



Verifone Payment gateway for Magento1 eCommerce platform

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1. Introduction

This document is the Verifone payment module installation and configuration guide.

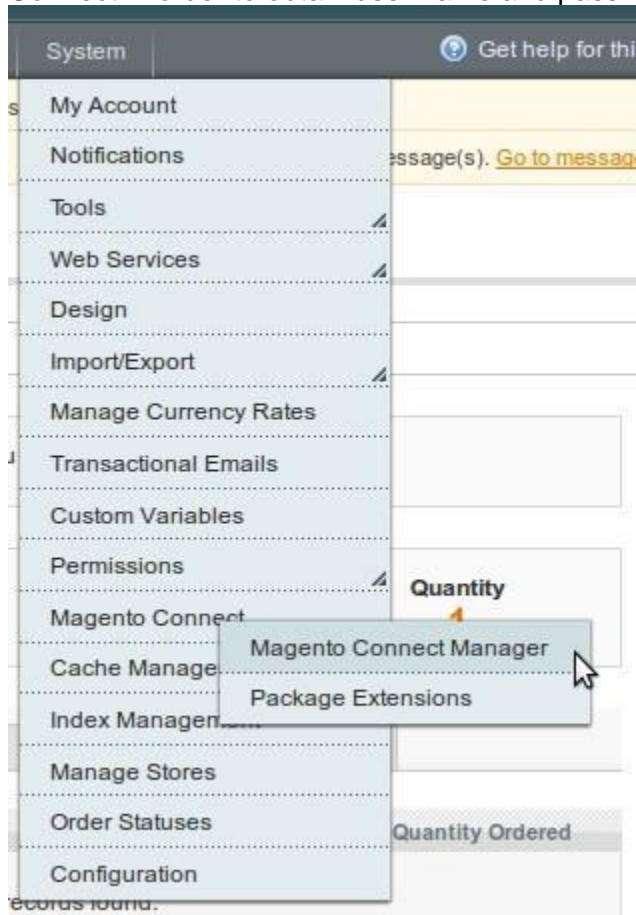
Verifone payment module offers Magento1 integration towards the Verifone payment service.

2. Installation and Configuration

Note: Preferred way of installing module is just by uploading the package to the server and uncompressing it to your Magento shop root. If module managing is needed, we recommended modman or composer. After uncompressing, remember to flush Magento cache.

Alternatively, you could use the old Magento installer method. This, however, can cause problems depending on the shop. The installer method is as follows:

1. Open **Magento Connect Manager** and log in. You may have to register to Magento Connect in order to obtain user name and password.



2. In the '**Direct package file upload**' -section, in the Upload package file, select the Verifone payment software package (**.tgz -file**). Hit upload.
3. Press Refresh and check that the **Verifone_VerifonePayment** module is in the Existing Extensions list.
4. Return to Magento Admin.
5. From the menu select **System | Configuration**
6. From the navigation bar on the left select **Sales | Payment Methods**
7. Enter values for Configuration (on-screen values for the **test environment**).
8. Save configuration.
9. Click **Get Available Payment Methods** button to get all payment methods. By using **Available payment method** you may show payment methods as separated Payment Methods and the customer will be redirected directly to the bank or card data form. If you wish to use Verifone Gateway then select **Verifone Payment - All in One**. Tip: use CTRL + [click] to select multiple options.
View for select payment method is available under website scope.
10. For check stored configuration, please click on **Display configuration summary**. More information in section 10.

VerifonePayment

[illegible]

| Configuration setting | Description |
|--|---|
| Display configuration summary | Possibility to display summary for shop configuration. Available information about which merchant agreement or keys is used. Before check configuration for test/live you need first save the configuration. The summary is available per Website Scope, so the first website should be selected from the scope selector. If the website is not selected, then Default values are visible. See section 10 for more information. |
| Title | Name of the payment module. This name is visible to the customer as the name of the payment. |
| Enabled | The payment method can be enabled/disabled with this selection. |
| Environment (Test/Production) | Select the environment for the payment module |
| Verifone Payment production merchant agreement code | Unique seller identification obtained from Verifone. |
| Verifone Payment test merchant agreement code | Seller identification used for the test. |
| Payment service key handling | Select which key handling mode you will use. See section 3 for more information. |
| Generate new keys | Functionality for creating a new key pair for the shop. See section 3 for more information. |
| Directory for store keys | A path to the directory for generated files Important: Do not place keys in a folder accessible by the WWW-server. |
| Shop private key filename | The filename for the shop key file. Important: Do not place keys in a folder accessible by the WWW-server. |
| Shop private key filename (Test) | The filename for the shop key file used for the test. Important: Do not place keys in a folder accessible by the WWW-server. |
| Pay page URL 1,2,3 | Payment system endpoint address (payment node). For redundancy, it is possible to have up to three separate endpoints. The payment module will choose the endpoint used randomly. |

| | |
|--|--|
| Check payment node availability | Before payment node is used the payment node is contacted to check it's availability. In case a certain payment node is not another one is checked. In case no payment node is available an error is raised. The availability check can be bypassed with this configuration setting. |
| Skip confirmation page | In the Verifone payment system, it is possible to skip the last page and direct user directly to the shop. With this selection, the functionality can be turned on/off. |
| Style code | Code identifying the style sheet used in payment page or an empty string if the default style sheet is used. Use of custom payment page template needs first to be uploaded and to be approved by Verifone. |
| Disable rsa blinding | Define CRYPT_RSA_DISABLE_BLINDING as true in case of custom PHP build or PHP7 (experimental) |
| Sort order | Display order of the payment in customer's payment selection. |
| Payment Applicable From Countries Payment Applicable From | It is possible to set whether the payment is available either for customers from all countries or from selected countries only. |
| Get Available Payment methods | Option to get payment methods from Verifone gate and redirect user directly to the payment page, dodging portal step |
| Allow to save Credit Cards | Allow customers to store credit cards in Verifone for future payments. |
| Available payment methods | Select visible payment methods. To fill the list click „ Get Available Payment methods ” button. |
| Add period label to price | Set to show prices postfix ' / [period]' [period] = [day/s, week/s, month/s, year/s]. |
| Recurring payment failed email notify | Select templates of the email which will be sent to the customer if charging of card fails. |
| Expire card email notify | Email notification 7 days before the card will be expired. |
| Remember me info | Information visible when Allow to save Credit Cards is set to Yes |
| Save masked PAN number | Save masked pan number to order |

| | |
|-------------------------------------|---|
| Basket Item Sending | Select for which type of order the items should be sent. When you select the option for send items, then the product list is provided for Verifone payment. |
| Combine Invoice Basket Items | If yes, then all products are sent to Verifone as one product with name Tilaus %ORDERNUMBER% |

3. Payment service key handling

For testing payments, the module contains test keys, and uses it, when the simple mode is configured.

Automatic (Simple)

- When everything is configured, please run **Generate live keys** (for production) or **Generate test key** (for development/test). Confirmation for this action is required.
- Generation a new test key is required only when custom merchant agreement code is configured in field **Verifone Payment test merchant agreement code**
- After creating a new key, remember to copy the public key to payment operator configuration settings. The public key is available in the **Configuration summary**.
- **Generate new keys** to override old keys. Please don't click this link if you are not sure.

Manual (Advanced)

- This configuration could be used for keys created in the old way.
- Please configure the directory path where keys are stored.
- Please configure file name for production and/or test environment.

By clicking on Display configuration summary you can check which keys are being used. If you encounter any problems, please see section 6. Troubleshooting

4. Server configuration

Required configuration for the http-server:

- SSL-support installed and enabled (e.g. OpenSSL for Apache web server)
- allow_url_fopen in PHP configuration must be set on.

Cron is required for recurring payments. For information about configuring it, please check Magento documentation: https://docs.magento.com/m1/ce/user_guide/system-operations/cron.html

5. Late/delayed shop payment success page URL

The late shop payment success page URL is:

https://<yourdomain>/VerifonePayment/redirect/success or
http://<yourdomain>/VerifonePayment/redirect/success

depending on whether SSL is used or not.

Verifone may request this information for production use web shops.

Full delayed url is available in the module information view, after a click on “**Display configuration summary**”

6. Troubleshooting

| Problem | Resolution |
|---|---|
| Verifone payment is not visible in payment selection | Check configuration values. Check that the module is enabled. |
| Error: Payment system not available. | The payment system availability check has failed. Check Pay Page URL parameters. |
| Error: Problem with generating new keys. | Check directory configuration. A directory must be accessible and writable. |
| Error: Problem with directory configuration. | Check directory configuration. A directory must be accessible and writable. |
| Error: Key file for provided merchant agreement code does not exist | This problem appears, when is set merchant agreement code or custom key file name, but the key does not exist. Check configuration, and if required, then create new keys. Remember about upload into payment service. |
| Info: Default test key file uses | The plugin uses default keys, provided with the module. It is using for the default configuration. |
| Error: Key file could not be read. | The payment module has not been able to read the key file. Possible causes are: <ul style="list-style-type: none">• A key file is not stored to the server• Key file path or filename is wrong• Key file does not have reading rights. Check that the key file exists in the server, check that the path and file name is correct and check file permissions. |
| Error: Payment verification failed | The payment verification has failed. Check that the key file is correct. |
| Error: Configuration error: allow_url_fopen must be enabled | Change allow_url_fopen true in PHP |

7. Order states and inventory handling

Order state before payment has been accepted is '**Pending Payment**' or '**Pending**'.

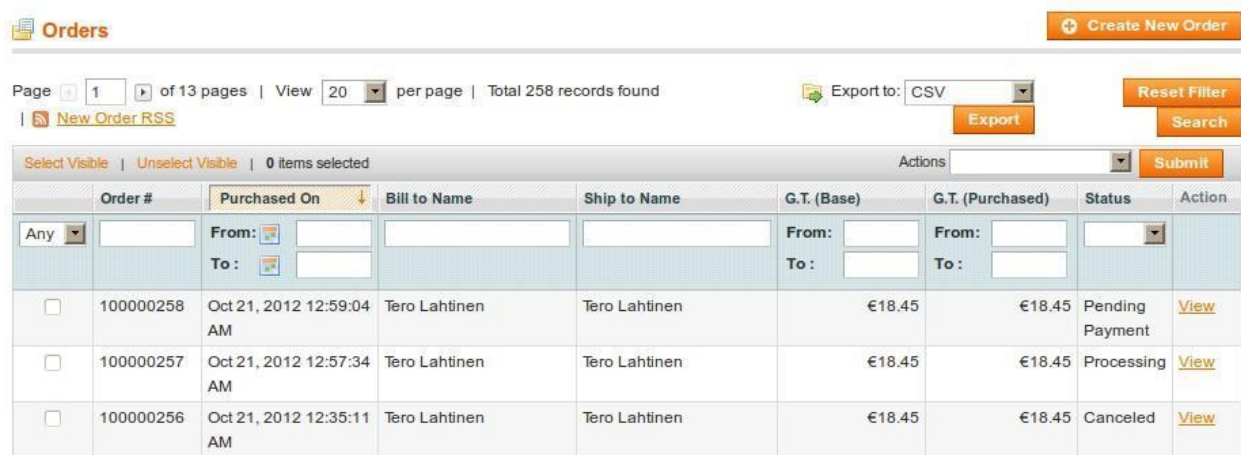
For successfully paid orders, the order state is '**Processing**'.

For cancelled orders, the state is '**Canceled**'. Order cancellation is done, when the customer cancels payment in the Verifone payment system and returns to the shop.

Note that the order is created when the customer begins the payment process. The sole existence of an order does not indicate, that the order is actually ordered and paid. Only orders, which are on state '**Processing**', are to be delivered.

When Magento stock management is enabled, the ordered quantity is reserved from the stock at the time of order creation. For orders, where the payment process is never completed nor

cancelled, the order with associated stock reservation remains indefinitely at '**Pending Payment**' state. Manually cancelling the orders will return items to the stock.



The screenshot shows the 'Orders' management interface. At the top, there's a 'Create New Order' button. Below it, a summary bar indicates 'Page 1 of 13 pages', 'View 20 per page', and 'Total 258 records found'. There are also links for 'New Order RSS', 'Export to: CSV', 'Export', 'Reset Filter', and 'Search'. The main table has columns for 'Order #', 'Purchased On', 'Bill to Name', 'Ship to Name', 'G.T. (Base)', 'G.T. (Purchased)', 'Status', and 'Action'. The first three rows are visible, showing orders with statuses 'Pending Payment', 'Processing', and 'Canceled'.

| | Order # | Purchased On | Bill to Name | Ship to Name | G.T. (Base) | G.T. (Purchased) | Status | Action |
|--------------------------|-----------|--------------------------|---------------|---------------|-------------|------------------|-----------------|----------------------|
| <input type="checkbox"/> | 100000258 | Oct 21, 2012 12:59:04 AM | Tero Lahtinen | Tero Lahtinen | €18.45 | €18.45 | Pending Payment | View |
| <input type="checkbox"/> | 100000257 | Oct 21, 2012 12:57:34 AM | Tero Lahtinen | Tero Lahtinen | €18.45 | €18.45 | Processing | View |
| <input type="checkbox"/> | 100000256 | Oct 21, 2012 12:35:11 AM | Tero Lahtinen | Tero Lahtinen | €18.45 | €18.45 | Canceled | View |

At the example above order:

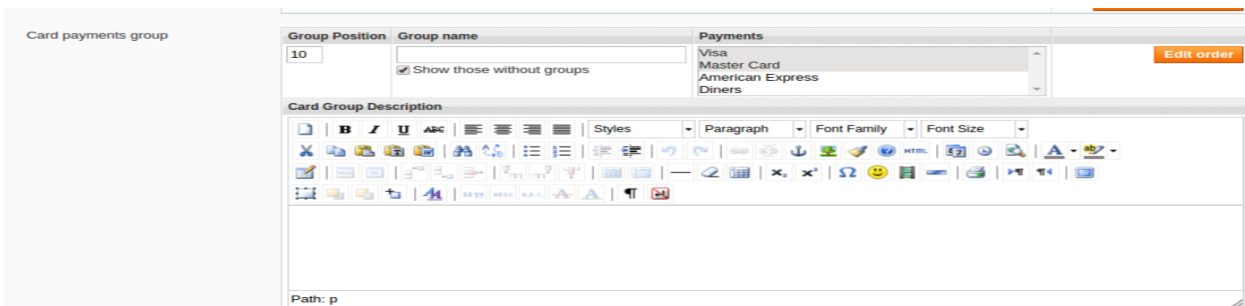
- #100000258 is waiting for payment.
- #100000257 has been paid and can be delivered,
- #100000256 has been cancelled.

8. Recurring payments

Magento documentation: [Recurring Profile](#)

The important thing to consider is that the **minimum period between charges is 7 days**.

Also, recurring payments are possible only through **CARDS** payments so it is necessary to enable cards in "**Select payment methods**" section.



The screenshot shows the 'Card payments group' configuration page. It includes a 'Group Position' field set to '10', a 'Group name' field with a checkbox 'Show those without groups', and a 'Payments' dropdown menu with options 'Visa', 'Master Card', 'American Express', and 'Diners'. Below these is a 'Card Group Description' section with a rich text editor toolbar and a text area. At the bottom, there is a 'Path' field with the value 'p' and an 'Edit order' button.

9. Refund feature

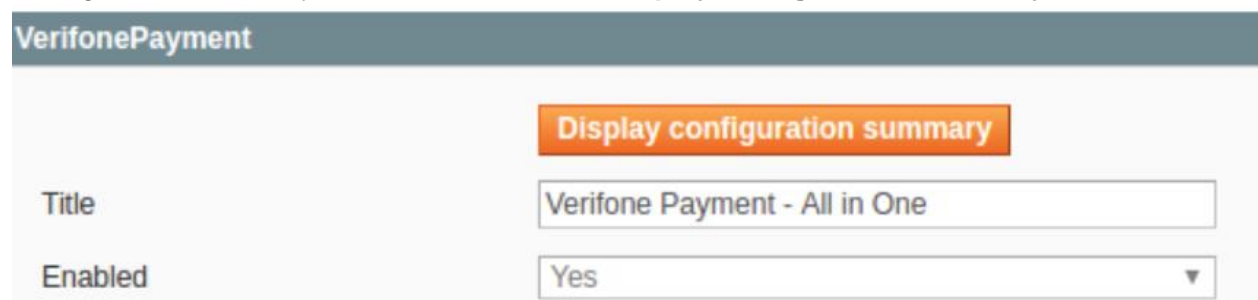
To refund orders, you need to go to the order details page, select invoice from invoices tab by clicking on **Invoice** link. After the invoice page has been loaded, you need to click on the **Credit Memo** button.

Next up, fill the credit memo form like for any other refund, and click the **Refund** button to return sufficient amount to the customer.

10. Configuration summary

Below are available screenshots with example configuration summary for different states.

Configuration summary is available after click **Display configuration summary** button.



The screenshot shows a configuration summary for 'VerifonePayment'. At the top, there is a dark blue header with the text 'VerifonePayment' in white. Below the header, there is a light gray background. On the right side, there is an orange button with the text 'Display configuration summary'. Below the button, there are two rows of configuration details. The first row has the label 'Title' on the left and a text input field containing 'Verifone Payment - All in One' on the right. The second row has the label 'Enabled' on the left and a dropdown menu showing 'Yes' with a downward arrow on the right.

| VerifonePayment | |
|-----------------|--------------------------------------|
| | Display configuration summary |
| Title | Verifone Payment - All in One |
| Enabled | Yes ▼ |

1. Default test configuration - use for testing with default keys.

| Configuration summary - Main Website | |
|---|--|
| Mode | Test |
| Verifone Payment merchant agreement code | demo-merchant-agreement ▲ Default test merchant agreement uses |
| Delayed success url | http://magento.dev/index.php/VerifonePayment/redirect/successDelayed/ ▲ This is the url that you need to copy to payment provider settings in their portal. |
| Key handling mode | Automatic (Simple) |
| Path and filename of Verifone Payment public key file | /var/docker_storage/workspace/projects/magento/app/code/community/Verifone/VerifonePayment/keys/verifone-e-commerce-test-public-key.pem ▲ Key file is available |
| Path and filename of shop private key file | Key file stored in database ▲ Default key file is used |

2. Custom test configuration - use for testing with custom merchant agreement code and keys

| Configuration summary - Main Website | |
|---|--|
| Mode | Test |
| Verifone Payment merchant agreement code | test-merchant-agreement |
| Delayed success url | http://magento.dev/index.php/VerifonePayment/redirect/successDelayed/ ▲ This is the url that you need to copy to payment provider settings in their portal. |
| Key handling mode | Manual (Advanced) |
| Path and filename of Verifone Payment public key file | /var/docker_storage/workspace/projects/magento/app/code/community/Verifone/VerifonePayment/keys/verifone-e-commerce-test-public-key.pem ▲ Key file is available |
| Directory for store keys | /var/docker_storage/workspace/keys ▲ Directory configured properly |
| Path and filename of shop private key file | /var/docker_storage/workspace/keys/test-merchant-private.pem ▲ Key file is available |

3. Production configuration

| Configuration summary - Main Website | |
|---|--|
| Mode | Production |
| Verifone Payment merchant agreement code | EC1234567890 |
| Delayed success url | http://magento.dev/index.php/VerifonePayment/redirect/successDelayed/ ▲ This is the url that you need to copy to payment provider settings in their portal. |
| Key handling mode | Automatic (Simple) |
| Path and filename of Verifone Payment public key file | /var/docker_storage/workspace/projects/magento/app/code/community/Verifone/VerifonePayment/keys/verifone-e-commerce-live-public-key.pem ▲ Key file is available |
| Path and filename of shop private key file | Key file stored in database ▲ Key file is available |
| Public key file | <pre> -----BEGIN PUBLIC KEY----- MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQC0R8e9SAzD8+60m0vH5c105Zse A1KxapJj+9D4omxJhuxpDxE2gfgoklK9w7s1bzU225t61oeKZCPljG3Qp4vTniH B/+0F8C6J9minlo5FFDcpkbwd/KjyXK0s9vCb8r/WFEKZM7yWw9s7MX6E0v/1T4a wRgyp4LSC3bM9U6jZwIDAQAB -----END PUBLIC KEY----- </pre> ▲ Please, copy this key to payment operator configuration settings, otherwise, the payment will be broken. |