

How to Setup NSE for PayPal

Prerequisites:

Nomadix Gateway setup to respond to a DNS name to a public IP address
SSL Certificates associated with the above name
PayPal Account (Premier or Business Level to receive payments)

1. Setup PayPal Account

Log into your PayPal account at <https://developer.paypal.com>

NOTE: Before proceeding to set up a Live account, it is required that you already have a Premier or Business Account with PayPal.

Once you have logged into your PayPal account under the Developer Tools, scroll down and create a Rest API App.

Click on the 'Create App' in the REST API section:

REST API apps

Create an app to receive REST API credentials for testing and live transactions.

Note: Features available for live transactions are listed in your [account eligibility](#).

Create App

App Name	Type	Actions
Create your first app to view it here.		

Create a Name for the App and validate the e-mail assigned to the account:

Create New App

Create an app to receive REST API credentials for testing and live transactions.

Application Details

App Name
NomadixNSE

Sandbox developer account
nomadix@nomadix.com (US)

As a reminder, all apps created under your account should be related to your business and the type of business it conducts.
By clicking the button below, you agree to [PayPal Developer Agreement](#).

Create App

Click on 'Create App'

Set the App to 'Live', if you want to start accepting payments

NOTE: For testing purposes the same steps should be followed in Sandbox mode first, then followed in 'Live' mode to accept actual charges.

NomadixNSE



Add Webhook by clicking on 'Add Webhook' in the Live Webhooks section

LIVE WEBHOOKS

Configure webhooks to notify your app when certain events occur. To configure a webhook, define your webhook listener URL and a list of events for which to listen. You can configure up to ten webhooks. Each webhook can subscribe to either specific events or all events. To learn more about webhooks, see [webhooks notifications](#).

Webhook	Webhook ID	Events tracked
This app has no webhooks.		

[Add Webhook](#)

Enter the Webhook URL: https://nse_dns_name/rpm/paypal/webhook.htm where nse_dns_name is the network accessible DNS name that is configured on your Nomadix box. (i.e. nomadix1.dyndns.org)

NOTE: Confirm that there are valid SSL certificates loaded on the Nomadix using the network accessible DNS name configured as the Webhook URL (See SSL section in the NSE User Guide) The Private Key created during the certification process needs to be named cakey.pem. The key file received signed by the Certificate Authority needs to be named server.pem and both .pem files need to be uploaded to the Nomadix root FTP directory.

Confirm that 'Payment sale completed' is checked. (Other options can be enabled but are not required)

Then Click 'Save'

LIVE WEBHOOKS

Important: Make sure that you entered the correct URL to receive webhooks when events occur in your account. You must keep the URL up-to-date and are responsible for the safety and security of the data that you transmit through webhooks.

Webhook Url

Event types

- All events
- Billing plan created
- Billing plan updated
- Billing subscription cancelled
- Billing subscription created
- Billing subscription re-activated
- Billing subscription suspended
- Billing subscription updated
- Customer dispute created
- Customer dispute resolved
- Identity authorization-consent revoked
- Invoicing invoice cancelled
- Invoicing invoice created
- Invoicing invoice paid
- Invoicing invoice refunded
- Invoicing invoice updated
- Merchant onboarding completed
- Payment authorization created
- Payment authorization voided
- Payment capture completed
- Payment capture denied
- Payment capture pending
- Payment capture refunded
- Payment capture reversed
- Payment order cancelled
- Payment order created
- Payment payouts-item blocked
- Payment payouts-item canceled
- Payment payouts-item denied
- Payment payouts-item failed
- Payment payouts-item held
- Payment payouts-item refunded
- Payment payouts-item returned
- Payment payouts-item succeeded
- Payment payouts-item unclaimed
- Payment payoutsbatch denied
- Payment payoutsbatch processing
- Payment payoutsbatch success
- Payment sale completed
- Payment sale denied
- Payment sale pending
- Payment sale refunded
- Payment sale reversed
- Risk dispute created
- Vault credit-card created
- Vault credit-card deleted
- Vault credit-card updated

LIVE WEBHOOKS

Webhook added successfully x

Configure webhooks to notify your app when certain events occur. To configure a webhook, define your webhook listener URL and a list of events for which to listen. You can configure up to ten webhooks. Each webhook can subscribe to either specific events or all events. To learn more about webhooks, see [webhooks notifications](#).

Webhook	Webhook ID	Events tracked	
https://www.nomadix.com/rpm/paypal/webhook.htm	61727121V3090922J	Payment sale completed	

Congratulations you have successfully setup your PayPal account to work with the Nomadix NSE

Now gather the following information to configure in the Nomadix UI:

- a. Webhook ID
- b. Client ID
- c. Secret

Client ID and Secret are found in the App credentials section

Click on 'Show' to display the Secret

LIVE API CREDENTIALS

Sandbox account
nomadix-facilitator@nomadix.com

Client ID
AYA1XW4nM0yqieUWyaP6CyS4xcMeDLGHYAR4SHdnMVL7uNuaVEojEJQvbM5Yg41t4hp9Ky91HsQZi1E

Secret
[Hide](#)

Note: When you generate a new secret, you still maintain the original secret. The maximum number of client secrets is two. A client secret is either in enabled or disabled state.

Created	Secret	Status	Action
Jul 11, 2017	ENCT3mtF7ZruNBs7tLLvcjTeB-oDeu4tTCNvt0_dVcEcwXi-Qty3d7FTojqQfQZg55Qd0o1O2QdbAinJ	Enabled	Disable

[Generate New Secret](#)

2. Setup Nomadix NSE

Configure the Nomadix UI under Configuration -> AAA -> Internal Web server

- a. Enable PayPal and expand that section
- b. Enter the PayPal App Name
- c. Check the box if it is a live environment (Leave unchecked if testing with a sandbox environment)
- d. Enter the Client ID from the App Credentials in your developer.PayPal.com account
- e. Check the box next to 'Change Secret'
- f. Enter the Secret from the App Credentials in your developer.PayPal.com account
- g. Enter the Webhook ID

NOTE: Smart Client should be disabled for PayPal to work properly currently

Production
AG 5900 v8.10.011

Language Selection

Configuration

- AAA

Authentication Authorization and Accounting Settings

AAA Services Enable

Options Internal Web Server External Web Server

PayPal Service

Enabled

PayPal App Name NomadixNSE

Live Environment Enable

Client ID AYA1XW4nM0yqieUWyaP6Cy54xcMeDLGHHYAF

Change Secret ENCT3mtF7ZruNBs7tLLvcJTeB-oDeu4tTCNvt0_d (write-only)

Webhook ID 61727121V3090922J

Smart Client Support Enabled

Configure Pass-through addresses on the NSE under Configuration -> Passthrough Addresses

Passthrough addresses to be entered:

- *.paypal.com:443
- www.paypalobjects.com:443
- www.sandbox.paypal.com:443

NOTE: www.sandbox.paypal.com only required for sandbox testing not required for live setup

Passthrough Address Settings

Which sites should AG always permit access to?

Passthrough Addresses Enabled

 Save

Please enter either an IP address or a DNS name and click on one of the provided buttons. Up to 301 Passthrough Addresses can be entered.

IP/DNS Name:

+ Add

- Remove

Note: DNS name should not contain protocol or path information.

Current Passthrough Addresses

DNS Names:

www.nomadix.com

*.paypal.com:443

*.paypalobjects.com:443

www.sandbox.paypal.com:443

IPv4 addresses:

Number of Passthrough Addresses: 4

NOTE: When using Access control, the SSL port cannot be changed off 443 to continue supporting PayPal.

NOTE: When using Source based access control Go to the following URL and Select the identified option and IP address for that option dependant on Sandbox or Live account.

Sandbox:

<https://www.PayPal-knowledge.com/infocenter/index?page=content&widgetview=true&id=FAQ1157>

Select ipn.sandbox.PayPal.com

Live:

<https://www.PayPal-knowledge.com/infocenter/index?page=content&widgetview=true&id=FAQ1056>

Select notify.PayPal.com