



# Paypal sandbox configuration in magento

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Here we are going to learn that how to configure & integrate “Paypal Sandbox” in our magento site.

You will have to follow these steps to do so:

## **Step 1:**

Go to [developer.paypal.com](https://developer.paypal.com) and log in to your account. If you do not have an account yet, create one.

## **Step 2:**

Now login to your mailbox and verify the account. Here you might have to login again using the password you choose at the time of creating the account. After Successful login, you will be redirected to your dashboard as shown below:

The screenshot displays the PayPal Developer dashboard. The top navigation bar includes the 'PayPal Developer' logo, links for 'DOCUMENTATION', 'DASHBOARD', and 'SUPPORT', a search bar, and a user profile 'Manish' with a 'Log Out' button. The left sidebar lists various tools and sections: 'Dashboard', 'My Apps & Credentials' (highlighted), 'My Account', 'Sandbox' (with sub-links for 'Accounts', 'Notifications', 'Transactions', 'IPN Simulator', 'Webhooks Simulator', and 'Webhooks Events'), and 'Live' (with sub-links for 'Transactions' and 'Webhooks Events').

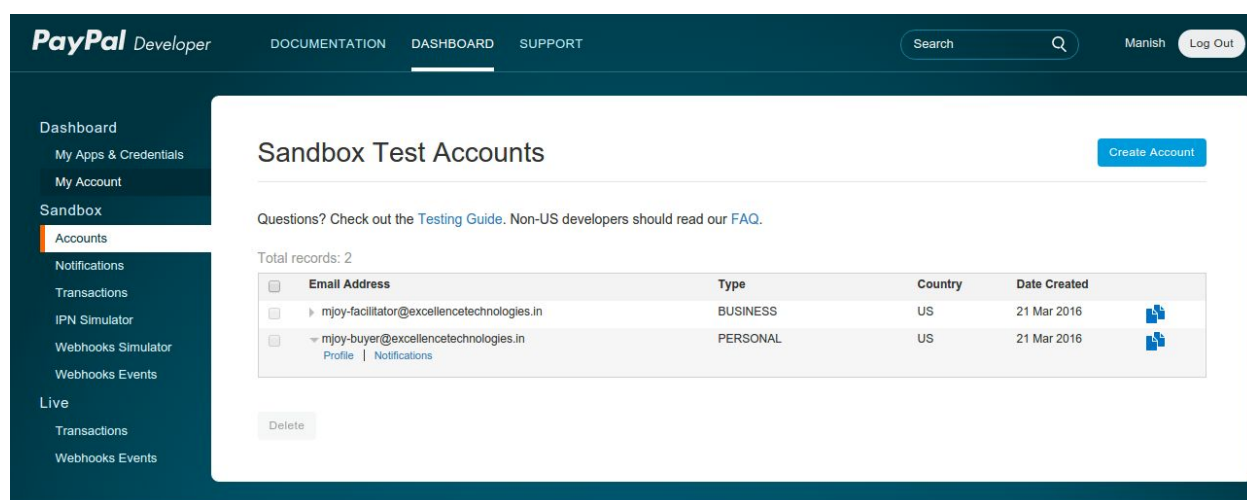
The main content area is titled 'My Apps & Credentials'. It features three primary sections:

- v.zero SDK**: A section for testing PayPal Checkout integration in the Sandbox using Braintree v.zero, with a link to 'set up instructions'. It includes a 'Request Credentials' section with a 'Select an Account' dropdown and a 'Generate Credential' button.
- REST API apps**: A section for creating apps to receive REST API credentials. It includes a 'Create App' button and a note about live transaction features.
- NVP/SOAP API apps**: A section for existing PayPal apps, explaining that they are now called NVP/SOAP API apps and providing a link to 'Create and manage NVP/SOAP API apps'.

The footer contains a 'PayPal Developer' logo and five columns of links: 'Documentation' (Make first REST call, REST API reference, NVP / SOAP API reference), 'Dashboard' (My apps, My account, Sandbox accounts, Sandbox transactions, Live transactions), 'Support' (FAQ, Stack Overflow, PayPal technical support, PayPal support), 'Resources' (PayPal on GitHub, Dev tools, Developer blog, API playground, Demo portal), and 'Our company' (PayPal, Braintree, Paydiant).

### Step 3:

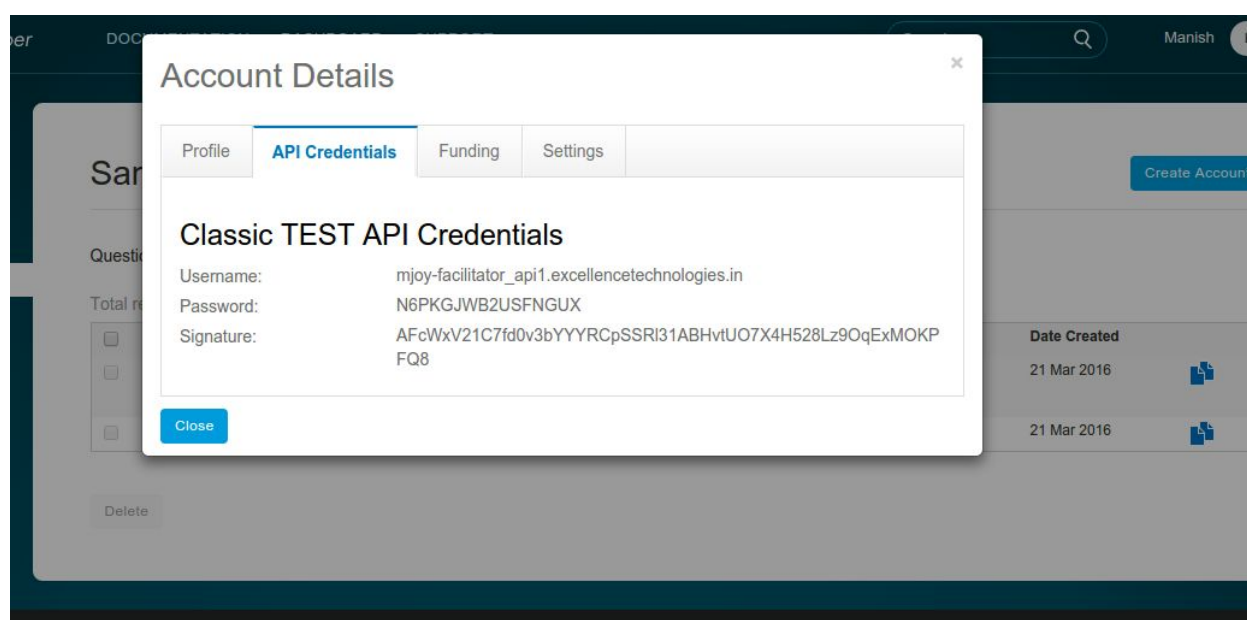
Go to "Accounts" tab. Here you will find two pre-configured accounts as follows:



Here, [mjoy-facilitator@excellencetechnologies.in](mailto:mjoy-facilitator@excellencetechnologies.in) is the merchant's test account and [mjoy-buyer@excellencetechnologies.in](mailto:mjoy-buyer@excellencetechnologies.in) is the buyer's test account.

#### Step 4:

Now click on [mjoy-facilitator@excellencetechnologies.in](mailto:mjoy-facilitator@excellencetechnologies.in) (Merchant's account) and then click on "Profile". You will get a pop-up like:



These popup contains the information that is to be used in magento to configure.

#### Step 5:

Login to your magento admin panel. Now go to System -> Configuration -> Sales -> Payment Method

Click on “PayPal Express Checkout” Group on right side of the panel and explore it as follows:

**Payment Methods** Save Config

Merchant Location	▼
PayPal All-in-One Payment Solutions <i>Accept and process credit cards and PayPal payments.</i>	▼
PayPal Payment Gateways	▼
PayPal Express Checkout	▼

Add another payment method to your existing solution or as a stand-alone option. [Help](#)

**PayPal Express Checkout** [Learn More](#)

Add PayPal as an additional payment method to your checkout page.

Check out with **PayPal** Configure

Saved CC	▼
Check / Money Order	▼
Zero Subtotal Checkout	▼
Bank Transfer Payment	▼
Cash On Delivery Payment	▼
Purchase Order	▼
Authorize.net Direct Post	▼
Authorize.net	▼

Now Click on “Configure” button and it will explore options like this:

**Configuration**

- EXCELLENCE TEST
  - User Details
- GENERAL
  - General
  - Web
  - Design
  - Currency Setup
  - Store Email Addresses
  - Contacts
  - Reports
  - Content Management
- TEMPLATES-MASTER
  - Easy Tabs
- VS EXTENSIONS
  - Bestseller Products
- CATALOG
  - Mdl Product Zoom
  - Catalog
  - Configurable Swatches
  - Inventory
  - Google Sitemap
  - RSS Feeds
  - Email to a Friend
- CUSTOMERS
  - Newsletter
  - Customer Configuration
  - Wishlist
  - Promotions
  - Persistent Shopping Cart
- SALES
  - Sales
  - Sales Emails
  - PDF Print-outs
  - Tax
  - Checkout
  - Shipping Settings
  - Shipping Methods
  - Google API
- Payment Methods**
  - Payment Services
  - Moneybookers

**PayPal Payment Gateways**

PayPal Express Checkout

Add another payment method to your existing solution or as a stand-alone option. [Help](#)

**PayPal Express Checkout** [Learn More](#)

Add PayPal as an additional payment method to your checkout page.

Check out with **PayPal** Close

**Required PayPal Settings**

**Express Checkout**

Email Associated with PayPal  [WEBSITE]

Merchant Account [Start accepting payments via PayPal](#)

API Authentication Methods **API Signature** [WEBSITE]

API Username  [WEBSITE]

API Password  [WEBSITE]

API Signature  [WEBSITE]

Get Credentials from PayPal Sandbox Credentials

Sandbox Mode **No** [WEBSITE]

API Uses Proxy **No** [WEBSITE]

Enable this Solution **No** [WEBSITE]

Enable PayPal Credit **No** [WEBSITE]

PayPal Express Checkout lets you give customers access to financing through PayPal Credit® - at no additional cost to you. You get paid up front, even though customers have more time to pay. A pre-integrated payment button lets customers pay quickly with PayPal Credit®. [Learn More](#)

**Advertise PayPal Credit**

**Basic Settings - PayPal Express Checkout**

Title **PayPal Express Checkout** [STORE VIEW]

> It is recommended to set this value to "PayPal" per store views.

Sort Order  [STORE VIEW]

Payment Action **Authorization** [WEBSITE]

Display on Product Details Page **Yes** [STORE VIEW]

[Advanced Settings](#)

Saved CC	▼
Check / Money Order	▼
Zero Subtotal Checkout	▼

Enter the email id used to login to PayPal Sandbox in “Email Associated with PayPal Merchant Account” field.

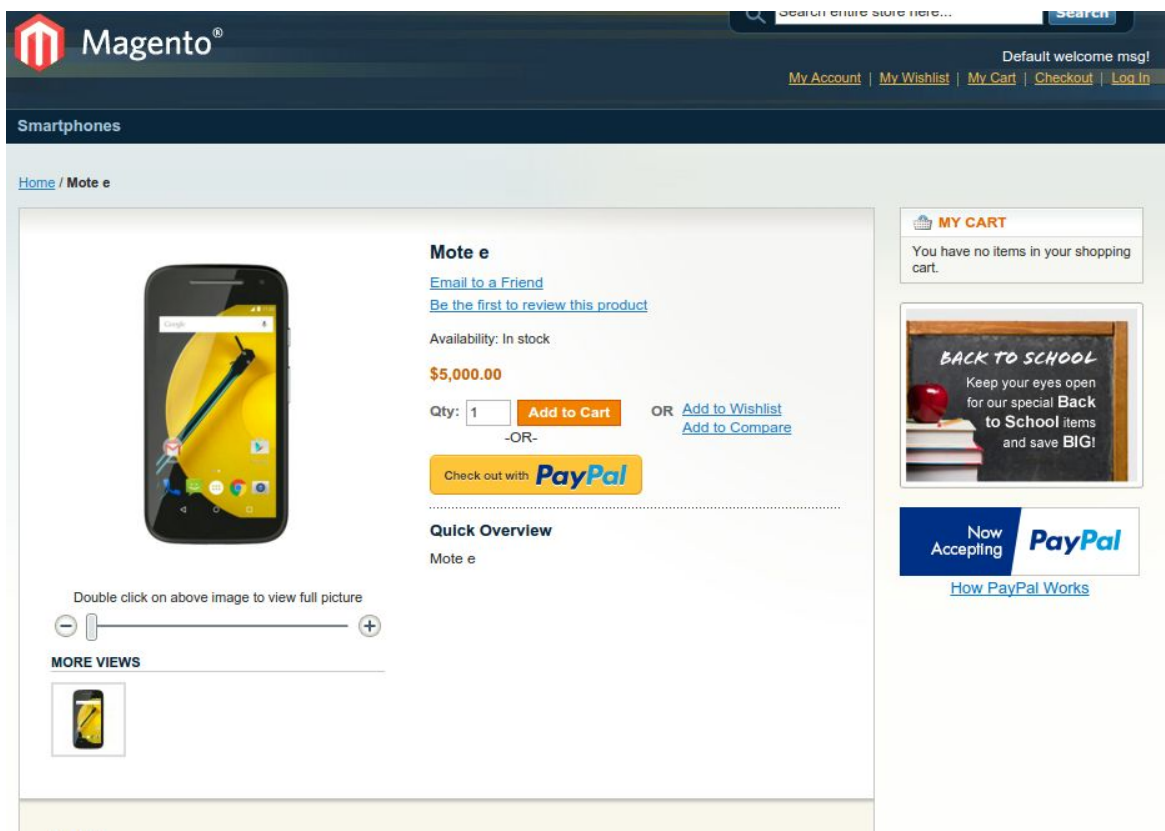
In step 4, you have received the Username, Password and Signature in the popup window. Enter those credentials into API Username, API Password & API Signature fields respectively.

Set “Sanbox Mode” mode to Yes.

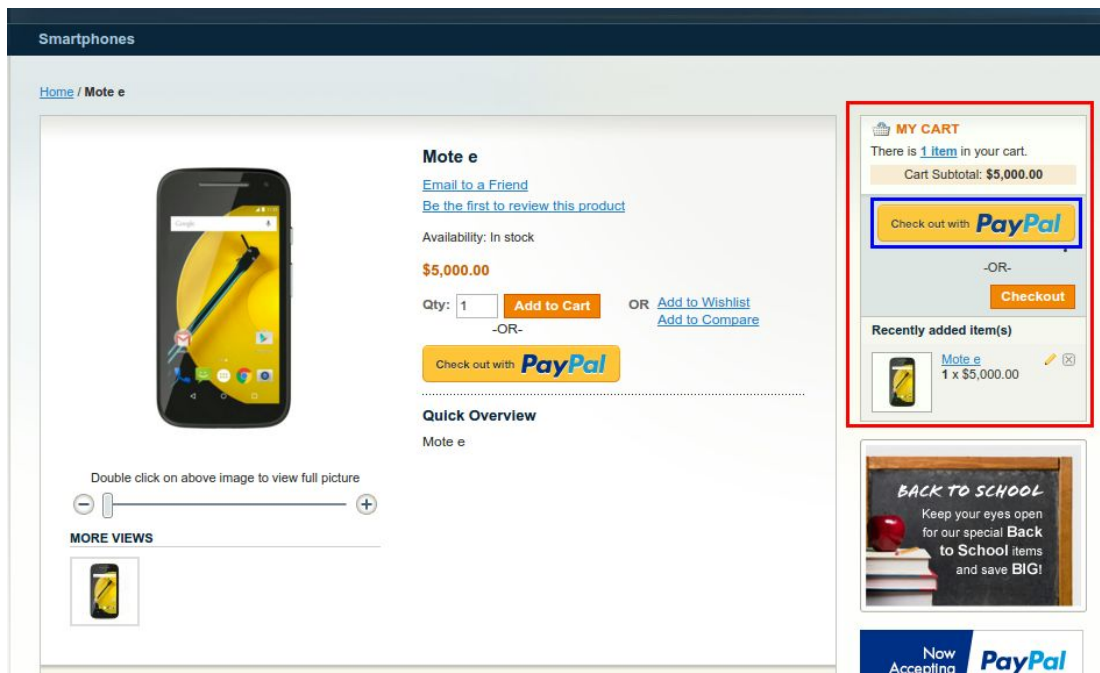
**Now you are all set. The Gateway is configured and integrated.**

## Testing the gateway integration:

Now after correctly following above steps, when you go to your front end and open any product, then you will see “Checkout with Paypal” button under “Add to Cart” button



When you add product to cart, you may see the same button in the sidebar “My cart” block as well

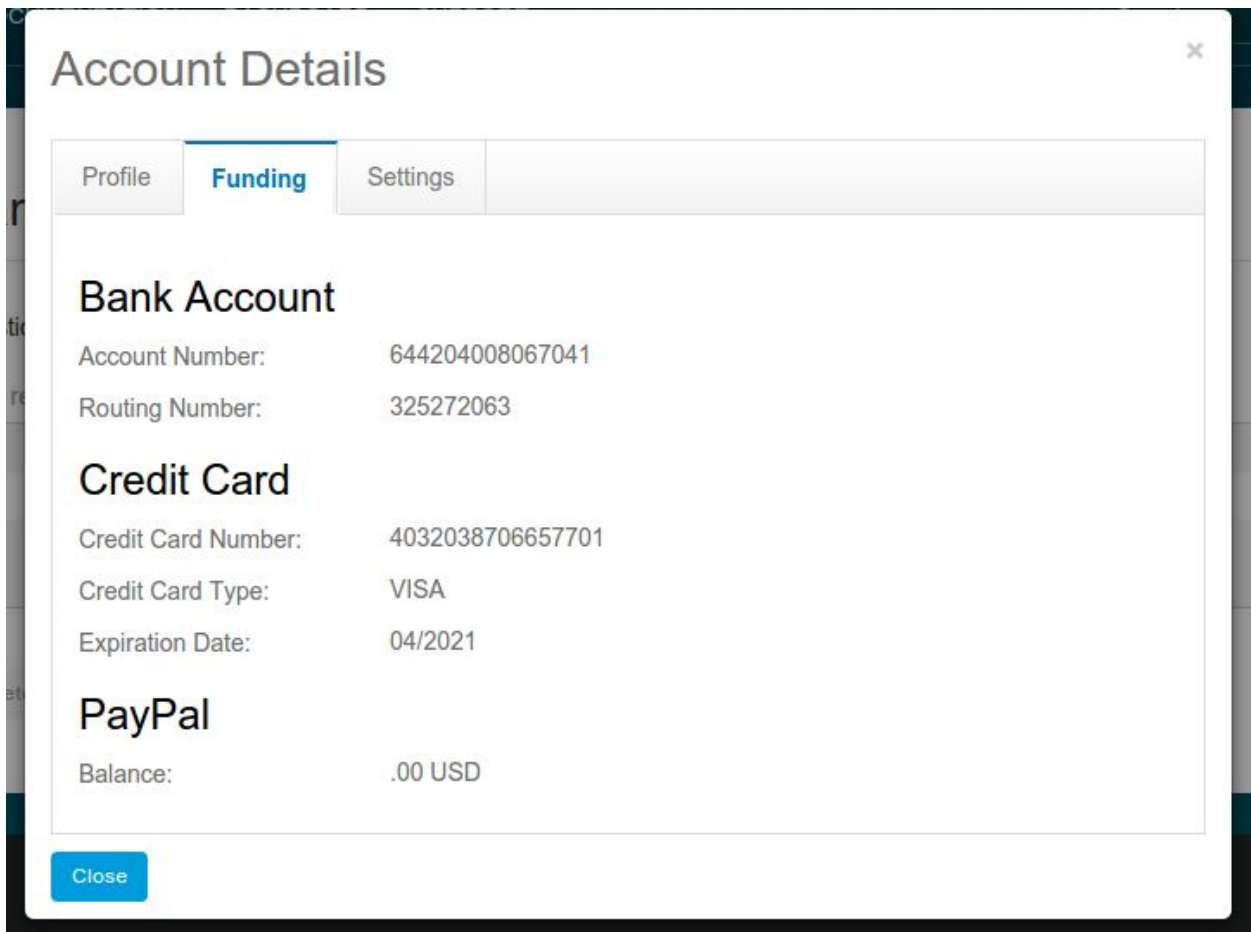


Now click on the “Checkout with PayPal” button and you will be redirected to the paypal payment page. Use your Buyer’s test account and password to login to it and make the payment.

You May also do checkout through alternate method. When you have added product to cart then click on checkout and under payment section, you will find find PayPal 7 PayPal Credit payment methods. Choose any one and click continue and you will be redirected to the PayPal website. Now use the method explained above to make the payment.

### Extras:

In sandbox dashboard, when you click on [mjoy-buyer@excellencetechnologies.in](mailto:mjoy-buyer@excellencetechnologies.in) (i.e. the buyer’s test account) and click on profile then you will find a popup window containing some information as follows:



The screenshot shows a 'Account Details' dialog box with a close button (X) in the top right corner. It has three tabs: 'Profile', 'Funding' (which is selected), and 'Settings'. Under the 'Funding' tab, there are three sections: 'Bank Account', 'Credit Card', and 'PayPal'. Each section contains a label and a value.

Section	Field	Value
Bank Account	Account Number:	644204008067041
	Routing Number:	325272063
Credit Card	Credit Card Number:	4032038706657701
	Credit Card Type:	VISA
	Expiration Date:	04/2021
PayPal	Balance:	.00 USD

At the bottom left of the dialog box is a blue 'Close' button.

You may use this information to checkout using paypal credit. When you first time login to your sandbox account then you will find some balance (Virtual) in in buyer's account. As i have used my balance to buy products during test so its showing .00 USD over here.

### Instant Payment Notification:

Instant Payment Notification (IPN) is a message service that automatically notifies merchants of events related to PayPal transactions. Merchants can use it to automate back-office and administrative functions, including automatically fulfilling orders and providing customers with order status.

Instant Payment Notification (IPN) notifies merchants almost instantly about transaction events, such as:

- Payments received, including Express Checkout, and Adaptive Payments.
- Credit card authorizations.
- eCheck payments and related pending, completed, or denied status events.
- Recurring payments and subscription actions.



- Chargebacks, disputes, reversals, and refunds.

## Setting up IPN:

To setup IPN and enable/disable IPN, you need to follow these steps:

1. Log in to your PayPal business account at [www.paypal.com](http://www.paypal.com).
2. Click the profile icon on the top right side of the page. From the Business Profile menu, select Profile and Settings, then select My selling tools
3. Click the Update link in the Instant payment notifications row, in the Getting paid and managing my risk section.
4. If you don't find these options, simply login to your PayPal business account at [www.paypal.com](http://www.paypal.com) and go to [https://www.paypal.com/in/cgi-bin/?cmd=\\_profile-ipn-notify&fli=true](https://www.paypal.com/in/cgi-bin/?cmd=_profile-ipn-notify&fli=true). Here you will find the options as follows:

**Instant Payment Notification (IPN)** [Back to My Profile](#)

Instant Payment Notification (IPN) is a PayPal feature that sends messages about payments (and other transactional events) directly from PayPal to your website(s)' back-end systems. You can view up to 28 days worth of messages. You can also:

- Resend messages not received by your website(s)' back-end systems
- Temporarily stop receiving messages (useful when performing maintenance on your back-end systems)

Messages are generated but stored at PayPal until you start receiving them again.

Use the IPN feature in these situations:

- Your service provider, cart provider or website developer has asked you to
- You have back-end systems that require IPN messages to automate business processes, such as creating shipping notifications and inputs to accounting applications.

[Learn more](#) about the IPN feature.

To start or stop receiving IPN messages and to decide where to send them, click the **Choose IPN Settings** button.

**Choose IPN Settings**

5. Click on “Choose IPN Settings” button. It will open following window:

**Edit Instant Payment Notification (IPN) settings** [Back to My Profile](#)

PayPal sends IPN messages to the URL that you specify below.

To start receiving IPN messages, enter the notification URL and select **Receive IPN messages** below. To temporarily stop receiving IPN messages, select **Do not receive IPN messages** below. PayPal continues to generate and store IPN messages until you select **Receive IPN messages** again (or turn off IPN).

Notification URL

IPN messages

☐ Receive IPN messages (Enabled)

☒ Do not receive IPN messages (Disabled)

**Save** **Cancel**



6. Enter your notification URL (IPN URL) which is generally in format of <https://mystore.com/paypal/ipn> in case of magento. Otherwise it might be different that you need find out.
7. In IPN Messages section, choose "Receive IPN messages (Enabled)" if you want to enable IPN otherwise choose "Do not receive IPN messages (Disabled)".
8. Click "Save" and you are all set to use IPN. It will show message like follows on successful setup:

#### Instant Payment Notification (IPN)

[Back to Profile Summary](#)

You have turned on the IPN feature. You can view your IPNs on the [IPN History page](#). If necessary, you can resend IPN messages from that page. For more information on using and troubleshooting this feature, read more about [Instant Payment Notification \(IPN\)](#).

To stop receiving IPNs permanently, click **Turn Off IPN**.

##### Current settings

Notification URL	<a href="https://mycompany.com/ipn_handler">https://mycompany.com/ipn_handler</a>
Message delivery	Enabled

[Edit settings](#)

[Turn Off IPN](#)

That's all folks!