



LiteCommerce CardinalCommerce module

Version 2.1

Reference manual

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Introduction

LiteCommerce CardinalCommerce add-on module provides integration of **Cardinal Centinel** payment authentication platform into your LiteCommerce shopping system. Cardinal Centinel platform is intended for securing electronic commerce; enabling consumers, merchants, credit/debit card issuers and processors to conduct fully authenticated Internet-based e-commerce transactions, while protecting those transactions from fraud. It helps to eliminate excessive processing fees and merchant charge-backs related to fraudulent online transactions.

This manual will guide you through **CardinalCommerce add-on module** installation, setup and maintenance procedures.

1. Administrator Zone

1.1 System Requirements

To successfully install **CardinalCommerce add-on module** version 2.1 your shopping system requires **LiteCommerce shopping cart software version 2.1 Service Pack 1** or later to be installed.

a. HTTPS settings

Prior to installing the module, make sure that your LiteCommerce installation has **correct HTTPS settings**. To check your HTTPS settings, choose the **'General Settings'** section in the **'Settings'** menu and click on the **'Security'** tab. Make sure that HTTPS client selected is the one that is installed on your system. If you are not sure which HTTPS client your system is using, choose *'Autodetect'*. If your settings are correct, the **'Trying to access the shop at ...'** check-up will result in *'Success'* (Figure 1).

Admin menu :: General Settings

General Company Email Security

Turn on HTTPS for customer's zone (login, checkout, profile, orders):

Turn on HTTPS for administrator's zone:

HTTPS client (used for integration with payment/shipping services): Autodetect

Submit

Trying to access the shop at
https://www.example.com/cart.php?XSID=d7215cf4cd7b6377339984f15115bd30
...
Success

Figure 1: Checking HTTPS settings

b. Payment processor settings

In order to employ the CardinalCommerce functionality, a supported payment processor must be configured on your LiteCommerce system. At the current moment CardinalCommerce module supports AuthorizeNet and VeriSign credit card payment gateways.

AuthorizeNet

You must have **AuthorizeNet add-on module** version 2.2 or higher in order to use it in conjunction with the **CardinalCommerce module**. Make sure AuthorizeNet credit card payments option is activated. In the **'Payment methods'** section of the **'Setting'** menu, place a checkmark against the payment method with `'authorizenet_cc'` ID and click on the **'Update'** button (Figure 2). If you haven't yet configured the **AuthorizeNet add-on module**, click on the **'Configure'** link to the right from the payment method record to proceed to AuthorizeNet configuration screen.

ID	Method	Special instruction	Pos.	Active
credit_card	Credit Card	Visa, Mastercard, American Express	10	<input type="checkbox"/>
authorizenet_cc	Credit Card	Visa, Mastercard, American Express	10	<input checked="" type="checkbox"/> ▶ Configure

...

Figure 2: Payment method settings

VeriSign

If you are going to use VeriSign payment processor, you must have **VeriSign add-on module** version 2.4 or higher installed on your system. Make sure VeriSign credit card payments option is activated. In the **'Payment methods'** section of the **'Setting'** menu, place a checkmark next to the payment method with `'verisign_cc'` ID and click on the **'Update'** button. If you haven't yet configured the **VeriSign add-on module**, click on the **'Configure'** link to the right from the payment method record to proceed to VeriSign configuration screen.

c. CardinalCommerce registration

In order to use the module, you must hold a valid Cardinal Commerce registration. You can register at the following web address: https://billing.cardinalcommerce.com/centinel/registration/xcart_landing.asp. During the registration process, CardinalCommerce will provide you with '**ProcessorID**', '**MerchantID**' and '**TransactionURL**', which are required to correctly configure the CardinalCommerce module.

1.2 Installing the Module

Select the **'Modules'** section in the **'Settings'** menu of the Administrator Zone. The list of currently installed modules will appear. To install a module (**CardinalCommerce** in our case) click on the **'Browse...'** button, select the module's **'.tar'** file and click on the **'Install'** button to add the module to your store setup (Figure 3).



Install new module

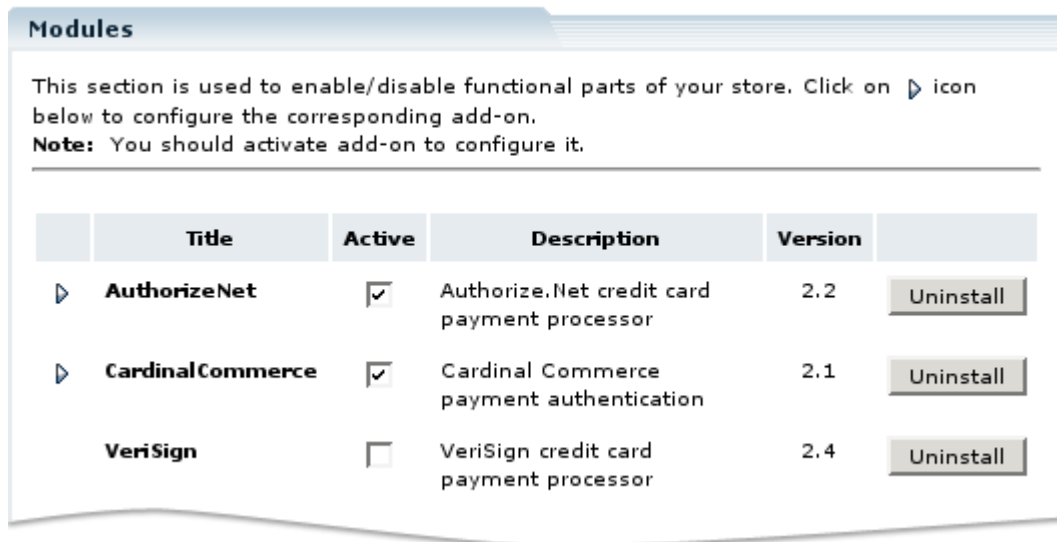
Select module .tar file: Browse...

Install

Figure 3: New module installation

'CardinalCommerce' module will appear in the list (Figure 4); it will be activated automatically.

Admin menu :: Modules



Modules

This section is used to enable/disable functional parts of your store. Click on ▶ icon below to configure the corresponding add-on.
Note: You should activate add-on to configure it.

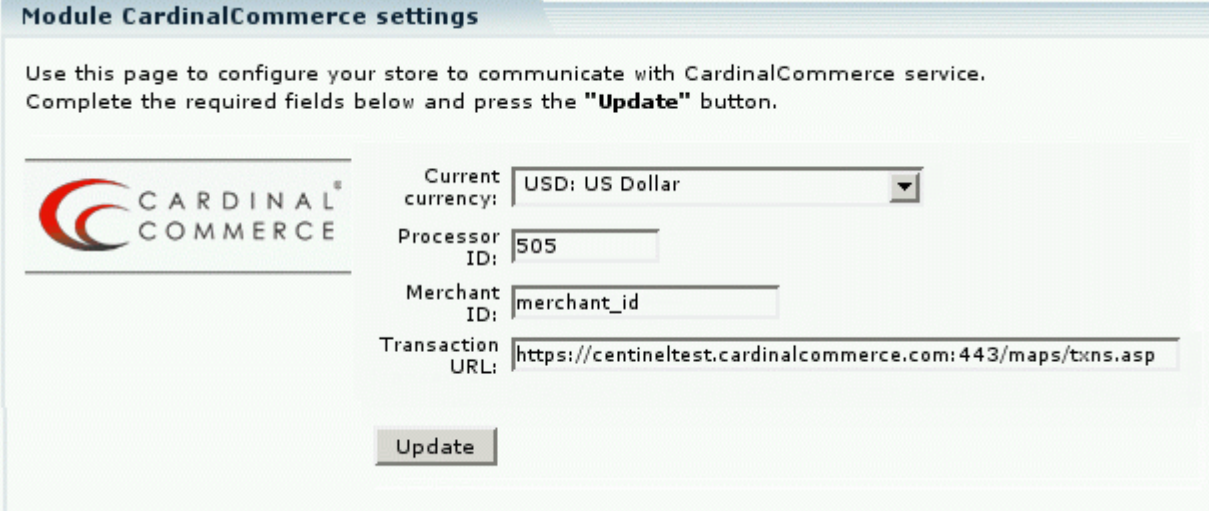
	Title	Active	Description	Version	
▶	AuthorizeNet	<input checked="" type="checkbox"/>	Authorize.Net credit card payment processor	2.2	Uninstall
▶	CardinalCommerce	<input checked="" type="checkbox"/>	Cardinal Commerce payment authentication	2.1	Uninstall
	VeriSign	<input type="checkbox"/>	VeriSign credit card payment processor	2.4	Uninstall

Figure 4: CardinalCommerce module installed

To deactivate the module, unselect the **'Active'** check box against the module title and click on the **'Update'** button. To completely uninstall the module, click on the **'Uninstall'** button.


1.3 Configuring the Module

After you have successfully installed the **CardinalCommerce** module, it must be configured to communicate with CardinalCommerce service. In the **'Modules'** section click on the **'CardinalCommerce'** module link to enter the module's settings page (Figure 5).



Module CardinalCommerce settings

Use this page to configure your store to communicate with CardinalCommerce service. Complete the required fields below and press the **"Update"** button.



Current currency:

Processor ID:

Merchant ID:

Transaction URL:

Figure 5: Configuring CardinalCommerce module

Specify the **'Current currency'** of your store transactions, **'Processor ID'**, **'Merchant ID'** and **'Transaction URL'** provided to your store by CardinalCommerce. Click on the **'Update'** button to save the changes.

1.4 Processing Orders

In the 'Orders' section of the Administrator Zone the orders approved by CardinalCommerce have the following payment details (Figure 6):

Payment method	
Delivery	Credit Card
Delivery	National shipping
Subtotal	\$ 419.50
Shipping cost	\$ 0.00
Tax	\$ 0.00
Total	\$ 419.50
▶ Print invoice	
Status:	Processed ▼
Cardinal Commerce Response:	CMPI Result: Successful authentication. Cardholder
Authorize.Net Transaction ID:	0
CW message:	
AVS message:	AVS not applicable for this transaction
Error:	

Figure 6: Authorize.Net transaction approved by CardinalCommerce

If CardinalCommerce does not approve a transaction, the order will be marked as 'Failed' and payment details will look like shown in Figure 7:

Payment method	
Delivery	National shipping
Subtotal	\$ 41.95
Shipping cost	\$ 0.00
Tax	\$ 0.00
Total	\$ 41.95
▶ Print invoice	
Status:	Failed ▼
Error:	Failed authentication. Cardholder failed to successfu
Cardinal Commerce Response:	CMPI Error: Failed authentication. Cardholder failed

Figure 7: Transaction rejected by CardinalCommerce

The following errors are possible:

- Authentication could not be completed
- Failed authentication. Cardholder failed to successfully authenticate with their Card Issuer
- Authentication unavailable. Authentication with the Card Issuer was unavailable
- Payment processor declined your order

2. Customer Zone

When **CardinalCommerce module** is installed and activated, customers who checkout using 'Credit Card' payment method are shown a message informing them of the secure checkout procedure (Figure 8).

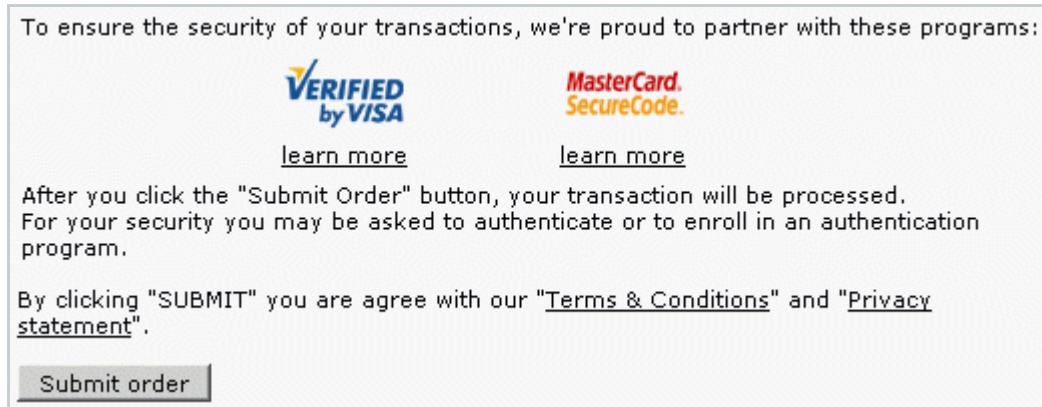


Figure 8: Secure transaction message

They are then redirected to Access Control Server (ACS) for payment authentication. After a successful authentication they return back to the online store, where the order is finalized.

Note: If CardinalCommerce module is deactivated, AuthorizeNet and VeriSign modules continue processing payments in a regular way, without employing Cardinal Commerce functionality.

Terms and Definitions

Administrator: a 'super-user' of the online store system who is privileged to configure the entire store and manage products, customers and orders;

Administrator zone: back office zone where the store administrator can configure, control and monitor store operations, and configure various features of the store;

Customer: a registered store user;

Customer zone: an area at the online store where store customers can manage their profiles and review their orders;

Payment processor: a company that attends to the actual processing of a credit card transaction, to be distinguished from the merchant account bank, which merely acts as the recipient of the transaction;

User: anyone who visits the online store.