

Installation:

First...**BACKUP YOUR DATABASE!**

To install, upload the two new files to your site into the proper locations:

catalog/includes/modules/payment/gge4_cc_aim.php

catalog/includes/languages/english/modules/payment/gge4_cc_aim.php

Once uploaded, login install the module from your OsCommerce Administration, the following pages will help with the settings. Be sure to set up a demo account with First Data in order to test this module, use at your own risk. For test credit card numbers and a plethora of other info, go to firstdata.zendesk.com.

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

Payment + Install Module (47)

Modules	Sort Order	Action
First Data GGe4 Credit Card AIM	0	

Module Directory:

+ Configuration

+ Catalog

— Modules

- Action Recorder
- Boxes
- Dashboard
- Header Tags
- Order Total
- Payment
- Shipping
- Social Bookmarks

+ Customers

+ Locations / Taxes

+ Localization

+ Reports

+ Tools

Enable GGe4 Credit Card AIM

Do you want to accept GGe4 Credit Card AIM payments?

☒ True
☐ False

Transaction Mode

Perform transactions on the live or demo server. The demo settings should only be used by developers with First Data demo test accounts.

☒ Live
☐ Test

Gateway ID

The Gateway ID used for the GGe4 E-Commerce Transactions

Gateway Password

The Gateway password to authorize payments

Transaction Key

The Gateway Transaction Key to authorize payments

MD5 Hash

The MD5 hash value to verify transactions with

Demo Gateway ID

DEMO ACCOUNT: The Gateway ID used for the GGe4 E-Commerce Transactions

Demo Gateway Password

DEMO ACCOUNT: The Gateway password to authorize payments

Demo Transaction Key

DEMO ACCOUNT: The Gateway Transaction Key to authorize payments

Demo MD5 Hash

DEMO ACCOUNT: The MD5 hash value to verify transactions with

Payment Zone

If a zone is selected, only enable this payment method for that zone.

--none--

Set Order Status

Set the status of orders made with this payment module to this value

default

Sort order of display.

Sort order of display. Lowest is displayed first.

0

Select true to enable →

Select test or live status, "Live" will send transactions to the live server, "Test" will send transactions to the demo server, be sure this setting is correct and the proper fields entered below or it will not work! →

Live Account Gateway ID - see next page, can be left blank while testing →

Live Account Gateway Password - see next page, can be left blank while testing →

Live Account API Key ID - see next page, can be left blank while testing →

Live Account HMAC Key - see next page, can be left blank while testing →

Demo Account Gateway ID - see next page, can be left blank after going live →

Demo Account Gateway Password - see next page, can be left blank after going live →

Demo Account API Key ID - see next page, can be left blank after going live →

Demo Account HMAC Key - see next page, can be left blank after going live →

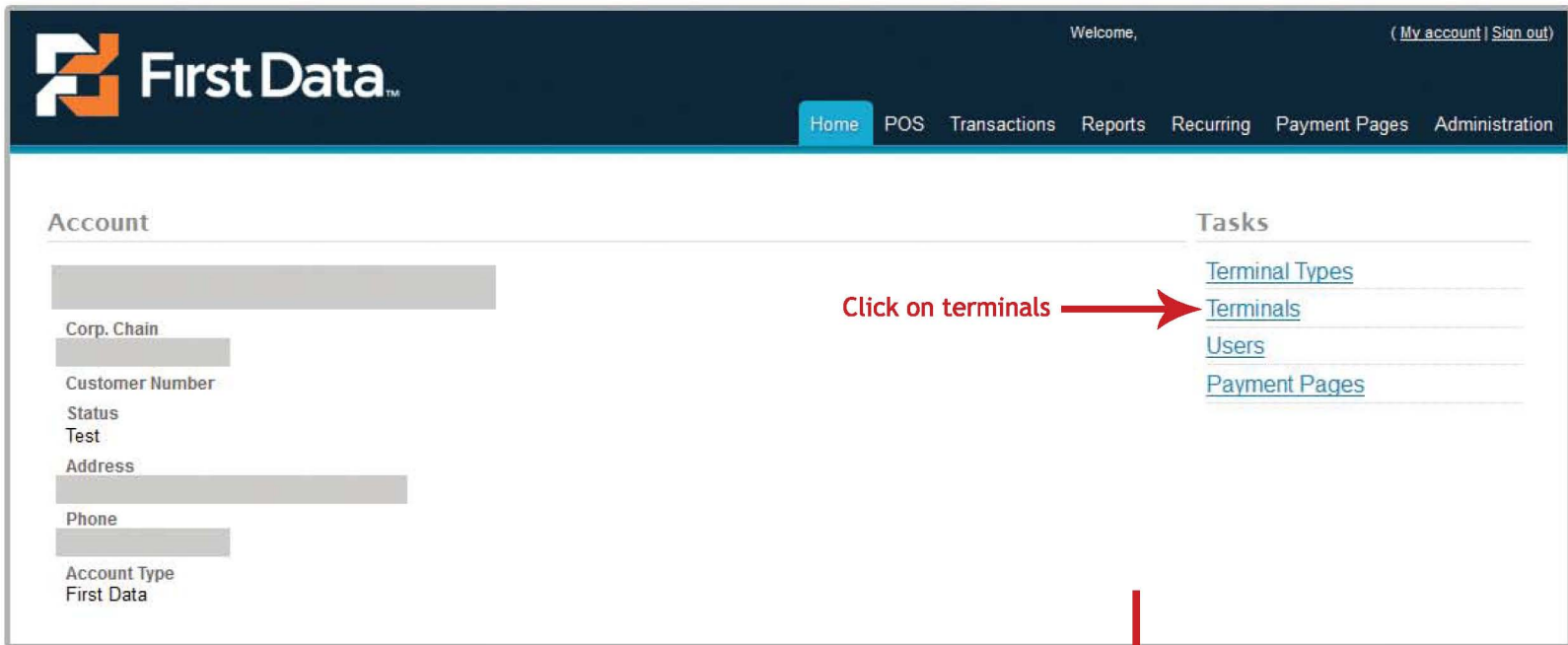
If you are installing this module, I would assume you have an account already with First Data, but if not you can go to their site at:

http://www.firstdata.com/en_us/home.html

Sign up for a First Data Demo Account at:

<https://firstdata.zendesk.com/entries/21510561-first-data-global-gateway-e4sm-demo-accounts>

Here is what you will see once logging into First Data (note the demo account and live accounts are the same, after complete testing with your demo account, use the same settings for your live account the images below are from a demo account).



The image shows the First Data account overview page. The header includes the First Data logo, a welcome message, and links for '(My account | Sign out)'. The navigation bar contains links for Home, POS, Transactions, Reports, Recurring, Payment Pages, and Administration. The main content area is divided into two sections: 'Account' and 'Tasks'. The 'Account' section displays various fields: Corp. Chain, Customer Number, Status (Test), Address, Phone, and Account Type (First Data). The 'Tasks' section lists links for Terminal Types, Terminals, Users, and Payment Pages. A red arrow points from the 'Terminals' link to the second screenshot.

Account

Corp. Chain

Customer Number

Status
Test

Address

Phone

Account Type
First Data

Tasks

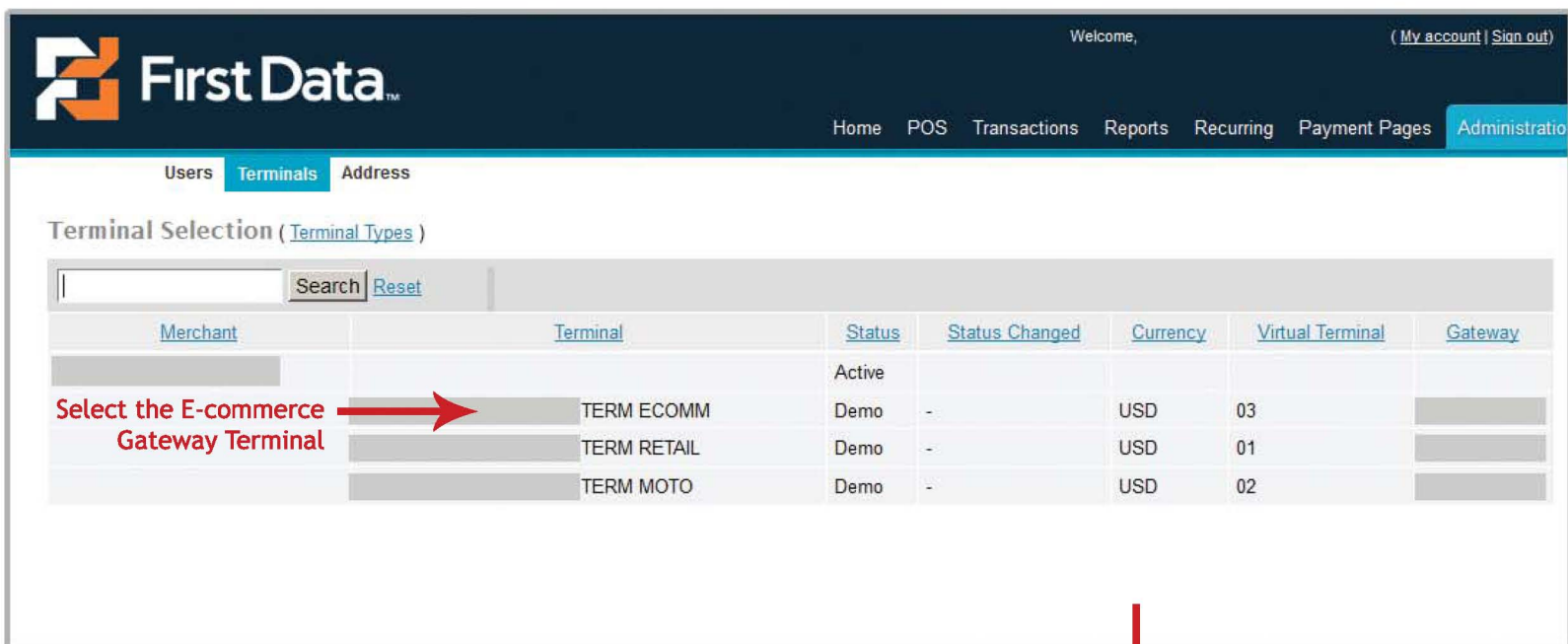
[Terminal Types](#)

[Terminals](#)

[Users](#)

[Payment Pages](#)

Click on terminals →



The image shows the First Data terminal selection page. The header is identical to the first screenshot. The navigation bar now has 'Administration' highlighted. Below the navigation bar, there are tabs for 'Users', 'Terminals', and 'Address', with 'Terminals' selected. The main content area is titled 'Terminal Selection (Terminal Types)' and includes a search bar with 'Search' and 'Reset' buttons. Below the search bar is a table with columns: Merchant, Terminal, Status, Status Changed, Currency, Virtual Terminal, and Gateway. The table lists three terminal types: TERM ECOMM, TERM RETAIL, and TERM MOTO, all with a status of 'Demo'. A red arrow points from the 'Select the E-commerce Gateway Terminal' text to the 'TERM ECOMM' row. Another red arrow points from the bottom of this screenshot to the next step.

Terminal Selection (Terminal Types)

Search Reset

Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
	TERM ECOMM	Demo	-	USD	03	
	TERM RETAIL	Demo	-	USD	01	
	TERM MOTO	Demo	-	USD	02	

Select the E-commerce Gateway Terminal →

Terminal Selection ([Terminal Types](#))

<input type="text"/>	Search Reset					
Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
		Active				

Terminal: Ellie's Edibles DEMO0542 TERM ECOMM

[Details](#) [Restrictions](#) [AVS Filters](#) [CVV2 Filters](#) [Velocity controls](#) [PayPal](#) [3-D Secure](#) [API Access](#)

Account

Description

 TERM ECOMM

Currency

 USD

Credit Cards



Terminal Code

Gateway ID

 XXXXXX-XX

← Your Gateway ID

DivisionID

MID

Transarmor Token

Time Zone

 Eastern Daylight Saving Time / EDT - 705

Cut-Off Time

 After Midnight on the Reporting Day

 00 : 00 (24 Hour Clock)

Password

[Generate](#)

← Choose or generate your Gateway Password

Password should contain only letters, numbers, dashes (-), underscores (_), and must contain at least one letter and one number.

Status

 Demo

Type

 E-Commerce Transaction (CVV2)

← Choose CVV2 for using CVC/CVV payment fields, otherwise gateway will not check for this when the payment info is submitted

Language

 English

☐ Allow Soft Descriptors.

 [Cancel](#)

← Always update if you have made any changes

Terminal Selection ([Terminal Types](#))

Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
		Active				

Terminal: **TERM ECOMM**
[Details](#) [Restrictions](#) [AVS Filters](#) [CVV2 Filters](#) [Velocity controls](#) [PayPal](#) [3-D Secure](#) [API Access](#)

Reject	Code	Description
<input type="checkbox"/>	Y	Street Address, and 5 digit ZIP Code match
<input checked="" type="checkbox"/>	A	Street Address matches, ZIP Code does not
<input type="checkbox"/>	W	ZIP Code matches, Street Address does not
<input type="checkbox"/>	Z	5 digit ZIP Code match only
<input checked="" type="checkbox"/>	N	No Address or ZIP Code match
<input type="checkbox"/>	U	Address information is unavailable for that account number, or the card issuer does not support AVS
<input type="checkbox"/>	G	Non-US Issuer does not participate
<input type="checkbox"/>	D	System unavailable, contact...

Choose your AVS filters. To test the transaction on the demo gateway, submit the payment with the billing address having the AVS rejection letter code first, i.e.:
1629 W Thomas Ave --> change to A1629 W Thomas Ave
 (when submitted as the billing address while testing on demo gateway and you have rejection on AVS code A, it will decline transaction)

Terminal Selection ([Terminal Types](#))

Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
		Active				

Terminal: **TERM ECOMM**
[Details](#) [Restrictions](#) [AVS Filters](#) [CVV2 Filters](#) [Velocity controls](#) [PayPal](#) [3-D Secure](#) [API Access](#)

Reject	Code	Description
<input checked="" type="checkbox"/>	N	CVV2 does not match
<input checked="" type="checkbox"/>	P	Card expiration not provided or card does not have valid CVD code
<input type="checkbox"/>	S	Merchant indicated that CVV2 is not present on card
<input type="checkbox"/>	U	Card issuer is not certified and/or has not provided visa encryption keys
<input checked="" type="checkbox"/>	I	CVV2 code is invalid or empty

Choose your CVV filters here, these will only return errors if you selected Type as "E-Commerce Transaction (CVV2)", see previous page

Terminal Selection ([Terminal Types](#))

Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
		Active				

Terminal: **TERM ECOMM**

[Details](#)
[Restrictions](#)
[AVS Filters](#)
[CVV2 Filters](#)
[Velocity controls](#)
[PayPal](#)
[3-D Secure](#)
[API Access](#)

Key id

xxxxxx

Transaction Key

Created by

Hmac key

[Generate New Key](#)

Generate your HMAC key, copy it after generating before hitting update below, or you will have to do it again. If you generate a different key later, be sure to change the module settings to the new key.

HMAC Signature Calculator

Time

2013-06-28T02:57:42Z

Optionally replace the current time above with the value of the X-GGE4-Date header.

HMAC Key

Defaults to currently saved key.

Request URI

/transaction/v12

This module is based on Version 12

Request Method

POST

Make sure request method is POST

Request Content Type

SOAP

Make sure request type is SOAP

Content

Paste the exact **body** of your API request here, i.e. excluding headers.

Content Digest

Paste the value of the 'X-GGE4-CONTENT-SHA1' header here, or leave blank and it will be calculated from the content.

HMAC

Note

The HMAC is calculated with the SHA-1 algorithm on the following:

Request Method + \n
 + Content-type + \n
 + Content Digest (SHA-1) + \n
 + Sending Time + \n
 + Request URL

The sending time is expressed in ISO 8601 format, e.g: 2012-09-21T00:50:09Z.

[Cancel](#)