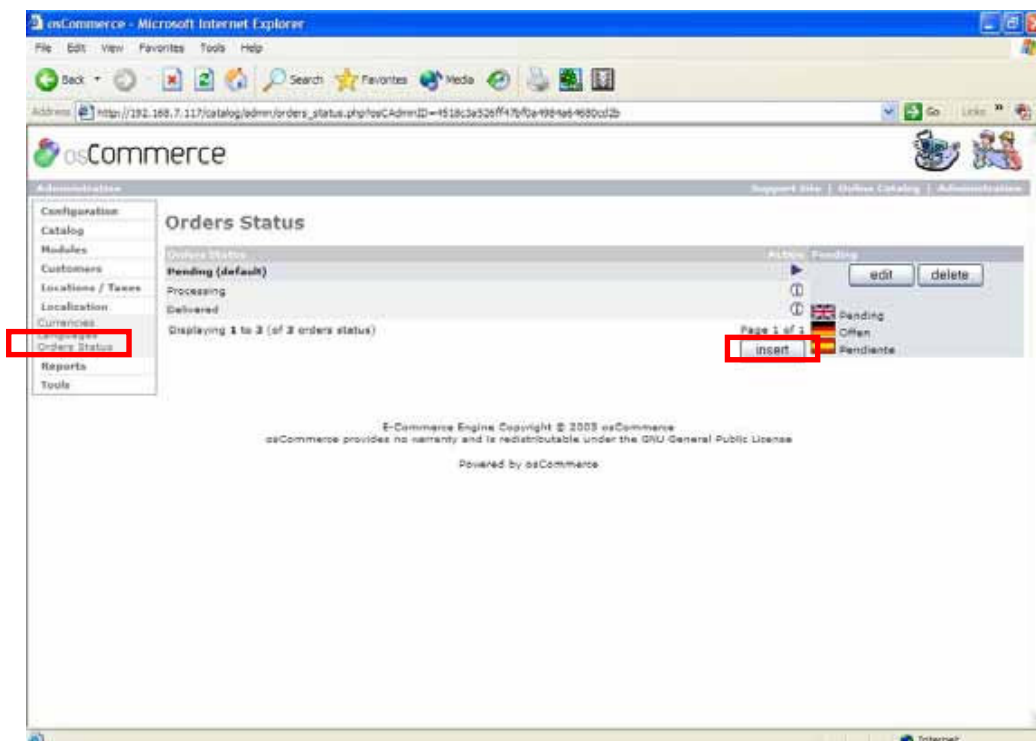
2. Choose Localization option

Click on “Localization” option from the action list to enter the localization page.

3. Choose orders status option

On the localization page, click "Orders Status" from the menu on the left of the screen to enter the page for handling orders status.

The following page is displayed:



4. Insert new orders status – Payment Success

Click the “insert” button at the end of the table.

Add the option “Payment Success” into the English language field. You may add the text in corresponding language if you have used languages other than English. You have to tick the box beside “Show the order to the customer at this order status level”.

Click “insert” button under the field to confirm.

osCommerce Online Merchant v2.2 RC2

Administration | Online Catalog | Support Site | Logged in as: admin (Logoff)

Orders Status

Orders Status	Public Status	Downloads Status	Action	New Orders Status
Pending (default)	✓	✗	ⓘ	Please enter the new orders status with its related data
Processing	✓	✓	ⓘ	Orders Status:
Delivered	✓	✓	ⓘ	<input type="checkbox"/> Paydollar Success
Payment Successful	✓	✗	ⓘ	<input type="checkbox"/>
Payment Failed	✓	✗	ⓘ	<input type="checkbox"/>
Amount or Currency not match	✓	✗	ⓘ	<input checked="" type="checkbox"/> Show the order to the customer at this order status level

Displaying 1 to 6 (of 6 orders status) | Page 1 of 1

Allow downloads of virtual products at this order status level

Set as default

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5. Insert new orders status – Payment Fail, Payment Pending

Repeat step 4 with “Payment Fail” orders status added instead, followed by inserting “Payment Pending”.

The new orders status used in data feed page have been successfully added.

6. Update Paydollar Module to use newly added order statuses

The screenshot shows the 'Payment Modules' configuration page. The 'Paydollar' module is selected, and its configuration options are visible. A red box highlights the 'Set Paydollar Pending Order Status', 'Set Paydollar Acknowledged Order Status', and 'Set Paydollar Failed Order Status' sections, which allow setting the status of pending, successful, and failed orders respectively.

Modules	Sort Order	Action	Paydollar
Authorize.net Credit Card AIM			Enable PayDollar Module Do you want to accept Paydollar payments?
Authorize.net Credit Card SIM			<input checked="" type="radio"/> True <input type="radio"/> False
Credit Card (Not For Production Use)	3		PayDollar ID The merchant id used for the Paydollar service 102527
ChronoPay			
Cash on Delivery	2		
iPayment			
Check/Money Order			
NOCHEX			
Paydollar	1		Set Paydollar Pending Order Status Set the status of pending orders made with this payment module to this value Payment Pending
PayPal Website Payments Pro (US) Direct Payments			
PayPal Express Checkout	4		
PayPal Website Payments Standard			
PayPal Website Payments Pro (UK) Direct Payments			
PayPal Website Payments Pro (UK) Express Checkout			
2Checkout			Set Paydollar Acknowledged Order Status Set the status of successful orders made with this payment module to this value Payment Success
PSiGate			
SECPay			
Sofortüberweisung Direkt			
WorldPay Junior			Set Paydollar Failed Order Status Set the status of failed orders made with this payment module to this value Payment Fail
Module Directory: D:/Apache2/Apache2/htdocs/osc/includes/modules/payment/			Transaction Currency

Select Module -> Payment -> Paydollar and Press 'Edit' button. Configure the corresponding order statuses for Paydollar Pending, Success, Fail order status.

Finally, after finishing a payment...

You can check the order status under Customers -> Orders.

The screenshot shows the 'Orders' page in the administration interface. The order details for a customer named Steve Ng are shown. The 'Status' column in the order table is highlighted with a red box, showing 'Payment Pending' and 'Payment Success'.

Customer: Steve Ng
north point
north point, 0852
hong kong, Hong Kong

Shipping Address: Steve Ng
north point
north point,
0852
hong kong,
Hong Kong

Billing Address: Steve Ng
north point
north point,
0852
hong kong,
Hong Kong

Telephone Number: 12345678

E-Mail Address: steve.ng@asiapay.com

Payment Method: Paydollar

Products	Model	Tax	Price (ex)	Price (inc)	Total (ex)	Total (inc)
1 x SWAT 3: Close Quarters Battle	PC-SWAT3	0%	80	80	80	80
						Sub-Total: \$79.99
						Flat Rate (Best Way): \$5.00
						Total: \$84.99

Date Added	Customer Notified	Status	Comments
01/20/2009 18:26:08		Payment Pending	
01/20/2009 18:26:18		Payment Success	

Comments

Status:

Notify Customer: Append Comments:

Sample Data Feed Page

You can find the datafeed.php in the zip file. It is ready to use to suit general usage.

Kick Off

After the integration has been completed, it is ready to launch your e-commerce web to serve your customers. Please copy the following PRODUCTION URL for client post method:

<https://www.paydollar.com/b2c2/eng/payment/payForm.jsp>

Please copy the following TESTING URL for client post method:

<https://test.paydollar.com/b2cDemo/eng/payment/payForm.jsp>

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ZenCart v1.3.8

Requirement of Integration

Before integrating Zen Cart with PayDollar payment page, make sure the following requirements are fulfilled :

1. Zen-Cart-v1.3.8 is installed, configured properly and the PayDollar payment module files are uploaded to the system directory.
2. You have obtained a PayDollar Merchant account, with merchant profile properly filled.
3. The payment method (e.g. VISA, MasterCard) you are going to select must be supported by PayDollar System. Check payment method details in the “Payment Account Information” of your merchant profile in PayDollar system to make sure appropriate payment method are enabled.

Configuration of administrative tool – Enabling the payment module

To use the pay by credit card function in Zen Cart, configuration has to be done in the administrative tool to enable the pay by credit card (PayDollar) payment module.

1. Enter Administration Page

Go to the administration page of Zen Cart by entering the following address:

<http://www.yourdomain.com/yourZenCartFolderName/admin/index.php>

The following page is displayed:

The screenshot shows the 'Admin Login' page. It contains a form with two input fields: 'Admin Username' with the value 'gayward' and 'Admin Password' with masked characters. Below the fields is a 'Login' button and a 'Resend Password' link.

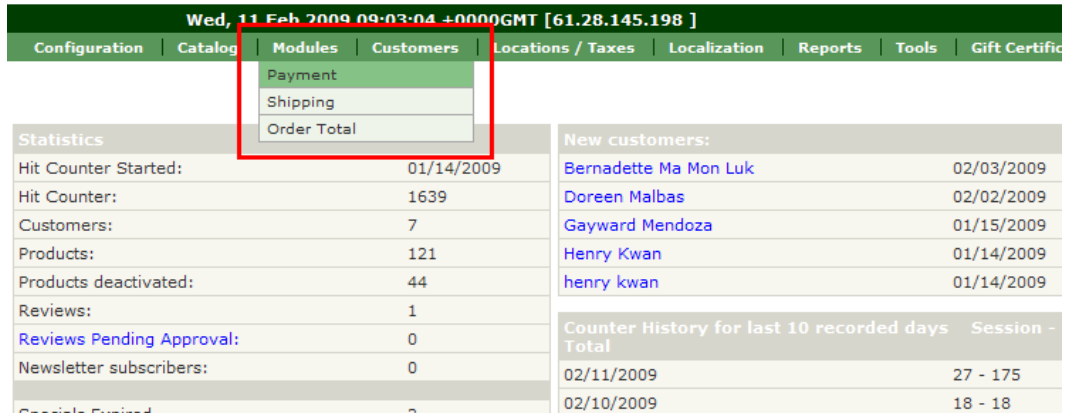
Once you have logged in the admin page, the following page is displayed:

The screenshot shows the Zen Cart Admin Home dashboard. At the top, there is a navigation menu with links like 'Configuration', 'Catalog', 'Modules', 'Customers', etc. Below the menu, there are several data tables:

Statistics		New customers:		New orders:	
Hit Counter Started:	01/14/2009	Bernadette Ma Mon Luk	02/03/2009	Gayward Mendoza	\$110.88
Hit Counter:	1639	Doreen Malbas	02/02/2009	Gayward Mendoza	\$11.14
Customers:	7	Gayward Mendoza	01/15/2009	Gayward Mendoza	\$33.30
Products:	121	Henry Kwan	01/14/2009	Gayward Mendoza	
Products deactivated:	44	henry kwan	01/14/2009	Gayward Mendoza	
Reviews:	1	Counter History for last 10 recorded days - Session - Total		Gayward Mendoza	
Reviews Pending Approval:	0	02/11/2009	27 - 175	PHP4,502.50	02/06/2009
Newsletter subscribers:	0	02/10/2009	18 - 18	Gayward Mendoza	
Specials Expired	2	02/07/2009	2 - 2	PHP3,100.00	02/06/2009
Specials Active	27	02/06/2009	28 - 58		
Featured Products Expired	1	02/05/2009	17 - 46		
Featured Products Active	9	02/04/2009	11 - 42		
Sales Expired	2	02/03/2009	35 - 111		
Sales Active	6	02/02/2009	24 - 149		
Orders		01/31/2009	2 - 2		
Pending:	18	01/30/2009	13 - 60		
Processing:	0				
Delivered:	0				

2. Choose Modules option

Click on “Modules” option from the action list to enter the modules page.



The screenshot shows the Zen Cart administration interface. At the top, there is a navigation bar with the following options: Configuration, Catalog, **Modules**, Customers, Locations / Taxes, Localization, Reports, Tools, and Gift Certificate. The 'Modules' option is highlighted with a red box. Below the navigation bar, there are two main sections: 'Statistics' and 'New customers:'. The 'Statistics' section includes a table with the following data:

Statistics	
Hit Counter Started:	01/14/2009
Hit Counter:	1639
Customers:	7
Products:	121
Products deactivated:	44
Reviews:	1
Reviews Pending Approval:	0
Newsletter subscribers:	0

The 'New customers:' section includes a table with the following data:

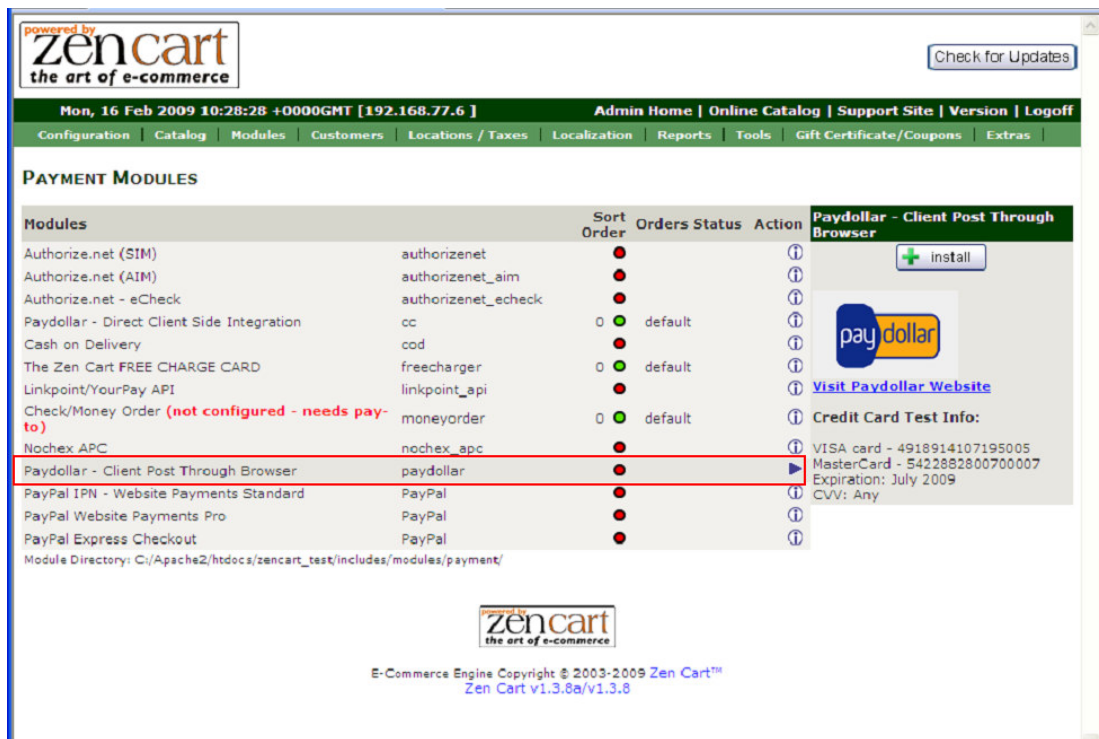
Name	Date
Bernadette Ma Mon Luk	02/03/2009
Doreen Malbas	02/02/2009
Gayward Mendoza	01/15/2009
Henry Kwan	01/14/2009
henry kwan	01/14/2009

Below the 'New customers:' section, there is a 'Counter History for last 10 recorded days' table:

Date	Session - Total
02/11/2009	27 - 175
02/10/2009	18 - 18

3. Choose payment module

The “PayDollar – Client Post Through Browser” module is available.



The screenshot shows the Zen Cart administration interface for the 'PAYMENT MODULES' page. The page title is 'PAYMENT MODULES'. The navigation bar at the top includes: Configuration, Catalog, **Modules**, Customers, Locations / Taxes, Localization, Reports, Tools, Gift Certificate/Coupons, and Extras. The 'Modules' option is highlighted with a red box. Below the navigation bar, there is a table of payment modules:

Modules	Sort Order	Orders Status	Action
Authorize.net (SIM)	authorize.net	●	ⓘ
Authorize.net (AIM)	authorize.net_aim	●	ⓘ
Authorize.net - eCheck	authorize.net_echeck	●	ⓘ
Paydollar - Direct Client Side Integration	cc	0 ● default	ⓘ
Cash on Delivery	cod	●	ⓘ
The Zen Cart FREE CHARGE CARD	freecharger	0 ● default	ⓘ
Linkpoint/YourPay API	linkpoint_api	●	ⓘ
Check/Money Order (not configured - needs pay-to)	moneyorder	0 ● default	ⓘ
Nochex APC	nochex_apc	●	ⓘ
Paydollar - Client Post Through Browser	paydollar	●	▶ ⓘ
PayPal IPN - Website Payments Standard	PayPal	●	ⓘ
PayPal Website Payments Pro	PayPal	●	ⓘ
PayPal Express Checkout	PayPal	●	ⓘ

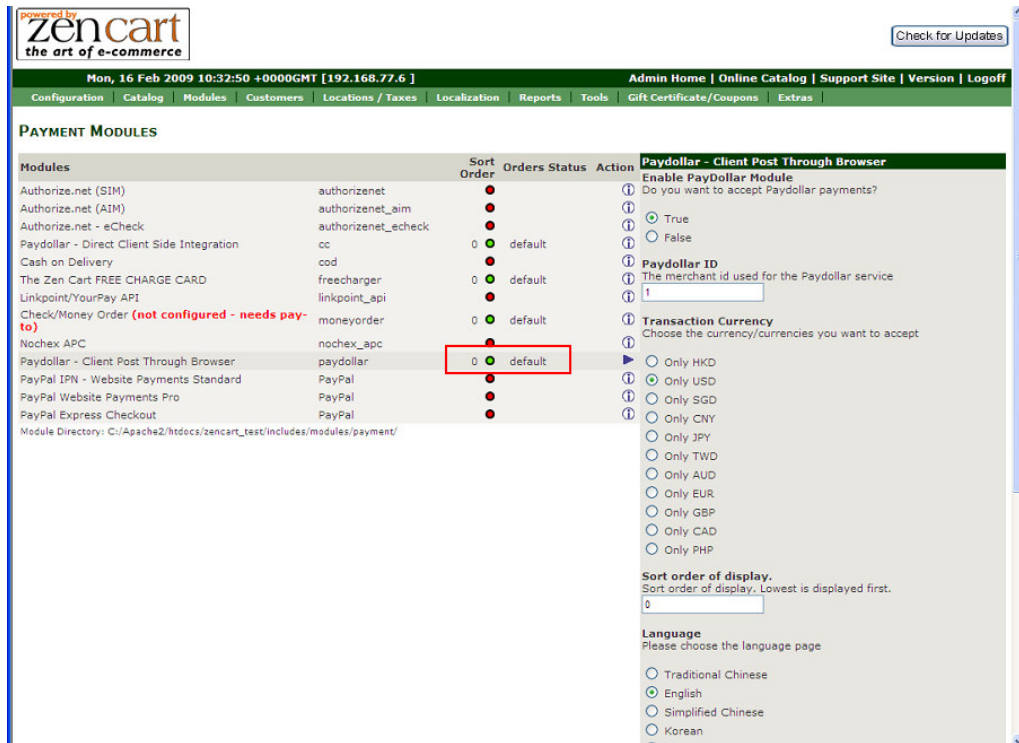
The 'Paydollar - Client Post Through Browser' module is highlighted with a red box. To the right of the table, there is a 'Paydollar - Client Post Through Browser' section with an 'Install' button and a 'Visit Paydollar Website' link. Below this, there is a 'Credit Card Test Info:' section with the following details:

- VISA card - 4918914107195005
- MasterCard - 5422882800700007
- Expiration: July 2009
- CVV: Any

At the bottom of the page, there is a Zen Cart logo and the text: 'E-Commerce Engine Copyright © 2003-2009 Zen Cart™ Zen Cart v1.3.8a/v1.3.8'.

4. Installing the Module

Click the “install” button on the right hand side of the screen to install the PayDollar module.



The screenshot displays the Zen Cart Admin interface for configuring payment modules. The page title is "PAYMENT MODULES". A table lists various payment modules with columns for "Modules", "Sort Order", "Orders Status", and "Action". The "Paydollar - Client Post Through Browser" module is highlighted with a red box, indicating it is installed and active. The "Action" column for this module shows a green circle with a white checkmark, signifying that the module is installed and ready for use. Other modules listed include Authorize.net (SIM), Authorize.net (ATM), Authorize.net - eCheck, Paydollar - Direct Client Side Integration, Cash on Delivery, The Zen Cart FREE CHARGE CARD, Linkpoint/YourPay API, Check/Money Order (not configured - needs pay-to), Nochex APC, PayPal IPN - Website Payments Standard, PayPal Website Payments Pro, and PayPal Express Checkout. The "Action" column for the "Paydollar - Client Post Through Browser" module shows a green circle with a white checkmark, indicating it is installed and active. The "Action" column for other modules shows a red circle with a white exclamation mark, indicating they are not installed or are in an error state. The "Action" column for the "Paydollar - Client Post Through Browser" module also includes configuration options such as "Enable PayDollar Module" (True/False), "Paydollar ID" (merchant id), and "Transaction Currency" (USD, SGD, CNY, JPY, TWD, AUD, EUR, GBP, CAD, PHP).

Modules	Sort Order	Orders Status	Action
Authorize.net (SIM)	authorize.net	●	⚠
Authorize.net (ATM)	authorize.net_atm	●	⚠
Authorize.net - eCheck	authorize.net_echeck	●	⚠
Paydollar - Direct Client Side Integration	cc	0 ● default	⚠
Cash on Delivery	cod	●	⚠
The Zen Cart FREE CHARGE CARD	freecharger	0 ● default	⚠
Linkpoint/YourPay API	linkpoint_api	●	⚠
Check/Money Order (not configured - needs pay-to)	moneyorder	0 ● default	⚠
Nochex APC	nochex_apc	●	⚠
Paydollar - Client Post Through Browser	paydollar	0 ● default	▶
PayPal IPN - Website Payments Standard	PayPal	●	⚠
PayPal Website Payments Pro	PayPal	●	⚠
PayPal Express Checkout	PayPal	●	⚠

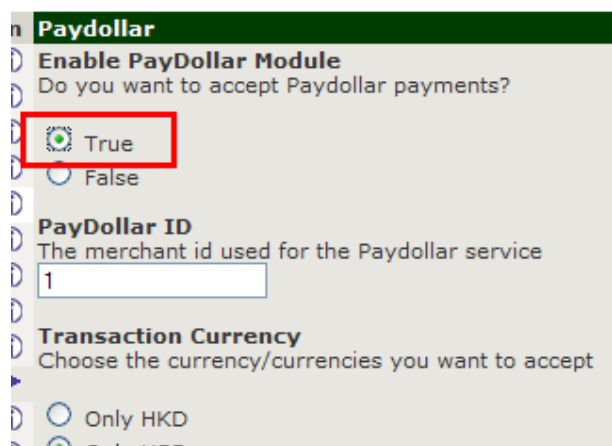
When the module is installed, the indicator will be turned into green color.

Configuring the PayDollar Module

To connect Zen Cart to PayDollar payment page, it is necessary to enable and configure the PayDollar module properties. Whichever type of module is selected, the merchant needs to configure the following:

1. Enabling the module

Enable the module by choosing TRUE. You can click the “Update” button on the right hand side of the screen to edit the PayDollar module if you want to accept PayDollar payments.

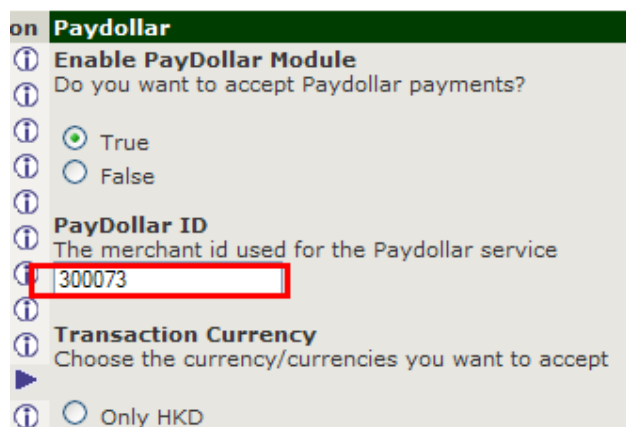


The screenshot shows the configuration interface for the PayDollar module. The 'Enable PayDollar Module' section is expanded, showing the question 'Do you want to accept Paydollar payments?'. The 'True' radio button is selected and highlighted with a red box. Below this, the 'PayDollar ID' field is visible, containing the value '1'. The 'Transaction Currency' section is also visible, with 'Only HKD' selected.

2. Configure PayDollar module

On the right hand side, you can find several property values.

- PayDollar ID: Your merchant Id issued by PayDollar.



The screenshot shows the configuration interface for the PayDollar module. The 'PayDollar ID' field is highlighted with a red box, containing the value '300073'. The 'Transaction Currency' section is also visible, with 'Only HKD' selected.

- Transaction Currency: The currency of all transaction. Please ensure the selected currency is the same as that registered in PayDollar and the default currency in your Zen Cart platform.
- Language: The language used in the payment page.
- PayDollar Server: The server URL in which the payment will be done.

Definition of Parameters in the Integration Page

[This section is only for reference purpose, since the integration has been done in the module delivered with this document.]

The following are the parameters for integration. PayDollar PayGate is case sensitive. Make sure the typeface is correct. When a transaction is finished, the system will return customer a payment message. Merchant can create static HTML pages to display the message.

Input /Return	Parameters (Required Fields are in Bold typeface) *Case Sensitive	Data Type	Descriptions
Input	orderRef	Text (35)	Merchant's Order Reference Number
	amount	Number	The total amount your want to charge the customer (up to 2 decimal place)
	currCode	Text (3)	The currency of the payment : "344" - HKD "840" - USD "702" - SGD "156" - CNY (RMB) "392" - JPY "901" - TWD "036" - AUD "978" - EUR "826" - GBP "124" - CAD
	lang	Text (1) ("C", "E", "X", "K", "J", "T")	The language of the payment page : "C" - Traditional Chinese "E" - English "X" - Simplified Chinese "K" - Korean "J" - Japanese "T" - Thai
	merchantId	Number	The merchant ID we provide to you
	pMethod	Text ("VISA", "Mas ter", "Diners", "JCB", "AMEX")	The payment card type
	epMonth	Number(2)	Credit card expiry month
	epYear	Number(4)	Credit card expiry year
	cardNo	Text (16)	Credit card number
	securityCode	Text (4)	Credit Card Verification Code - VISA: CVV (3-digit)

			- MasterCard: CVC (3-digit) - American Express: 4DBC (4-digit)
	cardHolder	Text (20)	Credit card holder name
	failUrl	Text (300)	A Web page address you want us to redirect upon the transaction being rejected by us (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	successUrl	Text (300)	A Web page address you want us to redirect upon the transaction being accepted by us (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	errorUrl	Text (300)	A Web page address you want us to redirect when unexpected error occur (e.g. parameter incorrect) (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	payType	Text (1) ("N", "H")	The payment type: "N" – Normal Payment (Sales) "H" – Hold Payment (Authorize only)
Optional Parameter for connect to our payment page			
Input	remark	Text	An additional remark field that will appear in the confirmation email and transaction detail report to help you to refer the order

Datafeed

[This section is only for reference purpose, since the integration has been done in the module delivered with this document.]

Data feed page is used to receive a real-time result of payment from PayDollar. By comparing the payment information of order in your own database with the information from PayDollar in data feed page (by checking the Merchant's Order Reference Number – "Ref" from PayDollar data feed), you can verify whether the order exist in your own database. By further checking of success code from PayDollar and comparing the amount and currency of the payment, the payment status of order in your own database can be determined and updated.

Requirement to Data Feed Page

To use data feed function, merchant have to create a data feed page and inform the acquiring bank about the location of your page (e.g. <http://www.yourdomain.com/catalog/datafeed.php>). Merchant has to wait until the bank update the system in order to use this function.

The data feed page must meet the following requirement:

- Print 'OK' in HTML when data captured (ACK message)
- **Make Sure to Print 'OK' for acknowledge to our system first then do the rest of your system process, if something wrong with your system process (i.e. download photo, ring tone problem) you can send a void request to our system, for more details please refer to our API guide and contact our technical staff.**

* Since the system will read from the data feed page for the word 'OK' to determine whether the (data feed) message is delivered or not, if this word does not return successfully, the system will assume the data feed is lost.

Definition of Parameters in the Data Feed Page

If merchant's web site supports data feed, the system can return payment message as shown in the following table.

Parameters	Data Type	Descriptions
Data Feed Output		
src	Number	Return bank host status code
prc	Number	Return bank host status code
Ord	Number (40)	Bank Reference – Order id
Holder	Text	The Holder Name of the Payment Account
successcode	Number	0- succeeded, 1- Failure, Others - error
Ref	Text	Merchant's Order Reference Number
PayRef	Number	Payment Reference Number
Amt	Number (15,5)	Transaction Amount
Cur	Number (3)	Transaction Currency i.e. "344" - HKD "840" – USD "702" – SGD "156" – CNY (RMB) "392" – JPY "901" – TWD
remark	Text (200)	A remark field for you to store additional data that will not show on the transaction web page
AuthId	Text	Approval Code

Kick Off

After the integration has been completed, it is ready to launch your e-commerce web to serve your customers.

Please copy the following PRODUCTION URL for client post method:

<https://www.paydollar.com/b2c2/eng/payment/payForm.jsp>

Please copy the following TESTING URL for client post method:

<https://test.paydollar.com/b2cDemo/eng/payment/payForm.jsp>

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VirtueMart v1.1.3

Requirement of Integration

Before integrating VirtueMart with PayDolla, make sure the following requirements are fulfilled:

1. VirtueMart v1.1.3 is installed (hosted by Joomla! 1.0.x/1.5) and configured properly.
2. Retrieved the PayDollar integration module "VirtueMart_PayDollar.zip", and "payment_extra_info.txt". The zip file should be extracted and put under Joomla's root folder.
3. You have obtained a PayDollar Merchant account, with merchant profile properly filled.
4. The payment method (e.g. VISA, MasterCard) you are going to select must be supported by PayDollar System. Check payment method details in the "Payment Account Information" of your merchant profile in PayDollar system to make sure appropriate payment method are enabled.

Configuration of administrative tool – Enabling the payment module

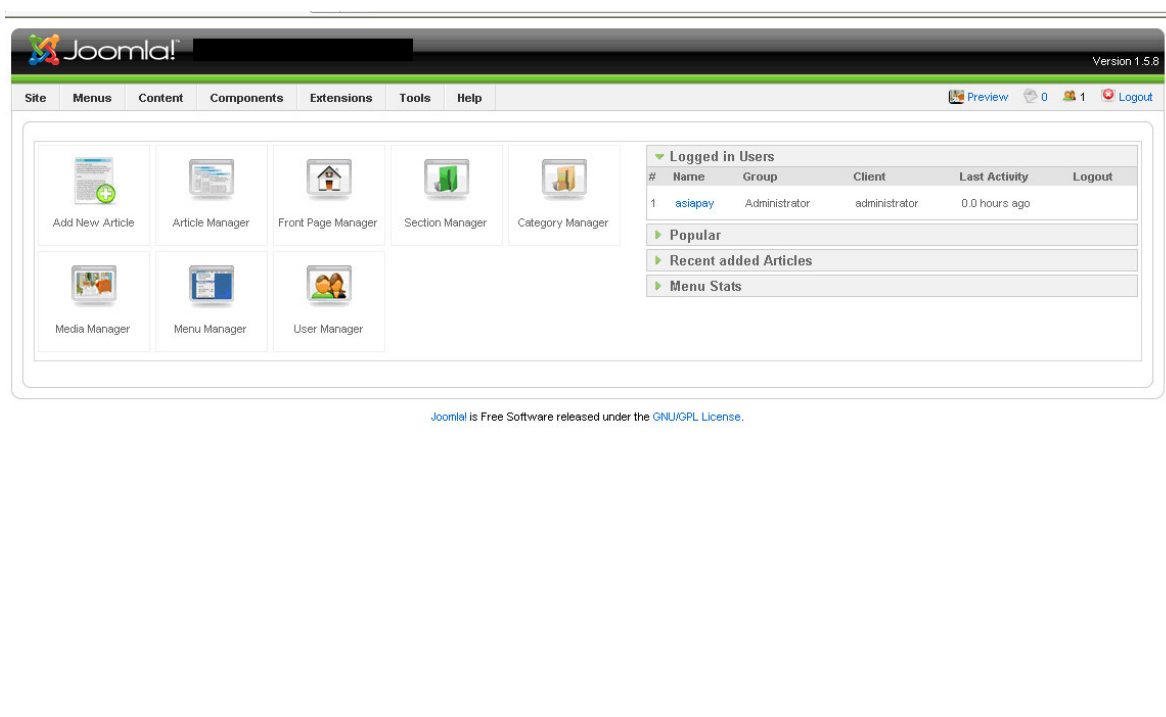
To use the pay by credit card function in VirtueMart, configuration has to be done in the administrative tool to enable the pay by credit card (PayDollar) payment module.

1. Enter Administration Page

Go to the administration page of Joomla! by entering the following address:

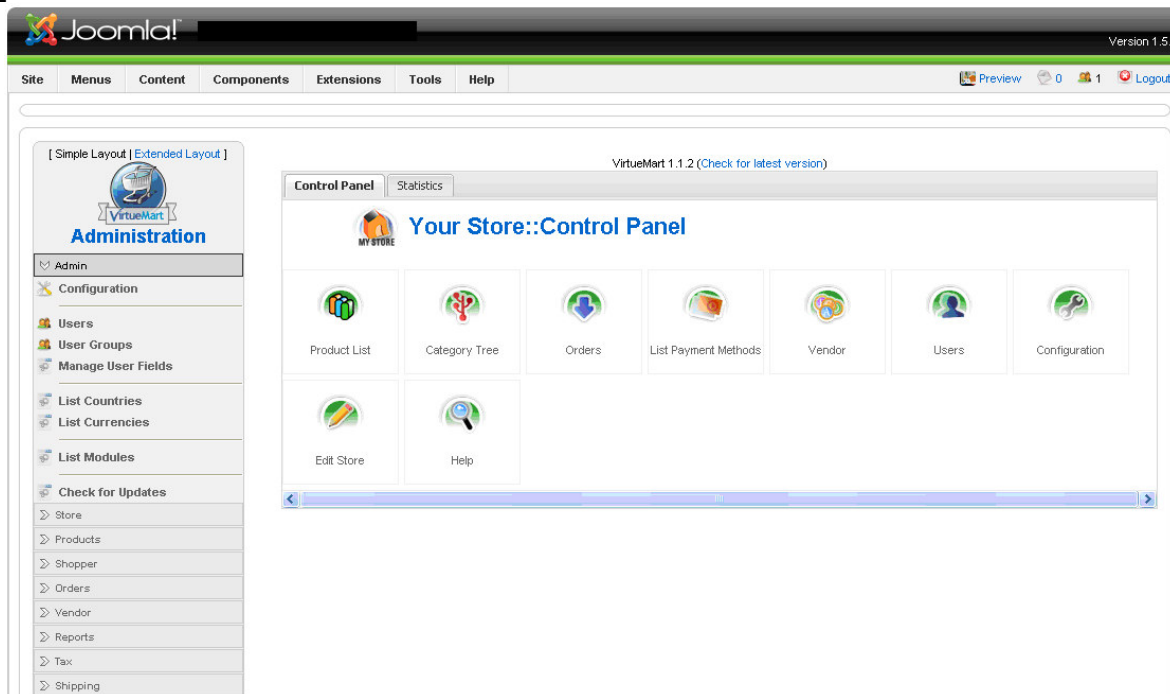
<http://www.yourdomain.com/yourVirtueMartFolderName/administrator/index.php>

Once you have logged in the admin page, the following page is displayed:



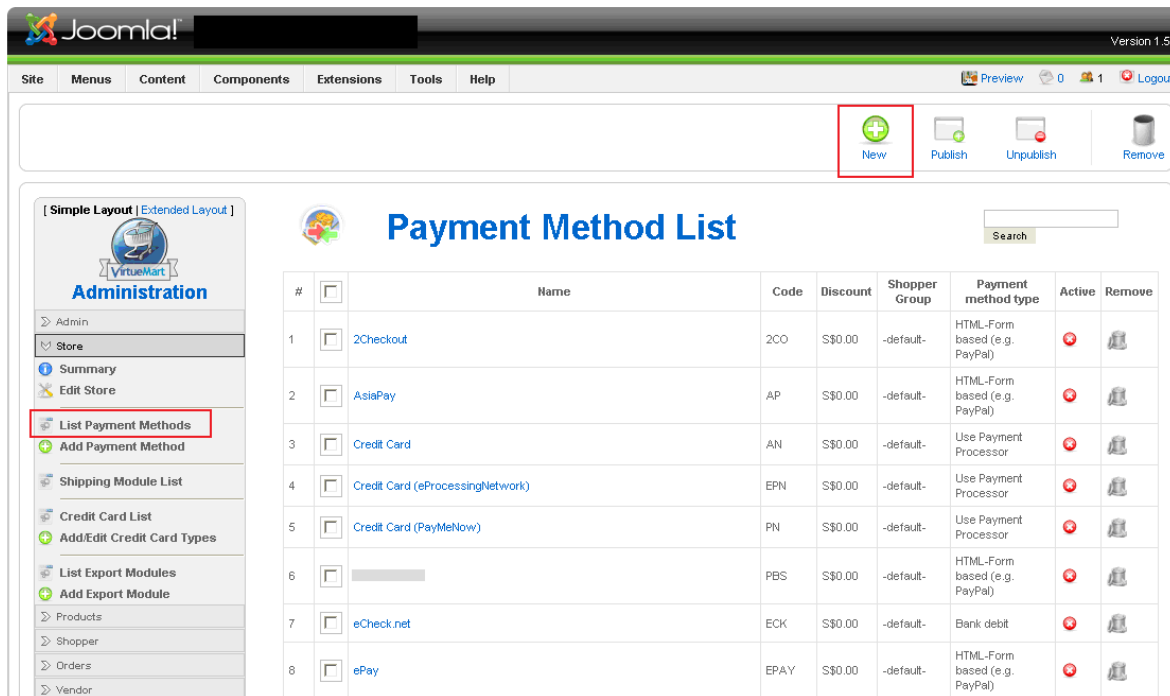
2. Enter VirtueMart Administration

Click on "Components" → "VirtueMart" from the top menu. The following page will be displayed,



3. List payment module

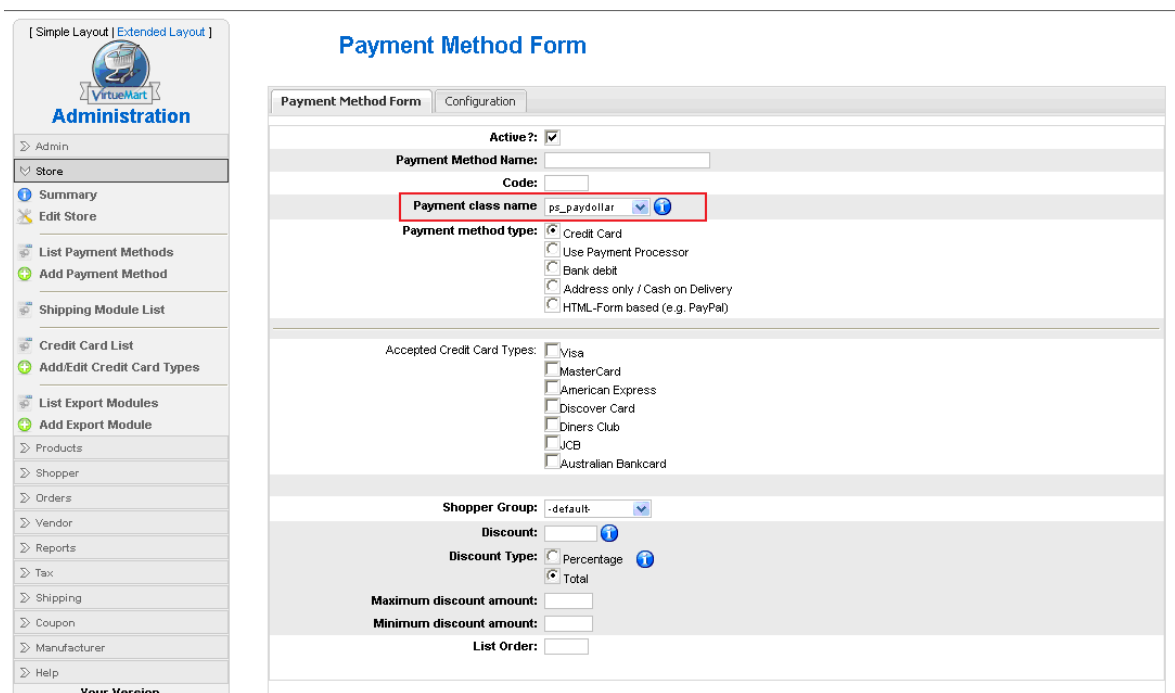
Click “Store” → “List Payment Methods” from left menu. And all available payment method will be listed. You may then click the “New” button at the upper menu to create a new payment option.



4. Installing the Module

Set the “Active” checkbox, and input a payment method name in the text field provided. You may also select “ps_paydollar” in the Payment class name field. (If the payment module files are not uploaded properly, this option may not be available).

Set the Payment method type to “HTML-Form based (e.g. PayPal)” and select accepted credit card types according to your merchant profile.



The screenshot displays the "Payment Method Form" configuration interface. On the left is a navigation sidebar with the VirtueMart logo and "Administration" header. The sidebar menu includes: Admin, Store, Summary, Edit Store, List Payment Methods, Add Payment Method, Shipping Module List, Credit Card List, Add/Edit Credit Card Types, List Export Modules, Add Export Module, Products, Shopper, Orders, Vendor, Reports, Tax, Shipping, Coupon, Manufacturer, and Help. The main content area is titled "Payment Method Form" and has two tabs: "Payment Method Form" (selected) and "Configuration".

The form fields are as follows:

- Active?:**
- Payment Method Name:**
- Code:**
- Payment class name:** (highlighted with a red box)
- Payment method type:** Credit Card, Use Payment Processor, Bank debit, Address only / Cash on Delivery, HTML-Form based (e.g. PayPal)
- Accepted Credit Card Types:** Visa, MasterCard, American Express, Discover Card, Diners Club, JCB, Australian Bankcard
- Shopper Group:**
- Discount:**
- Discount Type:** Percentage, Total
- Maximum discount amount:**
- Minimum discount amount:**
- List Order:**

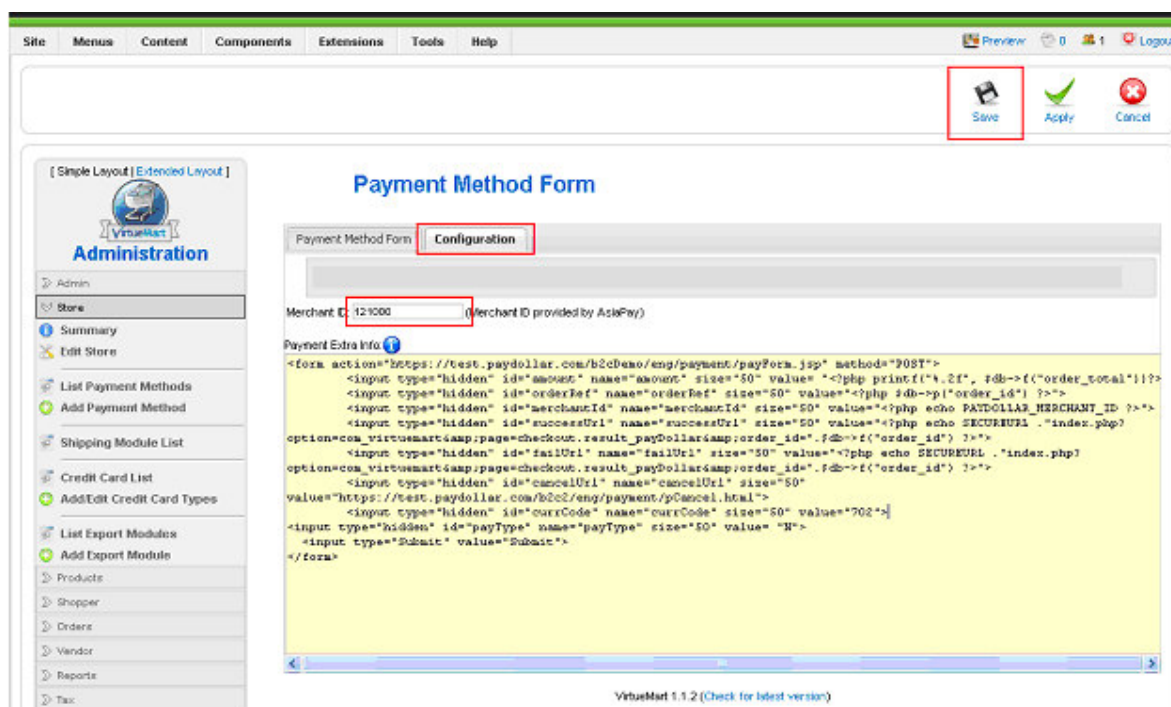
5. Configure the payment method

Click the “Configuration” tab at the menu.

Input your merchant ID in the field provided. Copy and paste the content of “payment_extra_info.txt” (come with the payment module) to the text area. You may need to modify the default value provided, e.g. currency code, cancel URL, and the action URL. Please refer to the next section for more detailed description of these values.

Please note that the value of amount, orderRef, merchantId, successUrl, and failUrl shouldn't be modified, as VirtueMart will fill-in correct value at the time of order checkout.

Finally, please click the “Save” button to complete the setup.



The screenshot displays the VirtueMart Administration interface. The top navigation bar includes 'Site', 'Menus', 'Content', 'Components', 'Extensions', 'Tools', and 'Help'. On the right, there are 'Preview', '0', '1', and 'Logout' icons. Below the navigation bar, there are 'Save', 'Apply', and 'Cancel' buttons. The main content area is titled 'Payment Method Form' and has a 'Configuration' tab selected. The 'Merchant ID' field is set to '121000' (Merchant ID provided by AsiaPay). The 'Payment Extra Info' field contains the following PHP code:

```
<form action="https://test.paydollar.com/b2c2/enq/payment/payform.jsp" method="POST">
  <input type="hidden" id="amount" name="amount" size="50" value="<?php printf("%.2f", $db->f("order_total"))?>" />
  <input type="hidden" id="orderRef" name="orderRef" size="50" value="<?php $db->p("order_id")?>" />
  <input type="hidden" id="merchantId" name="merchantId" size="50" value="<?php echo PAYDOLLAR_MERCHANT_ID?>" />
  <input type="hidden" id="successUrl" name="successUrl" size="50" value="<?php echo SECUREURL . "index.php?option=com_virtuemart&page=checkout_result_paydollar&order_id=" . $db->f("order_id")?>" />
  <input type="hidden" id="failUrl" name="failUrl" size="50" value="<?php echo SECUREURL . "index.php?option=com_virtuemart&page=checkout_result_paydollar&order_id=" . $db->f("order_id")?>" />
  <input type="hidden" id="cancelUrl" name="cancelUrl" size="50" value="https://test.paydollar.com/b2c2/enq/payment/pCancel.html" />
  <input type="hidden" id="currCode" name="currCode" size="50" value="702" />
  <input type="hidden" id="payType" name="payType" size="50" value="N" />
  <input type="Submit" value="Submit" />
</form>
```

The footer of the page indicates 'VirtueMart 1.1.2 (Check for latest version)'.

Definition of Parameters in the Integration Page

[This section is only for reference purpose, since the integration has been done in the module delivered with this document.]

The following are the parameters for integration. PayDollar PayGate is case sensitive. Make sure the typeface is correct. When a transaction is finished, the system will return customer a payment message. Merchant can create static HTML pages to display the message.

Input /Return	Parameters (Required Fields are in Bold typeface) *Case Sensitive	Data Type	Descriptions
Input	orderRef	Text (35)	Merchant's Order Reference Number
	amount	Number	The total amount your want to charge the customer (up to 2 decimal place)
	currCode	Text (3)	The currency of the payment : "344" - HKD "840" – USD "702" – SGD "156" – CNY (RMB) "392" – JPY "901" – TWD "036" – AUD "978" – EUR "826" – GBP "124" – CAD
	lang	Text (1) ("C", "E", "X", "K", "J", "T")	The language of the payment page : "C" - Traditional Chinese "E" - English "X" - Simplified Chinese "K" – Korean "J" – Japanese "T" – Thai
	merchantId	Number	The merchant ID we provide to you
	pMethod	Text ("VISA", "Mas ter", "Diners", "JCB", "AMEX")	The payment card type
	epMonth	Number(2)	Credit card expiry month
	epYear	Number(4)	Credit card expiry year
	cardNo	Text (16)	Credit card number
	securityCod	Text (4)	Credit Card Verification Code

	e		- VISA: CVV (3-digit) - MasterCard: CVC (3-digit) - American Express: 4DBC (4-digit)
	cardHolder	Text (20)	Credit card holder name
	failUrl	Text (300)	A Web page address you want us to redirect upon the transaction being rejected by us (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	successUrl	Text (300)	A Web page address you want us to redirect upon the transaction being accepted by us (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	errorUrl	Text (300)	A Web page address you want us to redirect when unexpected error occur (e.g. parameter incorrect) (For display purpose only. DO NOT use this URL to update your system. Please use DataFeed for this purpose.)
	payType	Text (1) ("N", "H")	The payment type: "N" – Normal Payment (Sales) "H" – Hold Payment (Authorize only)
Optional Parameter for connect to our payment page			
Input	remark	Text	An additional remark field that will appear in the confirmation email and transaction detail report to help you to refer the order

Data Feed

[This section is only for reference purpose, since the integration has been done in the module delivered with this document.]

Purpose of Data Feed Page

Data feed page is used to receive a real-time result of payment from PayDollar. By comparing the payment information of order in your own database with the information from PayDollar in data feed page (by checking the Merchant's Order Reference Number – "Ref" from PayDollar data feed), you can verify whether the order exist in your own database. By further checking of success code from PayDollar and comparing the amount and currency of the payment, the payment status of order in your own database can be determined and updated.

Requirement to Data Feed Page

To use data feed function, merchant have to create a data feed page and inform the acquiring bank about the location of your page (e.g. <http://www.yourdomain.com/catalog/datafeed.php>). Merchant has to wait until the bank update the system in order to use this function.

The data feed page must meet the following requirement:

- Print '**OK**' in HTML when data captured (ACK message)
- **Make Sure to Print 'OK' for acknowledge to our system first then do the rest of your system process, if something wrong with your system process (i.e. download photo, ring tone problem) you can send a void request to our system, for more details please refer to our API guide and contact our technical staff.**

* Since the system will read from the data feed page for the word 'OK' to determine whether the (data feed) message is delivered or not, if this word does not return successfully, the system will assume the data feed is lost.

Definition of Parameters in the Data Feed Page

If merchant's web site supports data feed, the system can return payment message as shown in the following table.

Parameters	Data Type	Descriptions
Data		
src	Number	Return bank host status code
prc	Number	Return bank host status code
Ord	Number (40)	Bank Reference – Order id
Holder	Text	The Holder Name of the Payment Account
successcode	Number	0- succeeded, 1- Failure, Others - error
Ref	Text	Merchant's Order Reference Number
PayRef	Number	Payment Reference Number
Amt	Number (15,5)	Transaction Amount
Cur	Number (3)	Transaction Currency i.e. "344" - HKD "840" – USD "702" – SGD "156" – CNY (RMB) "392" – JPY "901" – TWD
remark	Text (200)	A remark field for you to store additional data that will not show on the transaction web page
AuthId	Text	Approval Code

Setup Data Feed for VirtueMart

A default implementation of data feed is come with the payment module under, /administrator/components/com_virtuemart/paydollar_notify.php

You may make use of this php file to accept data feed from PayDollar to update order status. When success code is received, it will update corresponding order status to "Confirmed". While the payment is rejected, it will update corresponding order status to "Cancelled". You may further modify this file to cater your own requirement.

Please pass the full URL of the data feed to AsiaPay to have the URL setup at PayDollar.

Kick Off

After the integration has been completed, it is ready to launch your e-commerce web to serve your customers. Please copy the following PRODUCTION URL for client post method:

<https://www.paydollar.com/b2c2/eng/payment/payForm.jsp>

Please copy the following TESTING URL for client post method:

<https://test.paydollar.com/b2cDemo/eng/payment/payForm.jsp>

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