

PayPal Adaptive Marketplace Add-on

 webkul.com/blog/marketplace-paypal-adaptive-payment-magento2/

February 2, 2016

Paypal Adaptive Marketplace Add-on is a payment module which splits the payment from the customers between the seller (secondary receivers) and the admin (primary receiver) automatically. This Payment module will work accurately with PayPal Parallel and Chained payment method and it is an add-on of Webkul Marketplace Module. To use this module, you must have installed first Webkul's **Multi Vendor Marketplace extension**.

Important Note: Adaptive Payments is now a limited release product. It is restricted to select partners for approved use cases and should not be used for new integrations without guidance from PayPal. You can check it on **Paypal**

Note: – Chained Payment type will work when the PayPal support approves your app as per their Acceptable Use Policy.

Features

- Payment will split among the seller(s) and the admin.
- Allow admin to configure fee payer for chained and parallel type of payment.
- Admin can enable or disable Marketplace Paypal Adaptive Payment for Magento2.
- Admin will get the commission based on sellers.
- This module will support (Parallel, Delayed Chained, Instant Chained) adaptive payment.
- Supports multiple sellers.
- Allow seller to do Full or Partial online refund.
- Allow admin to do Full or Partial online refund.
- Supports only PayPal API.

Important Notes:

1. For Refund, Seller must have PayPal Business Account.
2. For Refund process in our Marketplace Paypal Adaptive Payment module, the seller needs to give Third Party Access permission to the admin.
3. In the case of Chained Delayed Payment type, the admin has to release payment to the seller before doing partial Refund otherwise admin will unable to release the remaining payment to the seller.
4. **Chained Payment type will work when the PayPal support approves your app as per their Acceptable Use Policy**
5. According to the latest update from PayPal, you need to use https for the IPN postback so that you will successfully get verified status as explained in here:
<https://www.paypal.com/au/webapps/mpp/ipn-verification-https>, So this payment

gateway will properly work on https.

6. As per PayPal latest security updates there must be installed trusted certificate in your server and As PayPal endpoints was recently upgraded to new SHA-256, 2048-bit certificates, so your machine who make the request should be using the same algorithm.

Please read the guidelines carefully which are mentioned in this link <https://devblog.paypal.com/upcoming-security-changes-notice/>

[Log Out](#) | [Help](#) | [Security Center](#) |



[My Account](#) | [Send Money](#) | [Request Money](#) | [Merchant Services](#) | [Products and Services](#)

Manage Third Party Access

Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see [Third Party Permissions](#).

Third Party Username	Organization	
test_api1.webkul.com	webkul webkul's Test Store	Edit Third Party ▼

[Add New Third Party](#)

Click here to Add New Third Party

[About Us](#) | [Fees](#) | [Privacy](#) | [Contact Us](#) | [Legal Agreements](#) | [Site Feedback](#) [+]

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Edit Third Party Permissions

Third Party Username test_api1.webkul.com

Organization webkul webkul's Test Store

Granted Permissions

Granted Permission for Refund

- Issue a refund for a specific transaction. [What's this?](#)
- Issue a refund for any prior transaction. [What's this?](#)
- Run dispute reports and issue batch refunds. [What's this?](#)

Available Permissions

For more information about all of the permissions available, see [Third Party Definitions](#).

- Use Express Checkout to process payments.
- Process your customers credit or debit card payments.
- Authorize and capture your PayPal transactions.
- Create and manage PayPal payment buttons on your website.
- Obtain your PayPal account balance.
- Obtain information about a single transaction.
- Search your transactions for items that match specific criteria and display the results.
- Charge an existing customer based on a prior transaction.
- Create and manage Recurring Payments.
- Obtain authorization for pre-approved payments and initiate pre-approved transactions.
- Accept or deny a pending transaction.
- Initiate transactions to multiple recipients in a single batch.
- Dynamically encrypt PayPal payment buttons on your web site.
- Generate consolidated reports for all accounts.
- Use Express Checkout to process mobile payments.
- Authorize transactions with Universal Air Travel Plans.
- Manage your invoicing through a third party.
- Generate reports for recurring billing and other outstanding orders.
- Capture payments in batches.
- Create and modify accounts, and run reports on them.

Seller & Admin Configuration

Seller needs to input his PayPal id under seller profile payment details as shown below screenshot. Paypal id will be verified before the action takes place.

Set Paypal Detail

Paypal Detail

Seller will enter PayPal details

Paypal ID

test@webkul.com

Paypal First Name

Webkul

Paypal Last Name

Webkul

If the PayPal id is invalid or used earlier then Error message will display.

Error message on entering incorrect information

Invalid PayPal Email Id.ERROR Message: Cannot determine PayPal Account status

The admin can configure this payment module by following the path **Stores > Configuration > Sales > Payment Methods > Marketplace PayPal Adaptive Payment**. Let us see the configuration for Parallel Adaptive Payment Type and Chained Adaptive Payment type.

Parallel Adaptive Payment Type

In the parallel payment, the payment is sent to multiple receivers at a time.

Marketplace PayPal Adaptive Payment

Enable this Solution	<input type="text" value="Yes"/>	[WEBSITE]
Sandbox Mode	<input type="text" value="Yes"/>	[WEBSITE]
Title	<input type="text" value="Webkul Marketplace PayPal Adaptive Payment Methc"/>	[STORE VIEW]
Payment Type	<input type="text" value="Parallel"/>	[WEBSITE]
Who Will Pay Fee	<input type="text" value="Sender"/>	[WEBSITE]
Merchant PayPal ID	<input type="text" value=""/>	[STORE VIEW]
PayPal Application ID	<input type="text" value=""/>	[STORE VIEW]
PayPal API User Name	<input type="text" value=""/>	[STORE VIEW]
PayPal API Password	<input type="text" value="*****"/>	[STORE VIEW]
PayPal API Signature	<input type="text" value="*****"/>	[STORE VIEW]
Payment from Applicable Countries	<input type="text" value="All Allowed Countries"/>	[WEBSITE]
Payment from Specific Countries	<input type="text" value="Afghanistan, Åland Islands, Albania, Algeria, American Samoa, Andorra, Angola, Anguilla, Antarctica, Antigua and Barbuda"/>	[WEBSITE]
New Order Status	<input type="text" value="Pending"/>	[WEBSITE]
Sort Order	<input type="text" value="2"/>	[WEBSITE]

When Instant is selected

When Payment Type is selected as “Parallel”, then the admin can select “Who Will Pay Fee” as Sender or Each Receiver. When “Sender” is selected then the customer pays the fee which is deducted by the Payment Gateway method and when “Each Receiver” is

selected then each receiver of the payment will pay the fee deducted by the Payment Gateway method.

Chained Adaptive Payment type

In a chained payment, the payment is made to a primary receiver. The primary receiver keeps some of the payment and pays the rest to one or more secondary receivers. Admin can select either Instant or Delayed payment type.

Marketplace PayPal Adaptive Payment

Enable this Solution	<input type="text" value="Yes"/>	
Sandbox Mode	<input type="text" value="Yes"/>	
Title	<input type="text" value="Webkul Marketplace PayPal Adaptive Payment Meth"/>	[STORE VIEW]
Payment Type	<input type="text" value="Chained"/>	[WEBSITE]
Who Will Pay Fee	<input type="text" value="Each Receiver"/>	[WEBSITE]
Chained Payment Type	<input type="text" value="Instant"/>	[WEBSITE]
Merchant PayPal ID	<input type="text" value=""/>	[STORE VIEW]
PayPal Application ID	<input type="text" value=""/>	[STORE VIEW]
PayPal API User Name	<input type="text" value=""/>	[STORE VIEW]
PayPal API Password	<input type="text" value="*****"/>	[STORE VIEW]
PayPal API Signature	<input type="text" value="*****"/>	[STORE VIEW]
Payment from Applicable Countries	<input type="text" value="All Allowed Countries"/>	[WEBSITE]
Payment from Specific Countries	<input type="text" value="Afghanistan
Åland Islands
Albania
Algeria
American Samoa
Andorra
Angola
Anguilla
Antarctica
Antigua and Barbuda"/>	[WEBSITE]
New Order Status	<input type="text" value="Pending"/>	[WEBSITE]
Sort Order	<input type="text" value="2"/>	[WEBSITE]

When Chained Payment Type is selected

When the Payment Type is “Chained”, then the admin can select “Who Will Pay Fee”, as Primary Receiver or Each Reciever. In “Primary Reciever”, the fee charged by the Payment Gateway method will be deducted from the Admin or Primary Reciever and in “Each

Receiver”, the fee charged by the Payment Gateway will be deducted by the each receiver (admin and sellers).

Workflow of the module

On the cart page, the customer can see total amount like the image below.

Shopping Cart

The screenshot displays a shopping cart interface. On the left, a table lists the items:

Item	Price	Qty	Subtotal
 Gray Coat Sold By Garment Shop	\$889.00	1	\$889.00

Below the item list, there are options to "Move to Wishlist", "Apply Discount Code" (with an input field and "Apply Discount" button), and an "Update Cart" button.

On the right, a "Summary" panel is visible. It includes sections for "Estimate Shipping and Tax" (with dropdowns for Country, State/Province, and Zip/Postal Code), "Webkul Marketplace Per Product Shipping" (with radio buttons for "MP Per Product Shipping \$10.00" and "Flat Rate" (Fixed \$5.00)), and a table of totals:

Subtotal	\$889.00
Order Total	\$889.00

A red callout box with the text "Total amount of the order" points to the "Order Total" value.

At the bottom of the summary panel, there is a "Go to Checkout" button and a link for "Check Out with Multiple Addresses".

On the checkout page, the customer will see “Webkul Marketplace PayPal Adaptive Payment” and a message notifying the customer that they would be redirected to the PayPal official website to make the payment.

Payment

Check / Money order

 Webkul Marketplace PayPal Adaptive Payment Method

You will be redirected to the PayPal website when you place an order.

The customer can select Webkul Marketplace PayPal Adaptive Payment Gateway as payment method

Notification to the customer

Place Order

[Apply Discount Code](#) ▾

Order Summary

Cart Subtotal	\$889.00
Shipping	\$10.00
Webkul Marketplace Per Product Shipping - MP Per Product Shipping	
Order Total	\$899.00

1 Item in Cart

	Gray Coat Qty: 1	\$889.00
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Ship To: 

Peter Div
1st Main Street
New York, New York 85705
United States
484561

Shipping Method: 

Webkul Marketplace Per Product Shipping - MP Per Product Shipping

After placing an order through Webkul Marketplace PayPal Adaptive Payment, the customer will redirect to Paypal site where they will enter all PayPal details and after the successful payment transaction, they will redirect back to the store.

For the Parallel Adaptive Payment Type, the user can see the payment being split between the vendor and the admin.

Your payment summary

Description	Amount
.....	\$721.20 USD
.....	\$177.80 USD
Total:	\$899.00 USD

Payment splits among the primary and secondary receiver

Choose a way to pay

Log in to your PayPal account

Email address

Password

[Log in](#)

[Problem with login?](#)

Pay with a credit or debit card

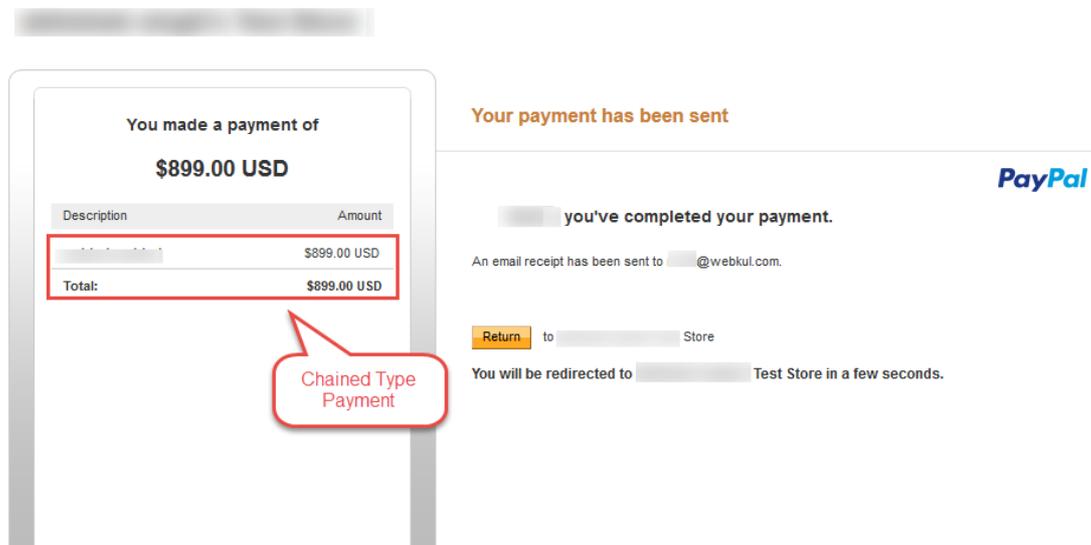
Or simply create a PayPal account.





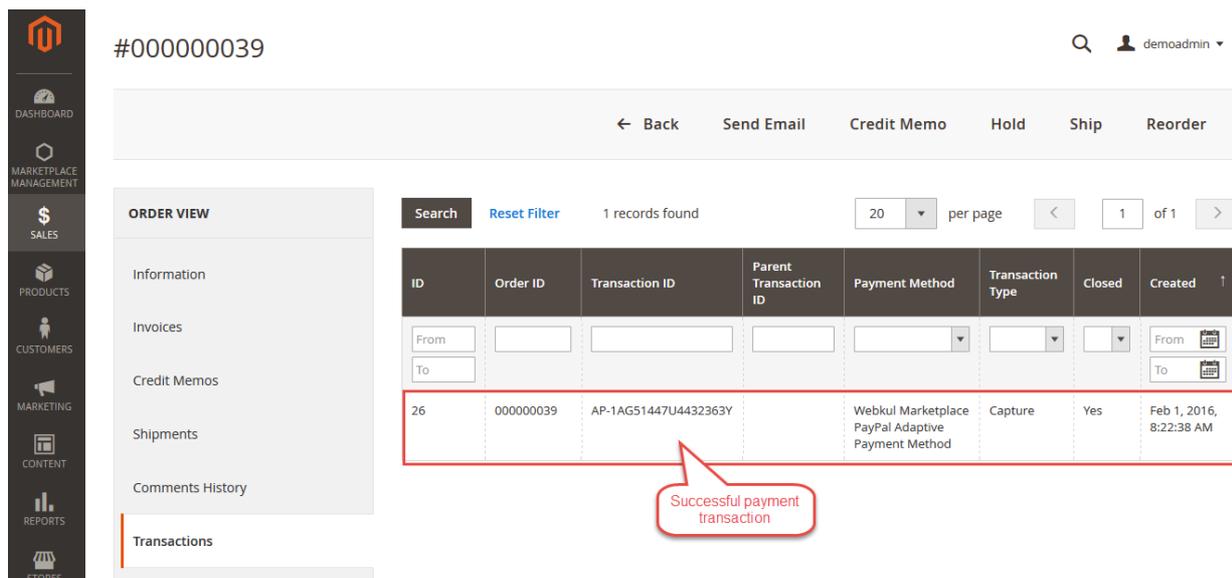

[Cancel payment and return to](#) [Test Store.](#)

For the Chained Adaptive Payment type, the user can see full payment going to the admin (primary receiver).



Admin's End

The admin can see the transaction. If the payment is done by "Parallel Payment", then admin can see the transaction details like the image below.



When the admin will click on the Transaction detail, then a new page will open with the image below.

84P-43487796VW6833708

← Back

Transaction Data

Transaction ID	84P-43487796VW6833708
Parent Transaction ID	N/A
Order ID	00000040
Transaction Type	capture
Is Closed	Yes
Created At	Feb 1, 2016, 8:25:34 AM

Child Transactions

1 records found

ID	Order ID	Transaction ID	Payment Method	Transaction Type	Closed	Created
28	00000040	84P-43487796VW6833708	Webkul Marketplace PayPal Adaptive Payment Method	Refund	Yes	Feb 1, 2016, 10:57:30 AM

Transaction Details

Key	Value
responseEnvelope	{ "timestamp": "2016-02-01T03:05:07.711-08:00", "ack": "Success", "correlationId": "84P-43487796VW6833708", "build": "1.0.0" }
cancelUrl	http://magento2.webkul.com/paymenttest/checkout/cart/index/orderid/39/
currencyCode	USD
ipnNotificationUrl	http://magento2.webkul.com/paymenttest/mpadaptivepayment/index/paymentnotify/
paymentInfoList	[{"paymentInfo": [{"receiver": "84P-43487796VW6833708@webkul.com", "primary": "false", "paymentType": "SERVICE", "accountid": "84P-43487796VW6833708"}, {"refundedAmount": "0.00", "pendingR": "84P-43487796VW6833708", "transactionId": "84P-43487796VW6833708"}]}]
returnUrl	http://magento2.webkul.com/paymenttest/mpadaptivepayment/index/paymentsuccess/orderid/39/quoteld/54/
senderEmail	84P-43487796VW6833708@webkul.com
status	INCOMPLETE
payKey	84P-43487796VW6833708
actionType	PAY_PRIMARY
feesPayer	EACHRECEIVER
reverseAllParallelPaymentsOnError	false
sender	{ "email": "84P-43487796VW6833708@webkul.com", "accountid": "84P-43487796VW6833708", "useCredentials": "false" }

If payment done by Delayed Chained Payment then from below screenshot admin can release payment to the Seller/Vendor.

#00000040

← Back Send Email Credit Memo Hold Ship Reorder

ORDER VIEW

Information

Invoices

Credit Memos

Shipments

Comments History

Transactions

Delayed Chained Payment

Release Vendor Payment

The admin will click here to release vendor's payment

If the Chained type is "Delayed Chained Payment, then this tab will appear

Admin can see the whole transaction details under **Marketplace Management > Sellers Transaction**.

Sellers Transaction

Search by keyword

Select Items 17 records found

Filters Default View Columns Export

20 per page 1 of 1

ID	Seller ID	Transaction Id	Amount	Type	Method	Created
7	1	tr-fr03lslTgGW	\$16.40	Online	Webkul Marketplace PayPal Adaptive Payment Method	Jan 28, 2016 4:14:42 PM
8	1	tr-QsYgJU3hElk	\$11.40	Online	Webkul Marketplace PayPal Adaptive Payment Method	Jan 29, 2016 8:00:33 AM
9	1	tr-N8VXzo7KPUK	\$11.40	Online	Webkul Marketplace PayPal Adaptive Payment Method	Jan 29, 2016 9:35:03 AM
10	1	tr-RyhDaQjL9A	\$11.40	Online	Webkul Marketplace PayPal Adaptive Payment Method	Jan 29, 2016 10:40:50 AM
11	1	tr-uAbGj8528f0	\$57.00	Online	Webkul Marketplace PayPal Adaptive Payment Method	Jan 29, 2016 3:41:51 PM
12	1	tr-ZNzF8nuFmZE	\$42.00	Online	Webkul Marketplace PayPal Adaptive Payment Method	Jan 29, 2016 4:10:06 PM

The admin can see Seller's Transaction

Refund using Paypal Adaptive Payment

Marketplace Paypal Adaptive Payment for Magento2 provides an easy Refund to their customers. Now admin/seller both can do fully/partial refund easily.

Refund Through Seller

For doing a refund, the seller has to go "My Order History" and then click on the order for which wanna refund. Then click on the Credit Memo for the refund.

- Marketplace Dashboard
- Seller Profile
- Create Attribute
- New Products
- My Products List
- My Transaction List
- Manage Print PDF Header Info
- My Order History**

View Order Details

Manage Order #000000039

PROCESSING

Feb 1, 2016, 8:19:25 AM

Click here to refund

- Ship
- Credit Memo**
- Send Email
- Print

- Account Dashboard
- Account Information
- Address Book
- My Downloadable Products
- My Orders
- Newsletter Subscriptions
- Billing Agreements
- My Product Reviews
- My Wish List

Product Name	SKU	Price	Qty	Total Price	Admin Commission	Vendor Total	Subtotal	
Gray Coat	Gray Coat	\$889.00	Ordered: 1 Invoiced: 1	\$889.00	\$177.80	\$711.20	\$889.00	
							Subtotal	\$889.00
							Shipping & Handling	\$10.00
							Total Tax	\$0.00
							Total Ordered Amount	\$899.00
							Total Vendor Amount	\$721.20
							Total Admin Commission	\$177.80

Compare Products
You have no items to compare.

My Orders
 Test Sim1
[Add to Cart](#) [View All](#)

My Wish List
You have no items in your wish list.

Buyer Information

Customer Name : John Doe
Email : @webkul.com

Order Information

Shipping Address

Peter Div
1st Main Street
New York, New York, 85705
United States
T: 484561

Shipping Method

Webkul Marketplace Per Product
Shipping - MP Per Product Shipping
[Webkul Marketplace Per Prod](#)

Billing Address

Peter Div
1st Main Street
New York, New York, 85705
United States
T: 484561

Payment Method

Webkul Marketplace PayPal Adaptive
Payment Method

Once seller clicks on Credit Memo button, a page will open where the seller will have Online refund option. After clicking on Refund button, the seller has done with the refund.

- Marketplace Dashboard
- Seller Profile
- Create Attribute
- New Products
- My Products List
- My Transaction List
- Manage Print PDF Header Info

My Order History

New Credit Memo

Order #000000039

PROCESSING

Feb 1, 2016, 8:19:25 AM

Buyer Information

Customer Name : John Doe
Email : @webkul.com

- Account Dashboard
- Account Information
- Address Book
- My Downloadable Products
- My Orders
- Newsletter Subscriptions
- Billing Agreements
- My Product Reviews
- My Wish List

Compare Products

You have no items to compare.

My Orders

Test Sim1

[Add to Cart](#) [View All](#)

My Wish List

You have no items in your wish list.

Order Information

Shipping Address

Peter Div
1st Main Street
New York, New York, 85705
United States
T: 484561

Shipping Method

Webkul Marketplace Per Product
Shipping - MP Per Product Shipping

Billing Address

Peter Div
1st Main Street
New York, New York, 85705
United States
T: 484561

Payment Method

Webkul Marketplace PayPal Adaptive
Payment Method

ITEMS TO REFUND

Product Name	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Gray Coat	\$889.00	Ordered: 1 Invoiced: 1	<input type="checkbox"/>	<input type="text" value="1"/>	\$889.00	\$0.00	\$0.00	\$889.00
Subtotal								\$889.00
Shipping & Handling								\$10.00
Total Tax								\$0.00
Total Ordered Amount								\$899.00
Total Vendor Amount								\$721.20
Total Admin Commission								\$177.80

Seller can do partial refund

Paid Amount	Refund Amount	Shipping Amount	Shipping Refund	Order Grand Total
\$899.00	\$0.00	\$10.00	\$10.00	\$899.00

Credit Memo Comments

Refund Totals

Estimated Total	\$899.00
Subtotal	\$889.00
Total Tax	\$0.00
Refund Shipping	<input type="text" value="10.00"/>
Adjustment Refund	<input type="text" value="0"/>
Adjustment Fee	<input type="text" value="0"/>

Append Comments
 Visible on Frontend
 Email Copy of Credit Memo

Click here to do online refund

[« Back To My Orders](#)

Refund Through Admin

For refund, admin has to navigate invoice page for an placed order for which admin wants

to do the refund.

#000000040

← Back Send Email Reorder

Search by keyword Filters Default View Columns Export

Select It... 1 records found 20 per page 1 **Click here**

	Invoice	Invoice Date	Order #	Order Date	Bill-to Name	Status	Amount	Action
<input type="checkbox"/>	000000037	Feb 1, 2016 8:24:51 AM	000000040	Feb 1, 2016 8:23:52 AM	Peter Div	Paid	\$899.00	View

Now click on the Credit Memo tab where Refund button exists to refund.

#000000037

← Back Send Email **Credit Memo** Print

Order & Account Information

Order # 000000040 (The order confirmation email is not sent)

Account Information

Order Date Feb 1, 2016, 8:23:52 AM Customer Name John Doe

Order Status Processing Email

Purchased From Main Website Main Website Store Default Store View Customer Group General

Placed from IP

Address Information

Billing Address Edit Shipping Address Edit

Peter Div 1st Main Street New York, New York, 85705 United States T: 484561

Peter Div 1st Main Street New York, New York, 85705 United States T: 484561

Payment & Shipping Method

Payment Information Shipping Information

Webkul Marketplace PayPal Adaptive Payment Method Total Shipping Charges: \$10.00

The order was placed using USD.

Items Invoiced

Product	Price	Qty	Subtotal	Tax Amount	Discount Amount	Row Total
Gray Coat SKU: Gray Coat	\$889.00	1	\$889.00	\$0.00	\$0.00	\$889.00

Order Total

Invoice History Invoice Totals

Comment Text

Subtotal \$889.00

Shipping & Handling \$10.00

Grand Total \$899.00

Notify Customer by Email

Visible on Storefront

Submit Comment

After clicking on Credit Memo, you have to click on Refund button. Refer to the below screenshot for the same.

New Memo for #000000037
demoadmin

← Back
Reset

Order & Account Information

Order # 000000040 (The order confirmation email is not sent)

Order Date	Feb 1, 2016, 8:23:52 AM
Order Status	Processing
Purchased From	Main Website Main Website Store Default Store View
Placed from IP	

Account Information

Customer Name	John Doe
Email	
Customer Group	General

Address Information

Billing Address [Edit](#)

Peter Div
1st Main Street
New York, New York, 85705
United States
T: 484561

Shipping Address

[Edit](#)

Peter Div
1st Main Street
New York, New York, 85705
United States
T: 484561

Payment & Shipping Method

Payment Information

Webkul Marketplace PayPal Adaptive Payment Method
The order was placed using USD.

Shipping Information

Webkul Marketplace Per Product Shipping - MP Per Product Shipping
Total Shipping Charges: **\$10.00**

Items to Refund

Product	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Gray Coat SKU: Gray Coat	\$889.00	Ordered 1 Invoiced 1	<input type="checkbox"/>	<input type="text" value="1"/>	\$889.00	\$0.00	\$0.00	\$889.00

Admin can do partial refund as well

Order Total

Credit Memo Comments

Comment Text

Refund Totals

Subtotal	\$889.00
Refund Shipping	<input type="text" value="10"/>
Adjustment Refund	<input type="text" value="0"/>
Adjustment Fee	<input type="text" value="0"/>
Grand Total	\$899.00

Append Comments

Email Copy of Credit Memo

Click here to do online refund

Refund Offline

Refund

Admin can see the transaction details of refunded order.

Paypal adaptive app submission guidelines

Please consult with PayPal support for new app creation. App approval will be managed and moderated at the PayPal end, Webkul will not be responsible for app approval or moderation. If you have already create an app, you can use it with this module.

Support

That's all for the **Paypal Adaptive Marketplace Add-on** module still have any issue feel free to add a ticket and let us know your views to make the module better at webkul.uvdesk.com