

TrustPay Notifier doc

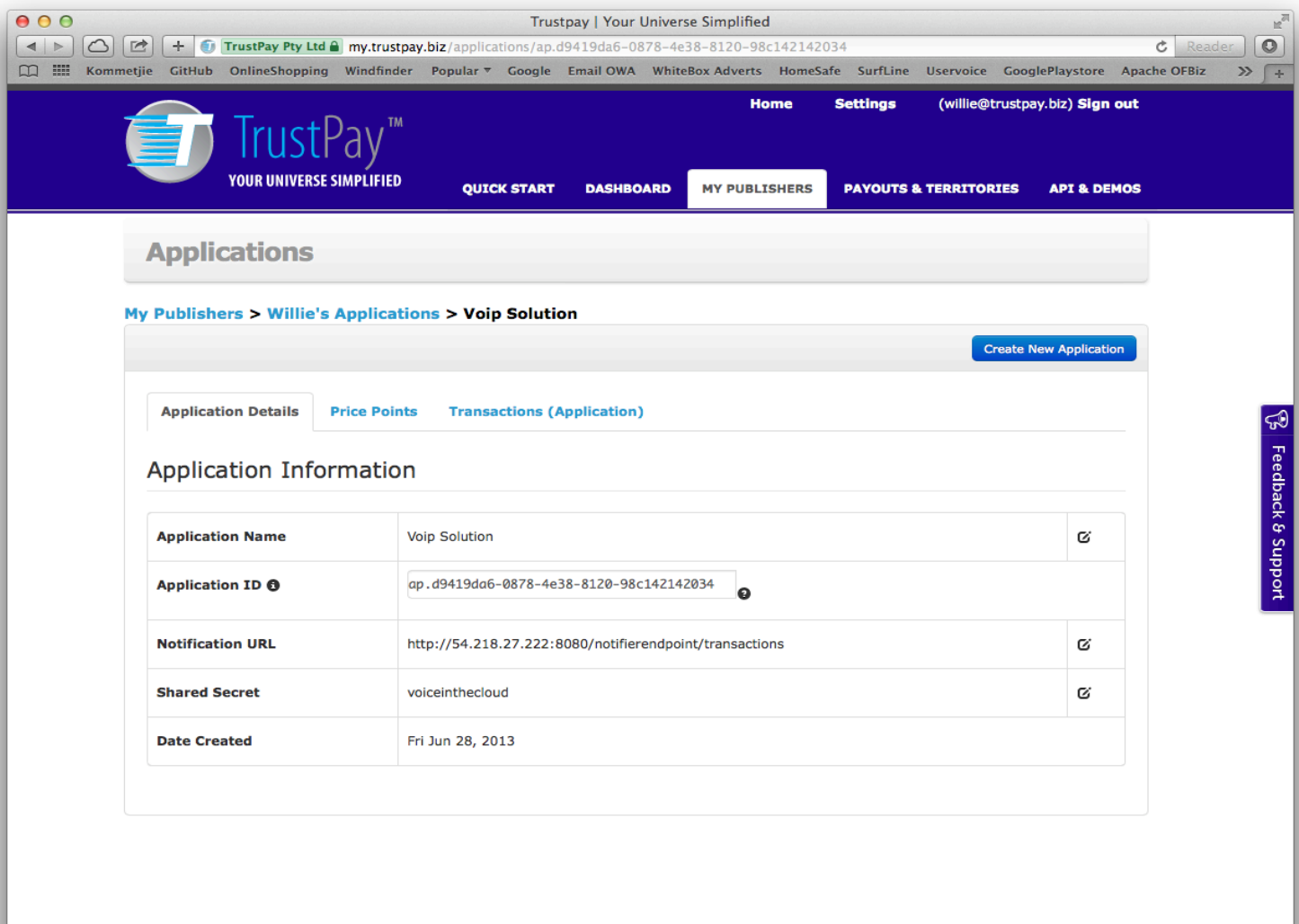
Version 1.2

2014-07-16

Trust Pay silent Notification description:

Upon completion of all transactions, we enable developers to receive a silent, secure notification thereof at an endpoint of their choice.

When a developer registers a new application on <https://my.trustpay.biz>, the following information needs to be entered to enable the notification process:



The screenshot shows the TrustPay web interface. The top navigation bar includes the TrustPay logo, 'YOUR UNIVERSE SIMPLIFIED', and links for Home, Settings, and Sign out. Below this is a secondary navigation bar with links for QUICK START, DASHBOARD, MY PUBLISHERS (active), PAYOUTS & TERRITORIES, and API & DEMOS. The main content area is titled 'Applications' and shows a breadcrumb trail: 'My Publishers > Willie's Applications > Voip Solution'. A 'Create New Application' button is visible. The 'Application Details' tab is selected, displaying a table with the following information:

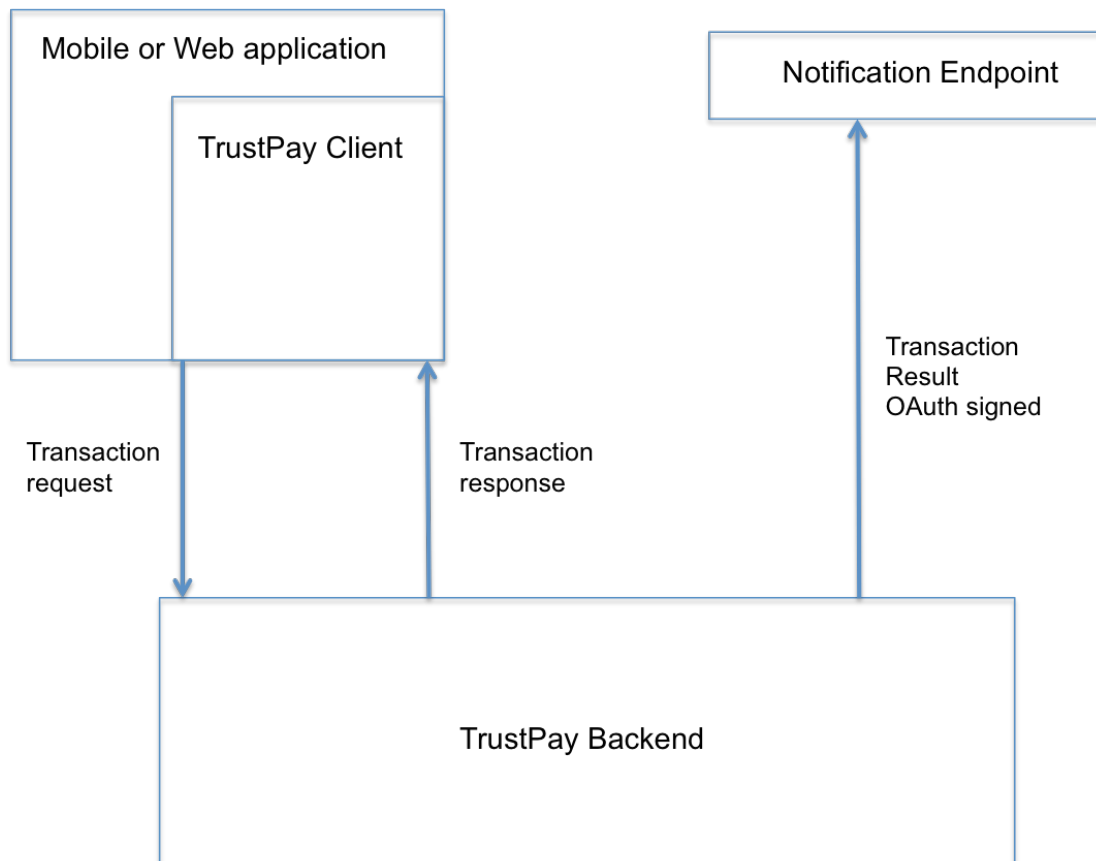
Application Information		
Application Name	Voip Solution	✎
Application ID ⓘ	ap.d9419da6-0878-4e38-8120-98c142142034 ⓘ	
Notification URL	http://54.218.27.222:8080/notifierendpoint/transactions	✎
Shared Secret	voiceinthecloud	✎
Date Created	Fri Jun 28, 2013	

A vertical 'Feedback & Support' button is located on the right side of the page.

The **Notification URL** is a HTTP endpoint where the developer wants to receive notifications.

The **Shared Secret** is a secret with which the notification will be signed utilizing the OAuth open protocol for secure authorization.

The process flow for a transaction, including the notification is as follows:



Please note the notification url **MUST BE ON EITHER PORT 80 OR PORT 443** as we have firewall rules guarding outbound traffic. If any other port is required, please contact support@trustpay.biz with a port request.

An example of the notification that gets sent to the endpoint is:

http://www.notificationurl.com/notification?amount=5.0&application_id=ap.631c6b3f-7abc-4e0e-b134-16a4617e661c&consumermessage=¤cy=ZAR&description=KwaitoGospel11&istest=false&method=CARRIER+BILLING&oauth_consumer_key=ap.631c6b3f-7abc-4e0e-b134-16a4617e661c&oauth_nonce=7450818846975794560&oauth_signature=geLYgBzbg9cE%2F%2BIh13IQgxIcd3M%3D&oauth_signature_method=HMAC-SHA1&oauth_timestamp=1383121399&oauth_version=1.0&status=SUCCESS&tp_

transaction_id=TP1377252724247&transaction_id=dce6bd93b61e9a821ecd476673197e8c&transaction_time=2013-11-12T06%3A33%3A37Z&user_id=27138423789

The parameters are as follows:

amount : the amount that the transaction was for.

application_id : The application id as generated by TrustPay upon application registration.

currency : the currency that the transaction took place in.

consumermessgae : A message for the user if the transaction failed, the developer can choose to relay the message to the user or to ignore the message.

description : The description for the transaction, created by the developer and passed into the TrustPay client.

Istest : Indicates if this is a LIVE or a TEST transaction. Product should only be released if the transaction is a LIVE transaction.

method : The payment method that was used to process the transaction.

Status: Either SUCCESS or FAILED

transaction_id : The developer's transaction id that gets passed into the TrustPay client.

tp_transaction_id : The transaction id that TrustPay creates and assigns to the transaction.

transaction_time : the server date and time that the transaction result was received. This will be in GMT.

user_id : The user id that gets passed into the TrustPay client by the developer.

oauth_consumer_key : the application's vendor_id as created by TrustPay on my.trustpay.biz when the application gets registered.

oauth_signature : signature gets generated via the Shared Secret using the OAuth methodology.

oauth_nonce: Part of OAuth protocol

oauth_signature_method: Part of OAuth protocol

oauth_timestamp: Part of OAuth protocol

oauth_version: Part of OAuth protocol

It is up to the developer then to validate the signature and accept or reject the notification.

A detailed definition of the OAuth protocol can be found at :

<http://tools.ietf.org/html/rfc5849>

A open source OAuth java project can be found at:

<https://code.google.com/p/oauth-signpost/>

An example OAuth verification java based project can be cloned from:

[git@github.com:trustpay/TrustPay_OAuth_Verification.git](https://github.com/trustpay/TrustPay_OAuth_Verification.git)

This project was developed in Netbeans 7.4 using Tomcat 7 as the servlet container.

Changes

Date	Version	Changes
2013-11-21	1.0	Creation
2013-12-10	1.1	Changed OAuth params to URL and retry strategy.
2014-07-16	1.2	Added istest to URL parameters