



Windcave

Windcave Drupal Commerce 2.x Module

Version 2.1

Copyright

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Document Revision Information and Amendments

All amendments are to be identified and the manual updated, noting the amendment on this amendment page.

| Version | Date | Section | Revision Information | Amended by |
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Related Documents

| Document title | Link/Location |
|----------------|---------------|
| | |

Contents

| | | |
|-------|---|----|
| 1 | Overview..... | 4 |
| 1.1 | Introduction | 4 |
| 1.2 | Features | 4 |
| 1.3 | Getting Started | 5 |
| 1.3.1 | Windcave Account..... | 5 |
| 2 | Installation & Configuration..... | 6 |
| 2.1 | Installation | 6 |
| 2.2 | Updating the Windcave plugin ZIP package..... | 6 |
| 2.3 | Site Settings..... | 7 |
| 2.4 | Configuration..... | 8 |
| 3 | Using the Module | 10 |
| 3.1 | Customers | 10 |
| 3.2 | Merchants..... | 11 |
| 3.2.1 | Processing a Refund..... | 11 |
| 3.2.2 | Completing an Order | 12 |
| 3.2.3 | Processing Voids..... | 13 |
| 3.2.4 | Viewing Transaction Details..... | 14 |
| 4 | Support..... | 15 |

1 Overview

1.1 Introduction

The Windcave Drupal Commerce 2.x Module enables merchants with either Drupal Commerce 8.x.2x or 3.x to accept payments securely via the Windcave payment gateway.

1.2 Features

The Windcave module utilizes a secure Gateway Hosted Payment Page integration method (redirection & iframe) and supports the below transaction types:

- Purchase
- Authorization
- Refund (partial or full refund)
- Complete (full complete)
- Void

Multiple supported Payment Methods:

- Account2Account
- Alipay
- Apple Pay
- Card
- Google Pay
- Interac
- Humm
- PayPal
- Visa Checkout
- Union Pay
- WeChat Pay

Additional features supported by the Windcave module:

- 3D Secure (where supported by acquirer)
- Token creation, storage and re-billing
- Fail Proof Result Notification
- Risk Management
- Address Verification System (AVS)

The below transaction result fields are saved in the merchant's web site for reference:

- Auth Code
- Cvc2 result
- ReCo (response code) and Response text
- AVS Result and Action
- Risk Management Summary and Action

If you have any questions about supported features, please contact the Windcave Sales team at sales@windcave.com.

1.3 Getting Started

To begin using the Windcave Drupal Commerce 2.x Module you will need to meet the below requirements:

| |
|--|
| Drupal 8, 9, 10, 11 or Drupal CMS 1.x, 2.x |
|--|

| |
|------------------------------|
| Drupal Commerce 8.x.2 or 3.x |
|------------------------------|

Note: Drupal 7 has past its support end of life.

See the Drupal website for details. <https://www.drupal.org/about/drupal-7/d7eol/partners>

1.3.1 Windcave Account

A live or test Windcave account is required to utilize the Windcave Drupal Commerce 2.x module. To setup a new account contact the sales team for a quote - <https://www.windcave.com/contact-us>.

Merchants with an existing account, visit <https://sec.windcave.com/pxmi3/logon> and sign in using your Payline credentials. Once signed in select the **User Accounts** → **My User** screen to access your username and Restful API key.

2 Installation & Configuration

2.1 Installation

1. Download the Windcave Commerce module .zip from the [Windcave website](#) and place it in your artifact directory.
2. Use Composer to install the module. For example, if your artifact directory containing the Windcave zip file is located at /opt/drupal/incoming, the commands from your project root command line would be:

```
composer config "repositories.windcave" artifact /opt/drupal/incoming
composer require drupal/commerce_windcave
```

3. In your admin, select the checkbox next to Commerce Windcave, then click the **Install**

^ Commerce (contrib)

Commerce Windcave ^ Implements Windcave payment services for use with Drupal Commerce.

Machine name: commerce_windcave
Version: 8.x-2.0
Requires: Commerce Payment, Commerce, Address, Field, Entity, Inline Entity Form, Token, Datetime, Views, Filter, User, System, Commerce Order, Commerce Price, Commerce Store, Options, Text, Path, Path alias, Commerce Number Pattern, Entity Reference Revisions, Profile, State Machine

Permissions

Install

4. Proceed to **Site Settings**.

2.2 Updating the Windcave plugin ZIP package

Best practise is to keep the Windcave plugin updated with the latest version available to ensure your site has the latest fixes and improvements. To update an installed Windcave plugin zip package with the latest zip package follow the installation process; replace the old ZIP file in your Composer artifact directory, update your Composer configuration if needed, and run:

```
composer update drupal/commerce_windcave
```

2.3 Site Settings

The Drupal site settings for path to private file **must** be configured correctly.

Follow the steps below:

1. Locate settings.php: The private file system path is configured within the settings.php file of your Drupal installation. This file is typically found at sites/default/settings.php.
2. Uncomment and Set the Path: Search within settings.php for the line:

```
# $settings['file_private_path'] = '';
```

Uncomment this line and set the path to your desired private directory.

 - a. Absolute Path: The path must be absolute and, for enhanced security, is ideally located outside of your web root directory.
 - b. Example (outside web root): If your web root is /var/www/html/example.org/web, a private path could be

```
$settings['file_private_path'] = '/var/www/html/example.org/private';
```
3. Create the Directory: Ensure that the directory specified in `$settings['file_private_path']` exists on your server and has the correct permissions, allowing the web server to write to it.
4. Clear Cache: After making changes to settings.php, clear your Drupal cache to ensure the new setting is recognized, e.g. `drush cache:rebuild`

2.4 Configuration

1. Log in to your Drupal admin portal using your admin credentials.
2. From the navigation menu navigate to **Commerce -> Configuration -> Payment -> Payment gateways**.



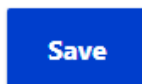
3. Select the **Add payment gateway** button.



4. Configure your Windcave account settings and preferences:

| Setting | Description |
|---------------------|--|
| Name | Display name for payment gateway configuration |
| Plugin | Plugin integration type, should be set to Windcave HPP to utilize the Windcave Hosted Payment Page |
| Display name | Name to be displayed to customer when selecting payment method |
| API url | The root URL of the Windcave Restful API; for the live site this should be set to: https://sec.windcave.com/api/v1 |
| API username | Windcave Restful API username |
| API key | Windcave Restful API key |
| Display as popup | Sets if payment window should be displayed as iFrame (Enabled) or redirection (Disabled) |
| Popup height | Sets height of the popup iFrame payment window |
| Popup width | Sets width of the popup iFrame payment window |
| Enable saving cards | If enabled the card holder will be able to save cards and pay using a saved card |
| Payment options | Allows the merchant to filter enabled payment options on the Hosted Payment Page Note: Payment options selected must be configured at Windcave on your merchant account to function |
| Conditions | Conditions that control when payment gateway option is made available to customer, by default no restrictions are applied |
| Status | Enables or Disables module |

5. Once all settings and preferences have been updated click the **Save** button



6. To configure the module for Purchase or Auth payment types navigate to **Commerce -> Configuration -> Orders -> Checkout flows**.

Select **Edit** on the checkout flow.

| Checkout flow | ID | Operations |
|----------------|---------|---------------|
| Checkout flows | default | Edit ▼ |

Locate the **Payment process** item in the checkout flow and click the gear symbol.

Payment

Payment process

Transaction mode: Authorize and capture



Select your chosen transaction mode (Authorize and capture = Purchase; Authorize only = Auth/Complete) and press **Update**.

Payment

Payment process

Transaction mode

Authorize and capture

Authorize only (requires manual capture after checkout)

This setting is only respected if the chosen payment gateway supports authorizations.

Update **Cancel**

Transaction mode should be configured for all applicable checkout flows.

After updating select the **Save** button at the bottom of the page.

Save

3 Using the Module

3.1 Customers

Customers can choose to pay using the Windcave module when they proceed through the checkout. Depending on the merchant's Windcave module configuration a "Purchase" or "Authorisation" will be initiated.

Payment information

Proceed with a saved card
 Proceed without using any saved cards

Select card:
41111.....11 Expiry Date: 09/29 ▼

Select an address
123 Test Street ▼

John Smith
123 Test Street
Test
Auckland 1010
New Zealand

[Edit](#)

[Continue to review](#)

During checkout if **Enable saving cards** module setting is enabled customers may opt to save the payment card for future payments by checking the "Save card for future purchases" checkbox. Alternatively, if the customer already has a saved card this may be selected to process the payment.

Customers can view or delete saved cards by navigating to **My account -> Windcave Saved Cards** once signed into the merchant website.

| | | | | | |
|----------------------|---------------------------------|----------------------------------|---|----------------------|------------------------|
| View | Payment methods | Pending payments | Windcave saved cards | Edit | Orders |
|----------------------|---------------------------------|----------------------------------|---|----------------------|------------------------|

[Home](#) > [JohnS](#)

Windcave saved cards

| Date | Card number | Expiration | Operations |
|--------------------|--------------|------------|------------------------|
| 06/01/2025 - 12:35 | 41111.....11 | 09/29 | Delete |

3.2 Merchants

3.2.1 Processing a Refund

Within the Drupal Commerce admin area merchants can process refunds for orders processed through the Windcave module. To do so merchants simply navigate to the **Commerce -> Orders** page and select the order they wish to refund.

| | | | | | | | |
|--------------------------|--------------------|-----------------------|--------------------------|---|-----------|----------|-------------------------------------|
| <input type="checkbox"/> | 63 | 06/01/2025 - 12:39 | NZ Store | JohnS John.Smith@example.com | Completed | NZ\$3.00 | View ▼ |
|--------------------------|--------------------|-----------------------|--------------------------|---|-----------|----------|-------------------------------------|

Selecting the **Payments** tab in the order will reveal the payment details processed through the Windcave module. Merchants can then press the **Refund** button to start the refund process.

Home > Administration > Commerce > Orders > Order 63

Payments ☆

[View](#) [Edit](#) [Windcave transactions](#) [Payments](#)

[+ Add payment](#)

| Payment | State | Payment gateway | Authorized | Completed | Remote ID | Operations |
|-----------------------------------|-----------|-----------------------------|-----------------------|-----------------------|------------------|------------------------|
| NZ\$3.00 Refunded: NZ\$0.00 | Completed | WindcaveUAT | 06/01/2025 - 12:39 | 06/01/2025 - 12:51 | 0000000400cffee5 | Refund |

Then enter the amount they would like to refund (this can be a partial refund or full refund; merchants can refund multiple times up to the total transaction amount) and press the **Refund** button.

Amount*

 NZD

Format: 9.99

[Refund](#)

[Cancel](#)

The result of the refund transaction will be displayed in the **Windcave transactions** tab of the order.

Home > Administration > Commerce > Orders > Order 63

Windcave transactions ☆

[View](#) [Edit](#) [Windcave transactions](#) [Payments](#)

| Date | Transaction type | Transaction ID | Payment method | Amount | Status | Operations |
|--------------------|------------------|------------------|----------------|--------|----------|----------------------|
| 06/01/2025 - 12:56 | refund | 0000000400cfff08 | card | 3.00 | approved | View |
| 06/01/2025 - 12:51 | complete | 0000000400cffee5 | card | 3.00 | approved | View |
| 06/01/2025 - 12:39 | auth | 0000000400cffe96 | card | 3.00 | approved | View |

3.2.2 Completing an Order

Within the Drupal Commerce admin area merchants can complete orders for Auth type transactions processed through the Windcave module. To do so merchants simply navigate to the **Commerce -> Orders** page and select the order they would like to complete.

| | | | | | | | |
|--------------------------|--------------------|-----------------------|--------------------------|---|-----------|--------------|-------------------------------------|
| <input type="checkbox"/> | 62 | 06/01/2025 - 12:35 | NZ Store | JohnS John.Smith@example.com | Completed | NZ\$1,500.00 | View ▼ |
|--------------------------|--------------------|-----------------------|--------------------------|---|-----------|--------------|-------------------------------------|

Selecting the **Payments** tab in the order will reveal the payment details processed through the Windcave module. Merchants can then press the **Capture** button to start the completion process.

Home > Administration > Commerce > Orders > Order 62

Payments ☆

[View](#) [Edit](#) [Windcave transactions](#) [Payments](#)

[+ Add payment](#)

| Payment | State | Payment gateway | Authorized | Completed | Remote ID | Operations |
|---------------------------------------|---------------|-----------------------------|-----------------------|-----------|------------------|--|
| NZ\$1,500.00 Refunded: NZ\$0.00 | Authorization | WindcaveUAT | 06/01/2025 - 12:35 | | 0000000400cffe7c | Capture ▼ |

Drupal will prompt the merchant to confirm they would like to complete the transaction.

Home > Administration > Commerce > Orders > Order 62 > Payments

Are you sure you want to capture the 1500 NZD payment?

☆

This action cannot be undone.

[Capture](#) [Cancel](#)

The result of the complete transaction will be displayed in the **Windcave transactions** tab of the order.

Home > Administration > Commerce > Orders > Order 62

Windcave transactions ☆

[View](#) [Edit](#) [Windcave transactions](#) [Payments](#)

| Date | Transaction type | Transaction ID | Payment method | Amount | Status | Operations |
|--------------------|------------------|------------------|----------------|---------|----------|----------------------|
| 06/01/2025 - 12:59 | complete | 0000000400cfff21 | card | 1500.00 | approved | View |
| 06/01/2025 - 12:35 | auth | 0000000400cffe7c | card | 1500.00 | approved | View |

3.2.3 Processing Voids

Within the Drupal Commerce admin area merchants can initiate a void for orders where an Auth type transaction was processed through the Windcave module. To do so merchants simply navigate to the **Commerce -> Orders** page and select the order to be voided.

| | | | | | | | |
|--------------------------|--------------------|-----------------------|--------------------------|---|-----------|----------|-------------------------------------|
| <input type="checkbox"/> | 64 | 06/01/2025 - 12:39 | NZ Store | JohnS John.Smith@example.com | Completed | NZ\$1.99 | View ▼ |
|--------------------------|--------------------|-----------------------|--------------------------|---|-----------|----------|-------------------------------------|

Selecting the **Payments** tab in the order will reveal the payment details processed through the Windcave module. Merchants can then press the **Void** button from the drop-down menu to start the void process.

Home > Administration > Commerce > Orders > Order 64

Payments ☆

[View](#) [Edit](#) [Windcave transactions](#) [Payments](#)

[+ Add payment](#)

| Payment | State | Payment gateway | Authorized | Completed | Remote ID | Operations ⓘ |
|-----------------------------------|---------------|-----------------------------|-----------------------|-----------|------------------|--|
| NZ\$1.99 Refunded: NZ\$0.00 | Authorization | WindcaveUAT | 06/01/2025 - 12:39 | | 0000000400cffe99 | Capture ⬆ Void |

Drupal will prompt the merchant to confirm they would like to void the transaction.

Home > Administration > Commerce > Orders > Order 64 > Payments

Are you sure you want to void the 1.99 NZD payment?

☆

This action cannot be undone.

[Void](#) [Cancel](#)

The result of the void transaction will be displayed in the **Windcave transactions** tab of the order.

Home > Administration > Commerce > Orders > Order 64

Windcave transactions ☆

[View](#) [Edit](#) [Windcave transactions](#) [Payments](#)

| Date | Transaction type | Transaction ID | Payment method | Amount | Status | Operations |
|--------------------|------------------|------------------|----------------|--------|----------|----------------------|
| 06/01/2025 - 13:03 | void | 0000000400cfff4f | card | 1.99 | approved | View |
| 06/01/2025 - 12:39 | auth | 0000000400cffe99 | card | 1.99 | approved | View |

3.2.4 Viewing Transaction Details

Additional transaction response details like CVC Result, Response Code, Response Text, Risk details and Auth code are saved in the merchants' website under the **Windcave transactions** tab of each order.

4 Support

For any queries or assistance, please contact our Windcave Support team at support@windcave.com or visit our [Contact Us](#) page.