PayDollar PayGate

Integration Guide (For osCommerce v2.2 RC2)

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Revision History

Revision	Date	Revision Description
1.0	July 26, 2004	First issue
2.0	Dec 10, 2008	Update to support new version 2.2 RC2
2.1	Jan 20, 2009	Bug fixed
2.2	Feb 07, 2020	Add parameters for 3DS 2.0

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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.

Integration

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 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

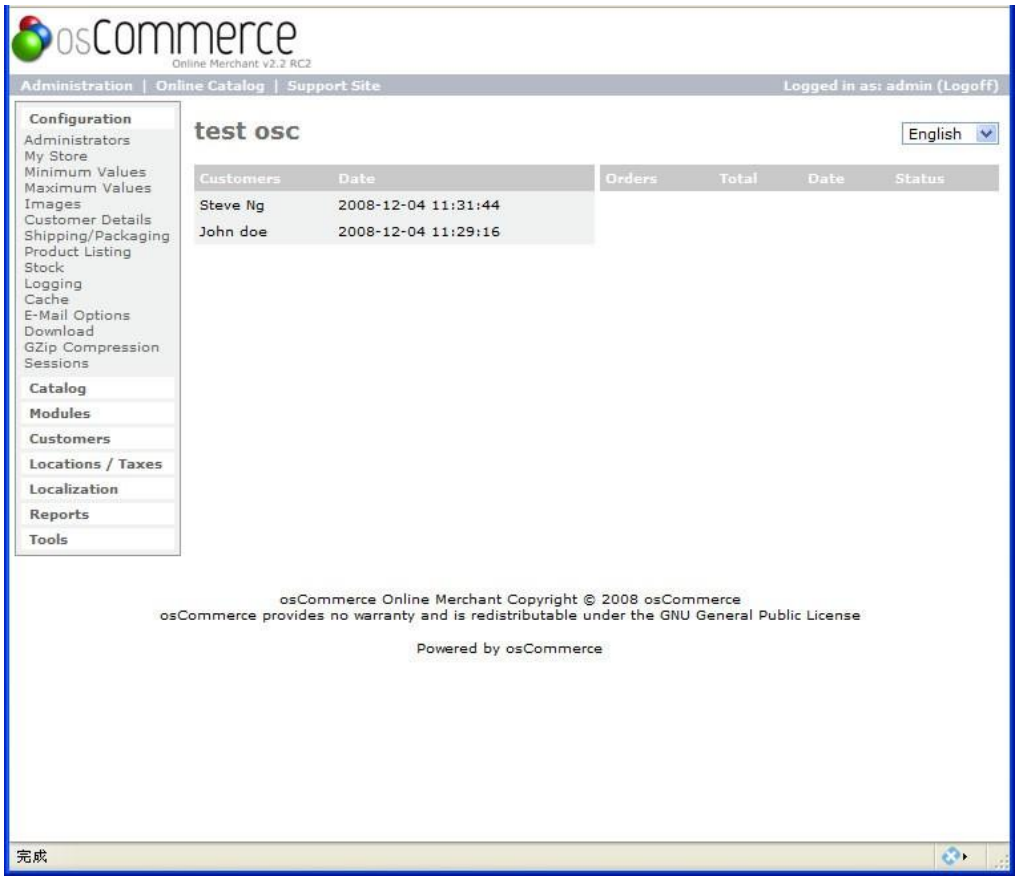
To use the pay by credit card function in osCommerce, configuration has to be done in the administrative tool to enable the pay by credit card payment module.

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:



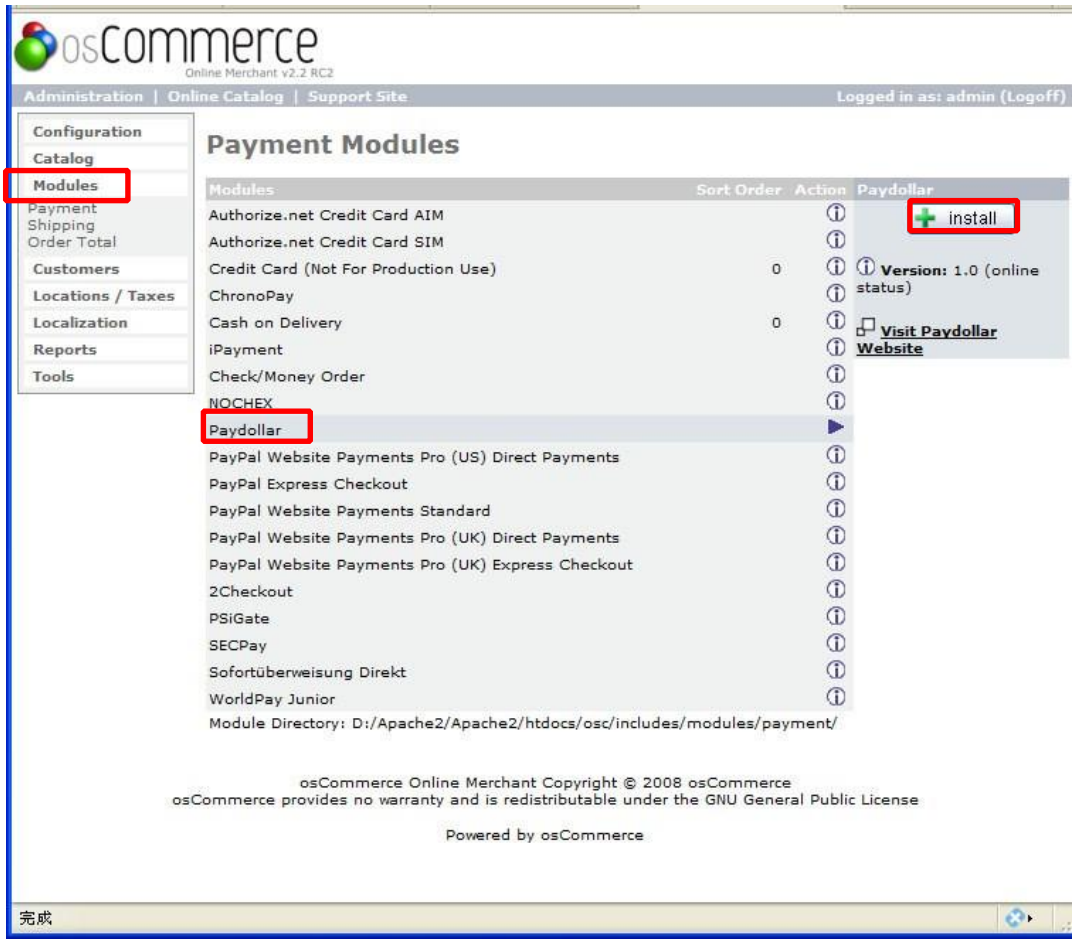
2. Choose Modules option

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:



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.

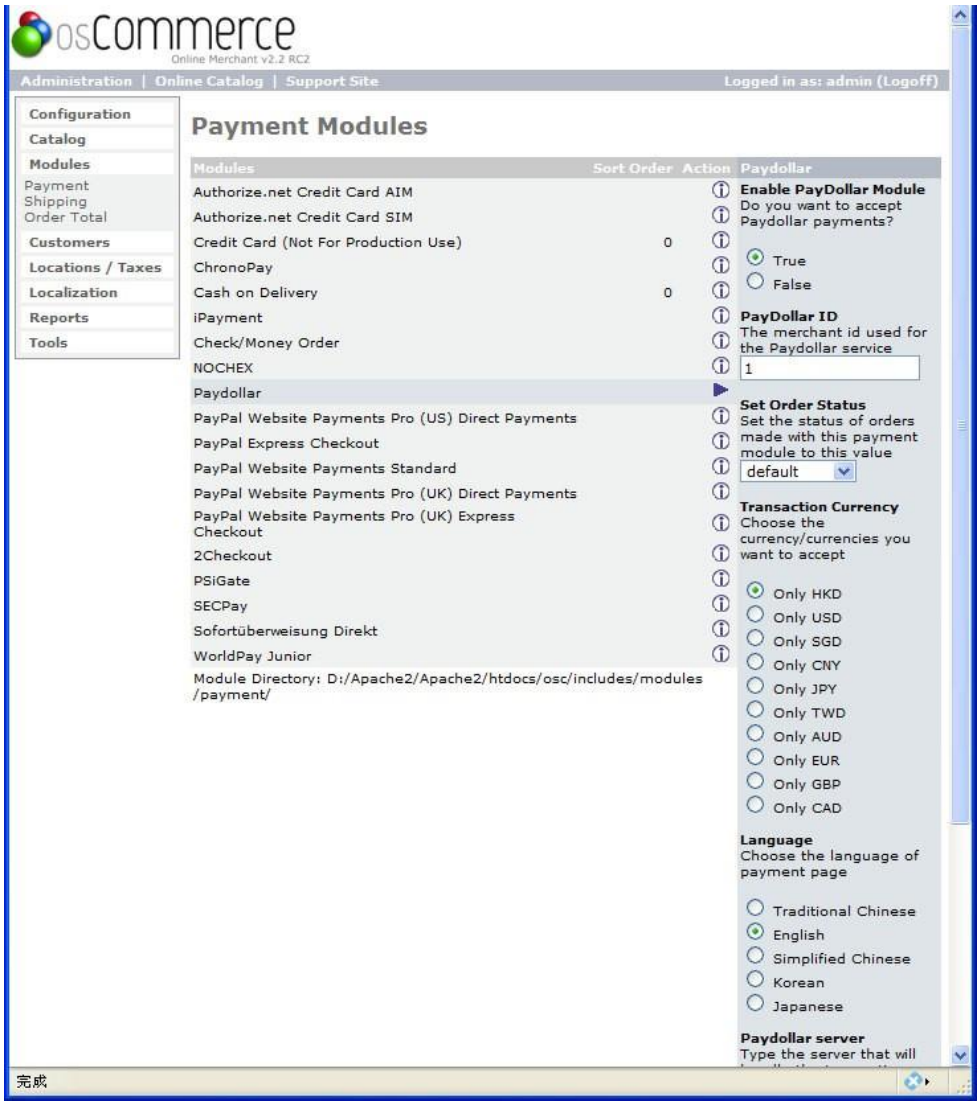
Configure Paydollar Module

To connect osCommerce to Paydollar payment page, it is needed 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. Click “True” under “Enable PayDollar Module”.

2. Configure Paydollar module



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. This is given by PayDollar.
- Secure Hash Secret: Optional. The secret key for the secure hash functionality – Please check with PayDollar/PesoPay/SiamPay.
- Pay Type: If you prefer N (Sale) or H (Authorize) - Depends on the merchant account
- Transaction Type: Optional. Suitable transaction type. Goods/ Service Purchase is the Default value if transaction type not provided.
  - "01" – Goods/ Service Purchase * Default value if threeDSTransType not provided.
  - "03" – Check Acceptance
  - "10" – Account Funding
  - "11" – Quasi-Cash Transaction
  - "28" – Prepaid Activation and Load
- Challenge Preference: Optional. Indicates whether a challenge is requested for the transactions in 3DS2.0. * If "No challenge requested" options are selected, the chargeback liability shift to merchant.
  - "01" – No preference * Default value if threeDSChallengePreference not provided.
  - "02" – No challenge requested *
  - "03" – Challenge requested (Merchant preference)
  - "04" – Challenge requested (Mandate)
  - "05" – No challenge requested (transactional risk analysis is already performed) *
  - "06" – No challenge requested (Data share only)*
  - "07" – No challenge requested (strong consumer authentication is already performed) *
  - "08" – No challenge requested (utilise whitelist exemption if no challenge required) *
  - "09" – Challenge requested (whitelist prompt requested if challenge required)

Definition of Parameters in the Integration Page

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

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 eed 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

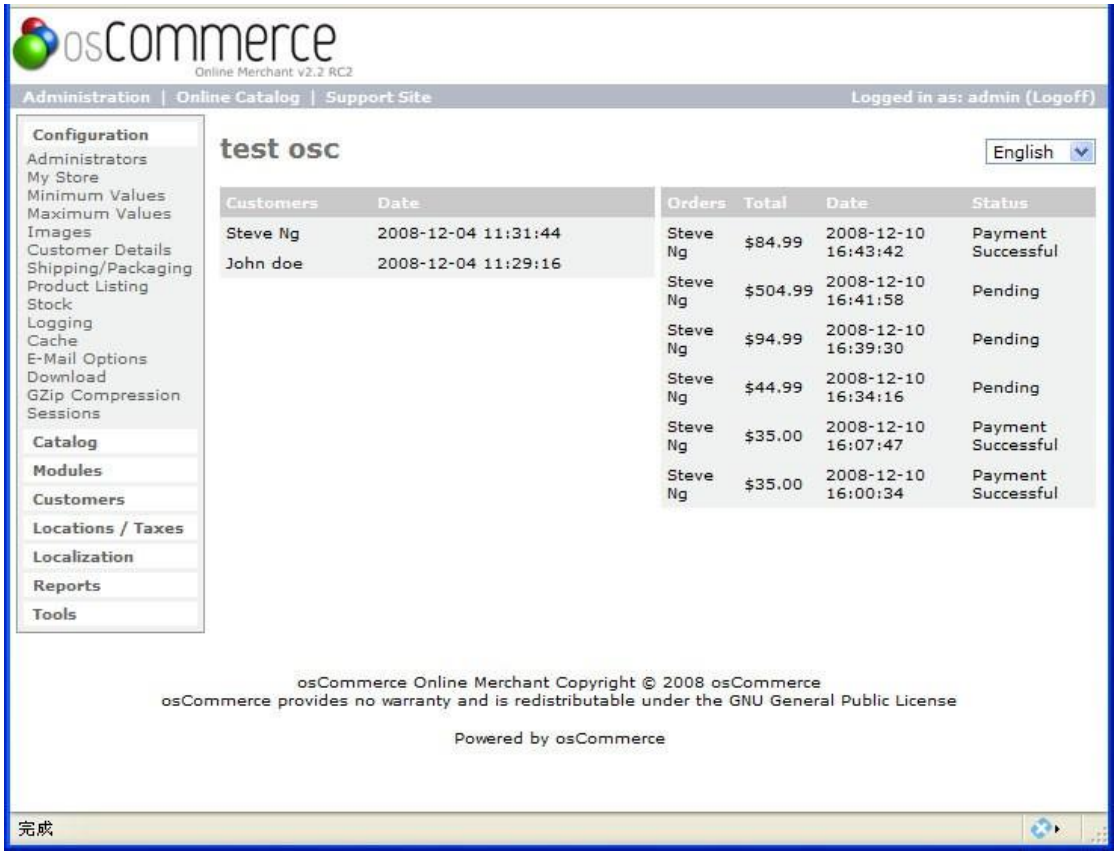
"Payment Failed" – Transaction is rejected

"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:



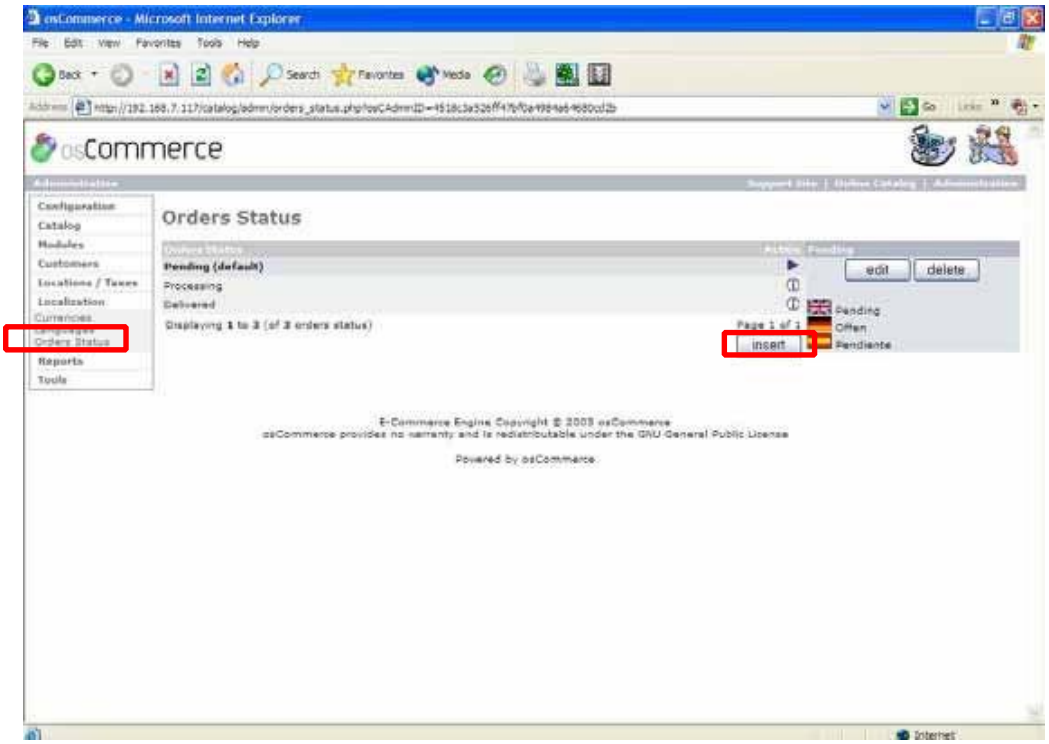
2. Choose Localization option

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:

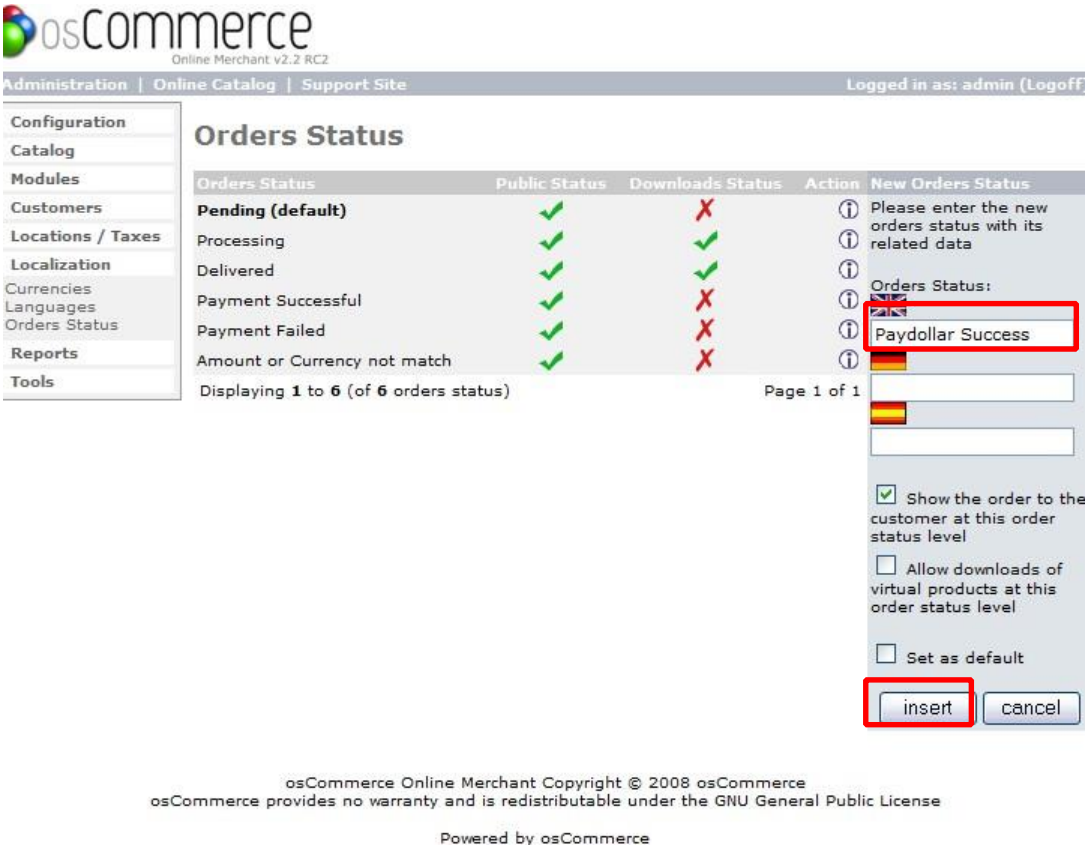


4. Insert new orders status – Payment Success

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.

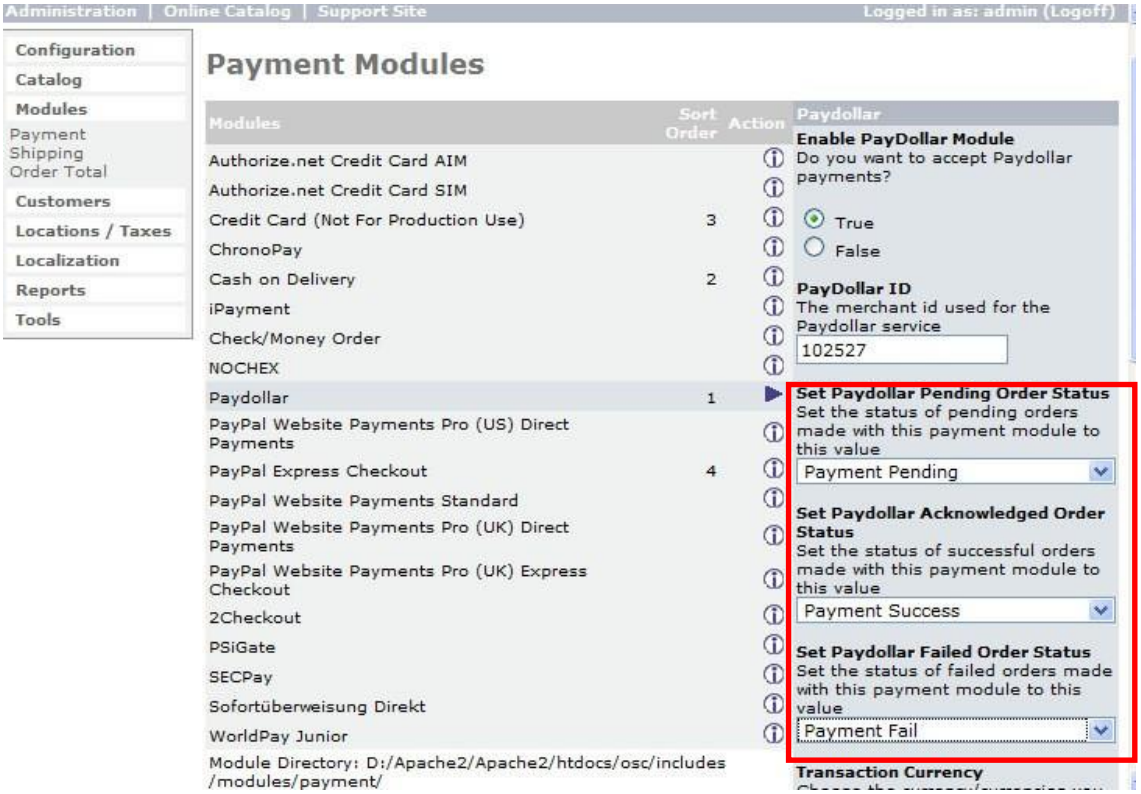


5. Insert new orders status – Payment Fail, Payment Pending

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.

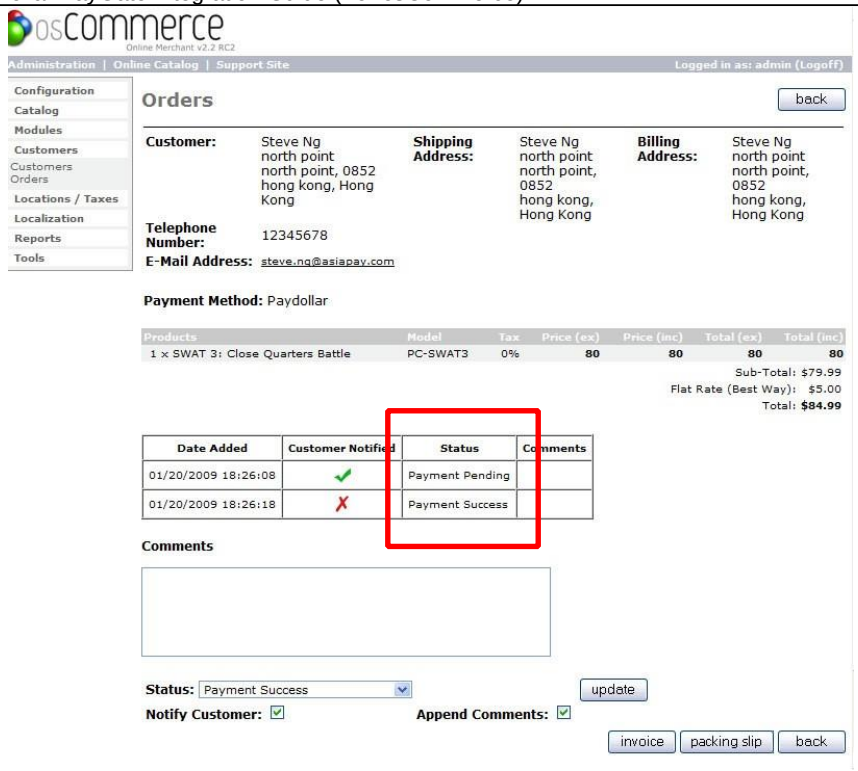
6. Update Paydollar Module to use newly-added order statuses



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.



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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