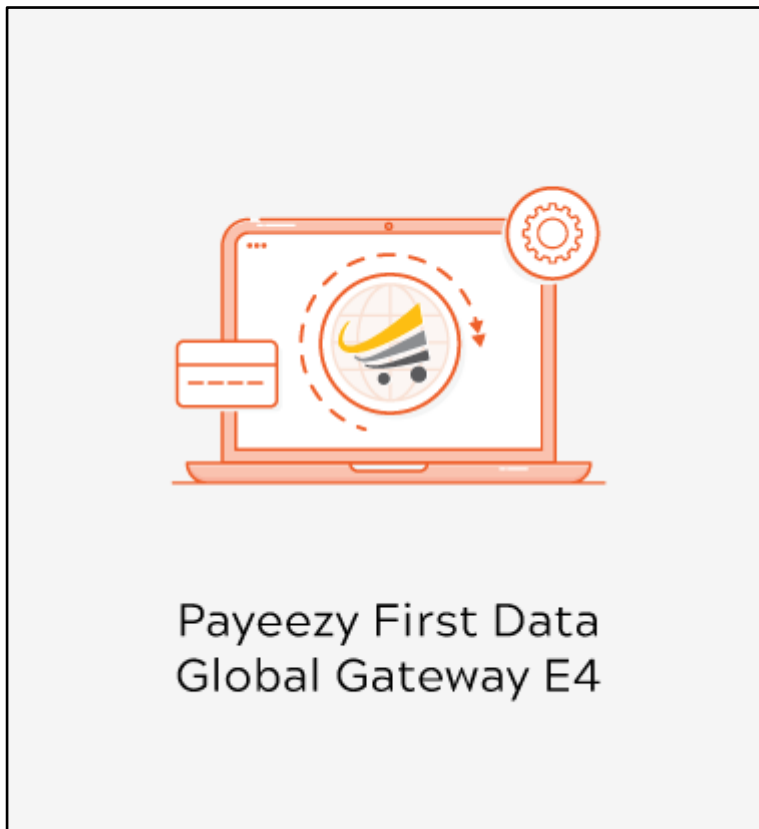


## Payeezy FirstData Global Gateway E4 for Magento 2 User Guide



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## 1. Extension Installation

- Find the Composer name and version of the extension in the extension's composer.json file.
- Login to your SSH and run:
  - composer require meetanshi/magento-2-payeezy-first-data-global-gateway-e4
- Enter your [authentication keys](#). Your public key is your username; your private key is your password.
- Wait for Composer to finish updating your project dependencies and make sure there aren't any errors.
- To verify that the extension installed properly, run the command:
  - php bin/magento module:status Meetanshi\_Firstdata
- By default, the extension is probably disabled.
- Enable the extension and clear static view files:
  - php bin/magento module:enable Meetanshi\_Firstdata --clear-static-content
  - php bin/magento setup:upgrade
  - For Magento version 2.0.x to 2.1.x - php bin/magento setup:static-content:deploy
  - For Magento version 2.2.x & above - php bin/magento setup:static-content:deploy -f
  - php bin/magento cache:flush

## 2. Configuration

For configuring the extension, login to Magento 2, move to **Stores → Configuration → Sales → Payment Methods → Payeezy First Data Global Gateway E4 – Meetanshi** where you can find various settings to enable the extension.

- **Enabled:** Enable or disable Payeezy First Data GGE4 extension from here.
- **Title:** Enter title for the Payeezy First Data GGE4 payment method to show in the frontend.
- **Show First Data Payeezy Logo:** Select YES to show Payeezy First Data logo on the checkout page in frontend.
- **Sandbox Mode:** Set YES to enable sandbox mode for the payment gateway.
- **Hmac Key:** Enter Hmac key received while registration with the Payeezy FirstData Global Gateway E4.
- **Key ID:** Enter the key ID received while registration with the Payeezy FirstData Global Gateway E4.
  - Login to <https://demo.globalgatewaye4.firstdata.com/login> with your credentials, move to **Administration > Select the User > Terminals > Select Terminal > API access** where you can find **Hmac Key** and **key ID**.



### Terminal Selection ( [Terminal Types](#) )

Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
Meetanshi DEMO0619		Active				
	Meetanshi DEMO0619 TERM RETAIL	Demo	-	USD	01	ME3402-32
	Meetanshi DEMO0619 TERM MOTO	Demo	-	USD	02	RE7955-42

#### Terminal: Meetanshi DEMO0619 TERM ECOMM

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

Key id  
725095

Copy key ID from here and paste it in relevant field in Magento 2 configuration

Created by  
meetansh311

Hmac key

\*\*\*\*\*

[Generate New Key](#)

Copy Hmac key from here and paste it in relevant field in Magento 2 configuration

#### HMAC Signature Calculator

Time

2022-03-03T05:03:30Z

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

Request Method

POST

Request Content Type

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

\*\*\*\*\*

[Calculate](#)

#### 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.

[Update](#) [Cancel](#)



- **Gateway ID:** Enter the gateway ID received while registration with the Payeezy FirstData Global Gateway E4.
- **Gateway Password:** Enter the gateway password received while registration with the Payeezy FirstData Global Gateway E4.
  - From the Payeezy GGE4 dashboard, move to **Administration > Select the User > Terminals > Select Terminal > Details** where you can find **Gateway ID** and **Gateway Password**.

**Note:** Don't forget to select "Support level 2 data and level 3 data" radio button before saving details.

**Terminal Selection (Terminal Types)**

Merchant	Terminal	Status	Status Changed	Currency	Virtual Terminal	Gateway
Meetanshi DEMO0619	Meetanshi DEMO0619 TERM RETAIL	Active	-	USD	01	ME3402-32
Meetanshi DEMO0619	Meetanshi DEMO0619 TERM MOTO	Demo	-	USD	02	RE7955-42

**Terminal: Meetanshi DEMO0619 TERM ECOMM**

**Details** Restrictions AVS Filters CVV2 Filters Velocity Controls PayPal 3-D Secure API Access

Account: Meetanshi DEMO0619

Description: Meetanshi DEMO0619 TERM ECOMM

Currency: USD

Payment Types:

Terminal Code: 03

Gateway ID: SE1420-75 *Copy gateway ID from here and paste it in relevant field in Magento 2 configuration*

DivisionID: 67761382

MID: 7404219091

Transarmor Token: [Empty]

Time Zone: Eastern Daylight Saving Time / EDT - 705

Cut-Off Time: After Midnight on the Reporting Day

00 : 00 (24 Hour Clock)

Password: [Masked] *Copy gateway password from here and paste it in relevant field in Magento 2 configuration*

*Warning: Generating a new password will deny access to all API clients until they are updated with the new 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

Language: English

Business Application Indicator

Special Payments Enabled

Allow Soft Descriptors.

Do not support Level 2 or Level 3 Data

Support Level 2 Data only

Support Level 2 Data and Level 3 Data *Make sure to select this option*

Update Cancel

- **Commodity Code:** Commodity code is used to classify the item purchased. For a complete list of commodity codes click [here](#). Enter relevant commodity code for your product globally.
- **Payment Action:** Select one of the payment actions for the payment capture.
  - **Authorize:** Authorizes and validates card for the order amount. The admin has to manually capture the amount (by generating invoice using “**Capture Online**” option).
  - **Authorize and Capture:** Authorizes and captures the order amount immediately.
- **Credit Card Types:** Select credit card types to allow customers while paying for their orders using Payeezy FirstData Global Gateway E4 payment method.
- **Payment from Applicable Countries:** Select all or selected countries to allow payments using Payeezy FirstData Global Gateway E4 payment method.
- **Payment from Selected Countries:** If you have set selected countries from the above option, select the countries to allow payments using Payeezy FirstData Global Gateway E4.
- **Debug:** Select YES to enable debug.
- **Instructions:** Enter additional instructions to show on the checkout page in the frontend.
- **Sort Order:** Enter the sort order of the payment method.



## Configuration

Save Config

- SALES
- Sales
- Sales Emails
- PDF Print-outs
- Tax
- Checkout
- Shipping Settings
- Multishipping Settings
- Shipping Methods
- Google API
- Payment Methods**
- Fraud Protection
- DOTMAILER
- SERVICES
- ADVANCED

### Payeezy First Data Global Gateway E4 - Meetanshi

**Enabled** [website] Yes Enable Payeezy First Data Global Gateway E4 method from here

**Title** [store view] Credit Card (Firstdata) Enter title of the payment method

**Show First Data Payeezy Logo** [website] No Set YES to show First Data Payeezy logo in the frontend  
Show First Data Payeezy Logo on Checkout Page

**Sandbox Mode** [website] Yes Set YES to enable sandbox mode

**Hmac Key** [website] \*\*\*\*\*

**Key ID** [website] \*\*\*\*\*

**Gateway ID** [website] \*\*\*\*\*

**Gateway Password** [website] \*\*\*\*\* Enter Hmac key, key ID, gateway ID and gateway password received while registration with Payeezy Firstdata

**Commodity Code** [website] 00514 Enter commodity code to classify products in your store  
The commodity code used to classify the item purchased. For a complete list of Commodity Codes [click here](#)

**Payment Action** [website] Authorize and Capture (Sale) Select one of the payment actions

**Credit Card Types** [website] American Express, Visa, MasterCard, Discover, JCB, Diners Select credit card types to allow using while payment

**Payment from Applicable Countries** [website] All Allowed Countries Select countries to allow using the payment method

**Payment from Specific Countries** [website] Afghanistan, Åland Islands, Albania, Algeria, American Samoa, Andorra, Angola, Anguilla, Antarctica, Antigua & Barbuda Use system value

**Debug** [website] Yes Set YES to enable debug

**Instructions** [store view] Use below card details to place a test order <br><b>Card Brand:</b> Visa <br><b>Card Number:</b> 4111111111111111 <br><b>Card Expiry Date:</b> Any future date <br><b>CVV:</b> 123 Enter instructions to show on the checkout page

**Sort Order** [website] Enter sort order of the payment method



### 3. Add Product Specific Commodity Code

Apart from the global configuration of the [commodity code](#), you can also specify product specific commodity code from **Catalog > Products > Product edit** and enter commodity code for the particular product.

The screenshot shows the 'Shoes' product edit page in Magento 2. The page includes a header with 'Shoes', a 'Back' link, and 'Add Attribute' and 'Save' buttons. The main content area contains several configuration fields:

- SKU** (global): Shoes
- Price** (website): \$ 200.00
- Advanced Pricing** (link)
- Tax Class** (website): Taxable Goods
- Quantity** (global): 940
- Advanced Inventory** (link)
- Stock Status** (global): In Stock
- Weight** (global): 1 lbs, This item has weight
- Categories** (global): Default Category, New Category
- Visibility** (store view): Catalog, Search
- Set Product as New From** (website): [calendar icon] To [calendar icon]
- Country of Manufacture** (website): [dropdown]
- Commodity Code** (store view): [input field]

A red box highlights the 'Commodity Code' field with the text: "Enter product specific commodity code here if you don't want to use the global commodity code".

#### 4. Payeezy FirstData Global Gateway E4 Payment Method in Frontend

Once the extension is configured, it can be seen enabled in the frontend. Simply add products to cart and go to the checkout, you can see the Payeezy FirstData GGE4 payment method enabled. Select it, enter the card details and click **“Place Order”** to finish payment and place the order successfully.

**LUMA**

Shipping  Review & Payments

Search entire store here...

**Payeezy** Credit Card (Firstdata)  
First Data Powered

My billing and shipping address are the same

John Doe  
3540 SE Division St  
Portland, Oregon 97202  
United States  
(503) 238-2013

Credit Card Number \*

Expiration Date \*

Card Verification Number \*

Use below card details to place a test order  
**Card Brand:** Visa  
**Card Number:** 4111111111111111  
**Card Expiry Date:** Any future date  
**CVV:** 123

Instructions added from the backend configuration shown here

Enter card details and click to place order successfully

**Place Order**

**Order Summary**

Cart Subtotal	\$200.00
Shipping Flat Rate - Fixed	\$5.00
<b>Order Total</b>	<b>\$205.00</b>

1 Item in Cart

Shoes  
Qty: 1  
\$200.00

**Ship To:**

John Doe  
3540 SE Division St  
Portland, Oregon 97202  
United States  
(503) 238-2013

**Shipping Method:**

Flat Rate - Fixed



- Payeezy FirstData GGE4 Payment Details in My Account Section**  
 Immediately after the order is placed, the Payeezy FirstData GGE4 payment details can be seen in My Orders tab under the customer's My Account section.

My Account

**My Orders**

My Downloadable Products

My Wish List

---

Address Book

Account Information

Stored Payment Methods

Billing Agreements

---

My Product Reviews

Newsletter Subscriptions

## Order # 000000510

PROCESSING

February 25, 2022

Payeezy Firstdata GGE4 payment details in customer's My Account section in frontend

[Reorder](#) [Print Order](#)

Items Ordered

Product Name	SKU	Price	Qty	Subtotal
Shoes	Shoes	\$200.00	Ordered: 1	\$200.00
Subtotal				\$200.00
Shipping & Handling				\$5.00
<b>Grand Total</b>				<b>\$205.00</b>

Invoices

### Order Information

<p><b>Shipping Address</b></p> <p>John Doe Meetanshi 3540 SE Division St Portland, Oregon, 97202 United States T: (503) 238-2013</p>	<p><b>Shipping Method</b></p> <p>Flat Rate - Fixed</p>	<p><b>Billing Address</b></p> <p>John Doe Meetanshi 3540 SE Division St Portland, Oregon, 97202 United States T: (503) 238-2013</p>
--	--	---

**Payment Method**

Credit Card (Firstdata)

<b>Bank Resp Code</b>	100
<b>Bank Message</b>	Approved
<b>Card number</b>	#####1111
<b>Expiration Date</b>	0724
<b>Transaction Tag</b>	4704098193

Compare Products

You have no items to compare.

Recently Ordered

Shoes

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

My Wish List

You have no items in your wish list.



## 5. Payeezy FirstData GGE4 Payment Details in Order View Backend

Apart from the customer's My Account section, the admin can also see Payeezy FirstData GGE4 payment details from the **Sales → Orders → Order View** section in the backend.

#00000510

Payeezy Firstdata GGE4 payment details in Sales > Orders > Order view in the backend

[← Back](#)
[Send Email](#)
[Credit Memo](#)
[Hold](#)
[Ship](#)
[Reorder](#)

---

### Payment & Shipping Method

#### Payment Information

Credit Card (Firstdata)

Bank Resp Code:	100
Bank Message:	Approved
Card number:	#####1111
Expiration Date:	0724
cvd_code:	###
avs:	3
cvv2:	I
Gateway ID:	[REDACTED]
Transaction Tag:	[REDACTED]
Authorization Num:	[REDACTED]
Card Type:	Visa

The order was placed using USD.

#### Shipping & Handling Information

Flat Rate - Fixed \$5.00

---

#### Items Ordered

Product	Item Status	Original Price	Price	Qty	Subtotal	Tax Amount	Tax Percent	Discount Amount	Row Total
Shoes	Invoiced	\$200.00	\$200.00	Ordered 1 Invoiced 1	\$200.00	\$0.00	0%	\$0.00	\$200.00
SKU: Shoes									

---

#### Order Total

##### Notes for this Order

Status: Processing

Comment:

Notify Customer by Email

Visible on Storefront

**Submit Comment**

Feb 25, 2022 6:14:34 AM | Processing | Customer **Not Notified**  
Captured amount of \$205.00 online. Transaction ID: ~4704098193

#### Order Totals

Subtotal	\$200.00
Shipping & Handling	\$5.00
<b>Grand Total</b>	<b>\$205.00</b>
<b>Total Paid</b>	<b>\$205.00</b>
<b>Total Refunded</b>	<b>\$0.00</b>
<b>Total Due</b>	<b>\$0.00</b>



## 6. Refund Online for Payeezy FirstData GGE4 Order from Backend

The extension is compatible with online refund through Payeezy FirstData GGE4 payment method. Admin can simply move to **Sales > Invoices > View Invoice**, click on “**Credit Memo**” button, while creating a new credit memo, click on “**Refund**” button to refund online through Payeezy FirstData GGE4 payment method for your order.

New Memo for #000000123 ← Back    Reset

Admin can refund online for Payeezy Firstdata GGE4 order from the backend

Product	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Shoes SKU: Shoes	\$200.00	Ordered 1 Invoiced 1	<input type="checkbox"/>	1	\$200.00	\$0.00	\$0.00	\$200.00

[Update Qty's](#)

---

Order Total

**Credit Memo Comments**

Comment Text

**Refund Totals**

Subtotal	\$200.00
Refund Shipping	5
Adjustment Refund	
Adjustment Fee	
<b>Grand Total</b>	<b>\$205.00</b>

[Update Totals](#)

Append Comments

Email Copy of Credit Memo

Click to refund online

Refund Offline

Refund

