SEGPAY

SEGPAY'S PROCESSING API FOR MERCHANTS

Integration Guide

Version 1.3
Date: November 20, 2017

Table of Contents

Version Tracking

Version Number	Modification Date	Modified By	Changes Completed
1.00	04/20/2015	Product Development	Initial Documentation Completed
1.10	10/11/2016	Product Development	General Document update
1.20	07/11/2017	Product Development	Updated references/images for new Merchant Portal
1.30	11/20/2017	Product Development	Added Testing Payments section

Executive Summary

The display of the SegPay payment page is determined by how you request it. This document will show you how to set up your payment links (or "button codes") to trigger different versions of the payment page. For example, you can:

➢ Pre-populate specific fields in the payment form, such as first/last name and email.

➢ Offer one, multiple, or all of your price points for a consumer to choose.

➢ Show languages other than English.

➢ Show currencies other than USD, EUR or GBP (for Europe-based merchants).

➢ Set up postback notifications to make sure the correct data is passed to you after events such as payment and cancellation.

➢ Offer existing consumers "one click" payment (no need to re-enter card details) and/or "instant conversion" (immediate access to full membership before a trial period ends).

Base URL

Go to the SegPay Merchant Portal – at mp.segpay.com - or the spreadsheet your SegPay rep gave you, and grab the button code from one of your payment profiles. This is your base URL for that payment profile. Here is an example:

```
https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097
```

(Note that the **x-eticketid** value in the URL above is just an example. It will be different in your base URL.)
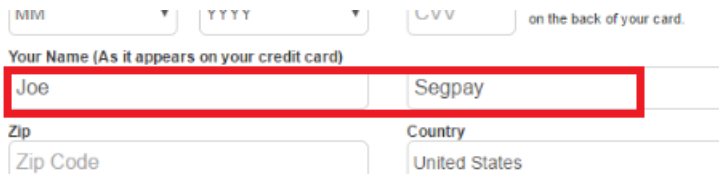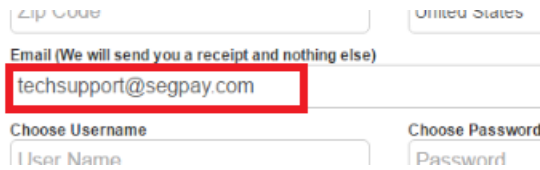
Use that URL to request the base version of your payment page, which includes all of the price points and cross sell info for the website this package is assigned to.
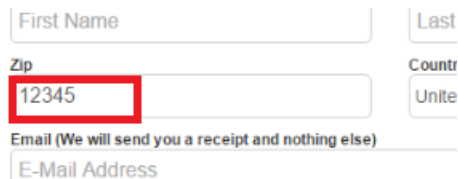
Now let's discuss how to change the display of the payment page, so you can customize it for different scenarios simply by adding parameters to your base URL.

Pre-populate Fields or Request Data

By adding parameters to the base URL, you can pass information from your site to the payment page, to pre-populate fields in the payment form, display links or text after the transaction, or to request that specific data be captured during payment and passed back to you when the transaction is complete.

Here are some examples:
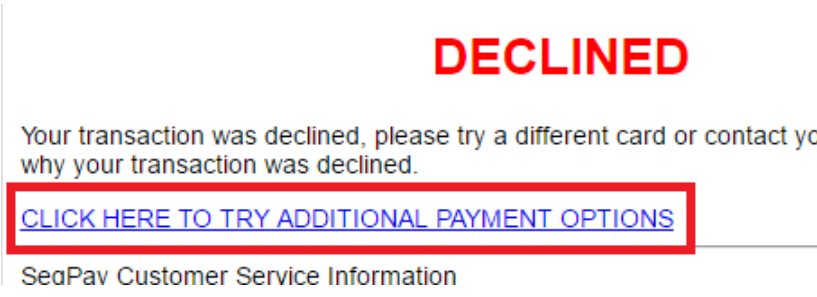
Parameter	What it Sends/How to Use it
x-billname	The consumer's First and Last name. **Get Request (append to base URL):** &x-billname=Joe+Segpay **Post Request:** <input type="hidden" name="x-billname" value="Joe SegPay"> **Payment page display:**
x-billemail	The consumer's email address. **Get Request (append to base URL):** &x-billemail=techsupport%40segpay.com **Post Request:** <input type="hidden" name="x-billemail" value="techsupport@segpay.com"> **Payment page display:**
x-billaddr	The consumer's street address *(No longer a default field on payment page. Please ask your SegPay rep if you would like to display this field).* **Get Request (append to base URL):** &x-billaddr=123+Fake+Street

	Post Request: <input type="hidden" name="x- billaddr" value="123 Fake Street">

x-billcity	The consumer's city
	No longer a default field on payment page. Please ask your SegPay rep if you would like to display this field).
	Get Request (append to base URL):
	
	     &x-billcity=Las+Vegas
	
	Post Request:
	
	     <input type="hidden" name="x- billcity" value="Las Vegas">

x-billstate	The consumer's state/province/territory*
	No longer a default field on payment page. Please ask your SegPay rep if you would like to display this field).
	
	     *Ask your SegPay rep for list of valid entries. Here's an example, using ND for North Dakota.
	
	Get Request (append to base URL):
	
	     &x-billstate=ND
	
	Post Request:
	
	     <input type="hidden" name="x- billstate" value="ND">

x-billzip	The consumer's zip/postal code.
	
	Get Request (append to base URL):
	
	     &x-billzip=12345
	
	Post Request:
	
	     <input type="hidden" name="*x-billzip*" value="12345">
	
	Payment page display:

x-billcntry	The consumer's country.* *Ask your SegPay rep for list of valid entries. Here's one example, using US for the United States: **Get Request (append to base URL):**

	&x-billcntry=US **Post Request:** <input type="hidden" name="*x-billcntry*" value="US"> **Payment page display:**

merchantpartnerid	An affiliate partner that will link to your payment page to send referrals. *Merchantpartnerid appears in transaction reports and helps both you and SegPay's Risk Management team manage the transactions coming from your affiliate program. (Used for post back only; no display on payment page).*
	
	Get Request (append to base URL):
	
	    &merchantpartnerid=anyvalue
	
	Post Request:
	
	    <input type="hidden" name="merchantpartnerid" value="anyvalue">

x-auth-link	*Specify the link that displays for the consumer after an authorized transaction.*
	
	Get Request (append to base URL):
	
	    &x-auth-link=http%3A%2F%2Fwww.mywebsite%2Fmembersarea%2Findex.htm
	
	Post Request:
	
	    <input type="hidden" name="x-auth-link" value="http://www.yoursite.com/members/Index.htm">
	
	Payment page display:

x-auth-text	*Combine with x-auth-link to specify text for the link that displays after an authorized transaction.* **Get Request (append to base URL):** x-auth-link=http%3A%2F%2Fwww.mywebsite%2Fmembersarea%2Findex.htm&x-auth-text=CLICK+HERE+TO+SIGNIN+TO+THE+MEMBERS+AREA!

	Post Request:
	
	    `<input type="hidden" name="x-auth-link"`
	    `value=http://www.mywebsite/membersarea/index.htm" name="x-auth-text"`
	    `value="CLICK HERE TO SIGNIN TO THE MEMBERS AREA!">`
	
	Payment page display:

x-decl-link	Specify the link that displays for the consumer after a declined transaction.
	
	Get Request (append to base URL):
	
	    `&x-decl-`
	    `link=http%3A%2F%2Fwww.yoursite.com%2FLinkToOtherPaymentOptions`
	
	Post Request:
	
	    `<input type="hidden" name="x-decl-link"`
	    `value="http://www.yoursite.com/LinkToOtherPaymentOptions">`
	
	Payment page display:

x-decl-text	Combine with x-decl-link to specify text for the link that displays after a declined transaction.
	
	Get Request (append to base URL):
	
	    `&x-decl-`
	    `link=http%3A%2F%2Fwww.yoursite.com%2FLinkToOtherPaymentOptions&x-`
	    `decl-text=CLICK+HERE+TO+TRY+ADDITIONAL+PAYMENT+OPTIONS`
	
	Post Request:
	
	    `<input type="hidden" name="x-decl-link"`
	    `value=http://www.yoursite.com/LinkToOtherPaymentOptions name="x-decl-`
	    `text" value=" CLICK HERE TO TRY ADDITIONAL PAYMENT OPTIONS">`

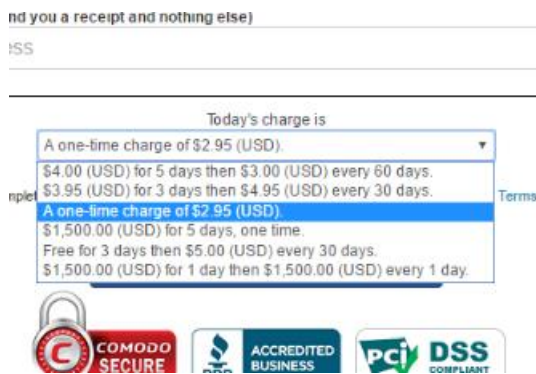|	
	Payment page display: **DECLINED** Your transaction was declined, please try a different card or contact yo why your transaction was declined. CLICK HERE TO TRY ADDITIONAL PAYMENT OPTIONS SegPay Customer Service Information
username	*The consumer's username.*** **Get Request (append to base URL):** &username=anyvalue **Post Request:** <input type="hidden" name="username" value="anyvalue">
Password	*The consumer's password. *** **Get Request (append to base URL):** &password=anyvalue **Post Request:** <input type="hidden" name="password" value="anyvalue">
CrossSaleOff	*Choose whether the cross-sell options assigned to your payment package display on the payment page.* **Get Request (append to base URL):** &CrossSaleOff=1 – Does not display cross sell. &CrossSaleOff=0 (or simply exclude this parameter) – Displays the cross sell.
User-defined pass-through parameters. Examples: *memberID* *sessionID*	*Your own user-defined data.* You can pass your own user-defined data to SegPay (data that gets dynamically-generated by your system) using parameters such as memberID or sessionID. There is no limit to the number of user defined parameters you can create and send to SegPay. However, values are limited to 32 characters and cannot begin with a number. User defined parameters are stored together in a field called USERDATA and are included in the transaction detail report on sa.segpay.com and the SegPay Reporting Services (SRS) transaction reports. **Get Request (append to base URL):**

	&memberID=EnterMemberID &sessionID=XXXX Example sending the following parameters: email address, zip code, username, password, memberID, an auth link with text and a declined link with text. https://secure2.segpay.com/billing/poset.cgi?x-eticketid=104885:1288&x-billemail=techsupport%40segpay.com&x-billzip=12345&username=anyuser&password=anypassword&memberid=anymemberID&x-auth-link=http%3A%2F%2Fwww.yoursite.com%2Fmembers&x-auth-text=CLICK+HERE+TO+SIGNIN+TO+THE+MEMBERS+AREA!&x-decl-link=http%3A%2F%2Fwww.yoursite.com%2FLinkToOtherPaymentOptions&x-decl-text=CLICK+HERE+TO+TRY+ADDITIONAL+PAYMENT+OPTIONS **Post Request:** ``` <form method="post" action="https://secure2.segpay.com/billing/poset.cgi?x-eticketid=104855:1221"> <input type="hidden" name="x-billemail" value="techsupport@segpay.com "> <input type="hidden" name="x-billzip" value="12345"> <input type="hidden" name="username" value="anyuser"> <input type="hidden" name="password" value="anypassword"> <input type="hidden" name="memberID" value="anymemberID"> <input type="hidden" name="x-auth-link" value=" http://www.yoursite.com/members"> <input type="hidden" name="x-auth-text" value="CLICK HERE TO SIGNIN TO THE MEMBERS AREA!"> <input type="hidden" name="x-decl-link" value="http://www.yoursite.com/ LinkToOtherPaymentOptions"> <input type="hidden" name="x-decl-text" value="CLICK HERE TO TRY ADDITIONAL PAYMENT OPTIONS"> <input type="submit" name="Submit" value="Join Now"></form> ```
REF parameters	*Your own REF data.* You can define up to 10 REF values: REF1 - REF10. REF values are each stored in their own fields and reported separately from user-defined values. REF values are encrypted, for added security, when stored in our database. **Get Request (append to base URL):** &REF2= Example sending the following: email address, zip code, username, password, memberID, an auth link with text and a declined link with text. https://secure2.segpay.com/billing/poset.cgi?x-eticketid=104885:1288&REF1=XXXX
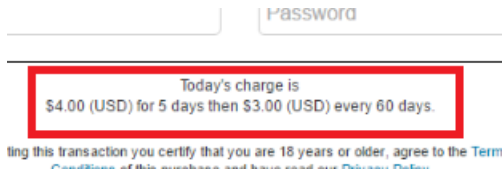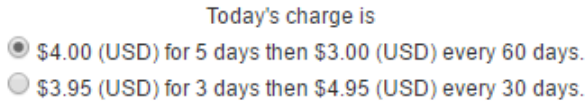
	Post Request:

	`<form method="post" action="https://secure2.segpay.com/billing/poset.cgi?x-eticketid=104855:1221">`
	`<input type="hidden" name="REF1" value="XXXX ">`
	`</form>`

** If you selected "Collect Username and Password" (or Password only) when creating your price points, these fields will display on the payment form and can be pre-populated using the parameters above. Otherwise login data can be passed to SegPay in the background. This is recommended if you assign logins to your consumers or if you let your consumers pick their own username or password on your site.

Customize How Prices are Displayed

Grab the base URL to one of your payment packages, and add or modify certain parameters in the URL to display the payment page in different ways. Here are some examples:

Let consumers choose from all of the different price points you assigned to a package.	Example request: `https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097` Note: This is the base URL assigned to your package. No parameters are added. Example result:
Let customers choose from a few of the price points you assigned to a package, but not all of them.	Example request: `https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&pplist=3097,1221` Note: Add **&pplist=** to the URL, followed by the IDs of each price point you want available on the page. Separate IDs with commas. The value after the colon represents the price point that will be selected by default for the consumer. (Find your price point IDs in the Merchant Portal. Select *My Websites*, then *Price Points.*) Example result: (Displays only the price points specified).
Show customers just one of the price points assigned to a package	Example request: `https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&ppviewoption=2` Note: Add **&ppviewoption=2** to the URL. The value after the colon represents the price point that will display.

Example result: (Displays only the price point specified).

Allow price selection via radio buttons instead of dropdown list.	Example request: `https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&ppviewtype=2` Note: Add **ppviewtype=2** to the URL. Example result:
Display selection via radio buttons in conjunction with a limited price point list.	Example request: `https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&pplist=3097,1221&ppviewtype=2` Note: Combine **pplist** with **ppviewtype** to display only certain price points, with radio button selection. Example result:

Show Languages Other than English

Payment pages are built with geo-targeting and will display by default according to the language setting in the consumer's browser. However, you can force a payment page to display in a specific language, simply by adding a parameter to your base URL.

Following are the languages you can use, and the parameters to append to your base URL to display them:

LANGUAGE	PARAMETER
Spanish	&paypagelanguage=ES
French	&paypagelanguage=FR
German	&paypagelanguage=DE
Greek	&paypagelanguage=EL
Italian	&paypagelanguage=IT
Japanese	&paypagelanguage=JA
Portuguese	&paypagelanguage=PT
Russian	&paypagelanguage=RU
Simplified Chinese	&paypagelanguage=ZS
Slovak	&paypagelanguage=SK
Slovenian	&paypagelanguage=SL
Traditional Chinese	&paypagelanguage=ZH
Dutch	&paypagelanguage=NL

Notes:

- The old language parameter **Lang=NL** (using Dutch as an example) still works, but is overridden by the consumer's browser language.
- Consumers can choose the language themselves via dropdown list on the payment page:

Dynamic Multi-Currency (Europe-based Merchants)

Europe-based merchants can display pricing in currencies other than just USD, EUR or GBP. Contact SegPay technical support to set up **Dynamic Multi Currency (DMC).** Ask to be set up according to one of the first two settings below:

DMC SETTING	PAYMENT PAGE FEATURES
DMC with Base Currency	• Prices are displayed in the currency you assigned when setting up the price point, • Consumer can choose their local currency from a dropdown menu. • You can pass the parameter **DMCURRENCY** to either hide the currency menu or force display of a different currency (see *Supported Currencies* list below). Example requests: No parameters specified; currency assigned in price point is displayed, consumer can change to local currency: https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097 DMC turned off. Currency assigned in price point is displayed, consumer cannot change currency (menu is hidden). https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&dmcurrency=none Currency displays in Hong Kong Dollars (HKD) per parameter passed in the URL; consumer can change to local currency: https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&dmcurrency=hkd
DMC with Geo-Targeting	• Prices are displayed in local currency, based on the region of the consumer's IP address. • If SegPay doesn't support the local currency in a given region, then currency will default to what you set up in the price point. • Consumer can choose another currency from dropdown menu. • You can pass the parameter **DMCURRENCY** to either hide the currency menu or force display of a different currency (see *Supported Currencies* list below). Example requests: No parameters; currency displayed is based on the region of the consumer's IP address; consumer can change to local currency: https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097 DMC turned off; Currency displayed is based on the region of the consumer's IP address; consumer cannot change currency (menu is hidden). https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&dmcurrency=none Currency displays in Hong Kong Dollars (HKD) per parameter passed in the URL; consumer can change it to local currency: https://secure2.segpay.com/billing/poset.cgi?x-eticketid=162209:3097&dmcurrency=hkd
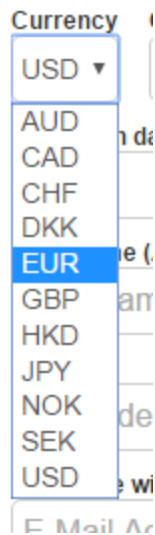
With Dynamic Multi-Currency turned on, consumers can choose their local currency.

Supported Currencies:

Currency	PARAMETER
Australian Dollar	&DMCURRENCY=AUD
Canadian Dollar	&DMCURRENCY=CAD
Swiss Franc	&DMCURRENCY=CHF
Danish Krona	&DMCURRENCY=DKK
Hong Kong Dollar	&DMCURRENCY=HKD
Japanese Yen	&DMCURRENCY=JPY
Norwegian Krona	&DMCURRENCY=NOK
Swedish Krona	&DMCURRENCY=SEK
US Dollar	&DMCURRENCY=USD
Euro	&DMCURRENCY=EUR
British Pound	&DMCURRENCY=GBP
Default to currency set up in price point; hide currency menu.	&DMCURRENCY=NONE

Postback Notifications

A postback is when SegPay communicates with your system after certain transactions occur on our side. Now that you've set up your payment links with parameters specifying the data you want SegPay to capture during payment, set up Post Backs to specify how/which data is sent back to you after various events.

Types of Postbacks

There are two types of postbacks:

Postback Type	Definition
Member management	Triggered by events that affect a member's subscription to your service. For example, a new username/password is created; or a member signs up for, or cancels, a service. These types of post backs include: • **Inquiry**: Triggered when SegPay collects a username and/or password during payment. The postback checks if the username already exists and, if so, defaults the username to the member's email (please verify that your scripts support email addresses as usernames). • **Enable**: Triggered after an approved purchase where a username and/or password were collected. The postback is a notification to grant access to the member for the service(s) purchased. • **Disable**: Triggered when a subscription reaches its expiration date (or when an expiration is requested via chargeback or a refund/cancel request). The postback is a notification to remove access for the member. • **Cancellation**: Triggered when a member cancels his account or requests a refund and cancellation.
Transaction	Triggered by any transaction (payment, refund, void, chargeback, etc.). You can set up two different post backs to be triggered after transactions: • **Trans Post.** • **2nd Trans Post**.

Setting up Postbacks

You can set up postbacks in the SegPay Merchant Portal. Go to *My Websites* and select *Manage PostBacks*.

For each type of postback, you can specify a URL that is requested when that type of event occurs, along with parameters to request additional data to be passed back to you. The following section will describe all of the fields available when setting up postbacks; and will provide Default and Custom URL examples for each type.

To accept a *Default* post back, simply provide the script domain with no parameters. By default, all available parameters are appended.

To create a *Custom* post back, specify which parameters are sent, and in what order. You can also customize the values that are returned to you for each parameter sent.

You'll see the following fields when setting up any postback:

Field	Description
URL	Domain where SegPay sends the postback.
Use SSL	Select the checkbox if the postback URL must be sent securely via HTTPS.

Expected Response	Text that is passed back to SegPay to indicate success; e.g., GOOD or OK.
Error Response	Text that is passed back to SegPay if the action requested was not successful; e.g., NOT_SUCCESSFUL.
Failed Postback Notification Options	- **Notification Email**: Enter an email address to be notified when a postback fails. This field is required if you select the "Retry Postback" option. - **Retry postback:** Select this checkbox to retry failed postbacks. Member Management postbacks are retried every 5 minutes, for up to one hour. Transaction postbacks are retried every hour, for up to 12 hours. Note that if you select this option, you must enter a notification email (see above).
Password Protected Scripts	- **Domain:** Enter the location of the script you entered in the URL section, if the domain is behind a password-protected area. - **Username/Password:** Enter the username and password needed to access the protected domain above.

Inquiry Postback Example

Description	What to Enter
Custom Inquiry (simple)	www.yourserver.com/scriptname.php?action=query&username=<extra username>
Custom Inquiry (all parameters sent)	www.yourserver.com/scriptname.php?action=<action>&username=<extra username>&password=<extra password>&purchaseid=<purchaseid>&tranid=<tranid>&name=<billname>&firstname=<billnamefirst>&lastname=<billnamelast>&email=<billemail>&phone=<billphone>&address=<billaddr>&city=<billcity>&state=<billstate>&zipcode=<billzip>&country=<billcntry>&ip=<ipaddress>&eticketid=<eticketid>&price=<price>&currencycode=<currencycode>&initialvalue=<ival>&initialperiod=<iint>&recurringvalue=<rval>&recurringperiod=<rint>&desc=<desc>&customvariable=<extra customvariable>
Default Inquiry	www.yourserver.com/scriptname.php

Enable Postback Example

Description	What to Enter
Custom Enable (Simple)	www.yourserver.com/scriptname.php?action=add&username=<extra username>&password=<extra password>
Custom Enable (With all Parameters Sent)	www.yourserver.com/scriptname.php?action=add&username=<extra username>&password=<extra password>&purchaseid=<purchaseid>&tranid=<tranid>&name=<billname>&firstname=<billnamefirst>&lastname=<billnamelast>&email=<billemail>&phone=<billphone>&address=<billaddr>&city=<billcity>&state=<billstate>&zipcode=<billzip>&country=<billcntry>&ip=<ipaddress>&eticketid=<eticketid>&price=<price>&currencycode=<currencycode>&initialvalue=<ival>&initialperiod=<iint>&recurringvalue=<rval>&recurringperiod=<rint>&desc=<desc>&customvariable=<extra customvariable>
Default Enable (no parameters specified). SegPay will send all available parameters	www.yourserver.com/scriptname.php

including any user-defined that were set at the time of the transaction.	

Disable Postback Example

Description	What to Enter
Custom Disable (Simple)	www.yourserver.com/scriptname.php?action=delete&username=<extra username>
Custom Disable (With all Parameters Sent)	www.yourserver.com/scriptname.php?action=delete&username=<extra username>&password=<extra password>&purchaseid=<purchaseid>&tranid=<tranid>&ip=<ipaddress>&customvariable=
Default Disable (no parameters specified). SegPay will send all available parameters including any user-defined that were set at the time of the transaction.	www.yourserver.com/scriptname.php

Cancellation Postback Example

Description	What to Enter
Custom Cancellation (Simple)	www.yourserver.com/scriptname.php?action=cancel&username=<extra username>
Custom Cancellation (With all Parameters Sent)	www.yourserver.com/scriptname.php?action=<action>&username=<extra username>&password=<extra password>&purchaseid=<purchaseid>
Default Cancellation (no parameters specified). SegPay will send all available parameters, including any user-defined that were set at the time of the transaction.	www.yourserver.com/scriptname.php

Transaction Postback Example

Note: You can have up to two Transaction postbacks. They are labeled as "Trans Post" and "2nd Trans Post" and are interchangeable. You can use one, or the other, or both. It is up to you. Use both if you want SegPay to send transaction data to two different locations; for example, some clients do this to compare their own data to third party reporting.

Description	What to Enter
Custom Trans (With all Parameters Sent)	www.yourserver.com/scriptname.php?action=<action>&stage=<stage>&approved=<approved>&trantype=<trantype>&purchaseid=<purchaseid>&tranid=<tranid>&price=<price>&currencycode=<currencycode>&eticketid=<eticketid>&ip=<ipaddress>&initialvalue=<ival>&initialperiod=<iint>&recurringvalue=<rval>&recurringperiod=<rint>&desc=<desc>&username=<extra username>&password=<extra password>&name=<billname>&firstname=<billnamefirst>&lastname=<billnamelast>&email=<billemail>&phone=<billphone>&address=<billaddr>&city=<billcity>&state=<billstate>&zipcode=<billzip>&country=<billcntry>&merchantpartnerid=<extra merchantpartnerid>&transGUID=<transguid>&standin=<standin>&xsellnum=<xsellnum>&billertranstime=<transtime>&REF1=<extra ref1&customvariable=<extra customvariable>&relatedtranid=<relatedtranid>
Default Trans (no parameters specified). SegPay will send all available parameters, including any user-defined that were set at the time of the transaction.	www.yourserver.com/scriptname.php

Transaction Postback Matrix

Use the chart below to determine the type of transaction, based on the combination of *trantype, action, stage* and *approved* parameters you receive in the postback:

Trantype	Action	Stage	Approved	Combination Results
sale	auth	initial	yes	Approved Initial Signup
sale	auth	initial	no	Declined Initial Signup
sale	auth	conversion	yes	Approved Conversion
sale	auth	conversion	no	Declined Conversion
sale	auth	rebill	yes	Approved Rebill
sale	auth	rebill	no	Declined Rebill
sale	auth	InstantConversion	yes	Approved Instant Conversion
sale	auth	InstantConversion	no	Declined Instant Conversion
sale	void	initial	yes	Approved Voided Transaction. This void could be for an Initial, Conversion, Rebill or Instant Conversation transaction. Please note that the transID for a void is unique. It cannot be used to locate the original transaction being voided. However, you can use the purchaseID to tie the void back to all of the transactions for that consumers' subscription.

				Approved Refunded Transaction. Please note that the transID for a credit is unique. It cannot be used to locate the original transaction being credited. However, you can use the purchaseID to tie the credit back to all of the transactions for that consumers' subscription.
credit	auth	initial	yes	
charge	auth	initial	yes	Approved Chargeback. Please note that the transID for a Chargeback is unique. It cannot be used to locate the original transaction being Charged Back. However, you can use the purchaseID to tie the Chargeback back to all of the transactions for that consumers' subscription.

Postback specs

- No need to enter http in the post back fields; it is pre-pended automatically (https is pre-pended if you selected "use SSL").
- Post back communication can include upper and lower-case characters, so your validations should not be set up to require case-sensitivity..
- When entering text for response codes, use a simple data string such as *TransactionConfirmed*. Including html, spaces, line breaks, etc., can break the post back.
- The following postback types are synchronous – they will wait for a response from your system and timeout if nothing is received:
  - o Inquiry
  - o Enable/Disable
- The following postback types are asynchronous – these do not wait for a response; they use conventional http response codes to indicate success or failure of a request. (For details, see: http://www.w3.org/Protocols/rfc2616/rfc2616-sec10.html).
  - o Transaction

Full List of Postback Parameters

The following chart defines all of the parameters you can add to postback URLs, and specifies the types of postbacks where each parameter can be used. You can add specific parameters to the postback URL in the order you want, or add none and all that are available for that specific postback will be passed to you.

Parameter	Definition and Values	Inquiry	Access Enable	Access Disable	Cancel-lation	Trans-action
<Action>	This is the action that generated this post. Supported values are: "Auth" – An authorization has occurred. "Void" – A void has occurred.	X	X			X
<stage>	This is the type of transaction that triggered the event. Supported values are: "initial" – First transaction of this type. "conversion" – First rebill of a subscription. "rebill" – Subsequent transactions after a conversion. "instantconversion" – Instant conversion has converted prior to original conversion date.	X	X			X
<approved>	yes" – Authorized transaction. "no" – Declined transaction.	X	X			X
<trantype>	"sale" – Sales type transaction. "charge" – Chargeback transaction. "credit" – Refund transaction.	X	X			X
<purchaseid>	PurchaseID of transaction.	X	X	X	X	X
<tranid>	TransactionID of transaction.	X	X			X
<price>	Amount of transaction. For currency type, see <currencycode>	X	X			X
<currencycode>	The currency code used for the transaction. Will either be "USD" for US dollar, "EUR" for Euro or "GBP" for Great British pounds.	X	X			X
<ipaddress>	IP address of consumer. NOTE: This was added as of August 21, 2013. Prior to this date, it was not available except for signup postbacks.	X	X			X
<relatedtranid>	This will be the transaction ID of the original sale. This information is only available for refund, void, chargeback and revoke transactions.					X
<eticketid>	PackageID:BillConfigID (Signup and Stand-In only)	X	X			X
<ival>	Initial transaction amount value. This is the amount authorized for the sale.	X	X			X
<iint>	Initial or trial period of the signup in days.	X	X			X

Parameter	Definition and Values	Inquiry	Access Enable	Access Disable	Cancel-lation	Trans-action
<rval>	Recurring transaction amount value. This is the rebill price of the bill configuration. 0 if no recurring amount is configured.	X	X			X
<rint>	Recurring period of the signup in days.	X	X			X
<desc>	Bill configuration description.	X	X			X
<extra username>	Username from pay page, passed in or collected.	X	X	X	X	X
<extra password>	Password from pay page, passed in or collected.	X	X	X	X	X
<billname>	Consumer's first and last name.	X	X			X
<billnamefirst>	Consumer's first name	X	X			X
<billnamelast>	Consumer's last name	X	X			X
<billemail>	Consumer's e-mail address.	X	X			X
<billphone>	The online consumer's billing phone number. It was either collected on the pay page or you passed the information to us. Please note that this value is only collected on check transactions at SegPay.	X	X			X
<billaddr>	The online consumer's billing street address. It was either collected on the pay page or you passed the information to us.	X	X			X
<billcity>	The online consumer's billing city. It was either collected on the pay page or you passed the information to us.	X	X			X
<billstate>	The online consumer's billing state. It was either collected on the pay page or you passed the information to us.	X	X			X
<billzip>	The online consumer's billing zip. It was either collected on the pay page or you passed the information to us.	X	X			X
<billcntry>	The online consumer's billing country as two character ISO code. It was either collected on the pay page or you passed the information to us.	X	X			X
<extra merchantpartnerid>	This is the affiliate ID that you passed to SegPay at the time of the transactions. This is for when you are using your own affiliate program and want to track the sales through SegPay.	X	X			X

Parameter	Definition and Values	Inquiry	Access Enable	Access Disable	Cancel-lation	Trans-action
<transguid>	The transaction Global Unique Identifier (GUID) assigned to the transaction by SegPay. Used for instant conversions. NOTE: This parameter is programmatically added to a post for all signup instant conversion transactions.	X	X			X
<standin>	-1 = Stand-In not supported. 0 = No stand-in occurred. 1 = Stand-in occurred. NOTE: This parameter is programmatically added to a post for all signup instant conversion transactions.	X	X			X
<xsellnum>	0 = Main transaction. 1 = First cross sell. 2 = Second cross sell.	X	X			X
<transtime>	The Date and Time in GMT that that the transaction took place sent URL encoded. Example URL Encoded: 7%2f28%2f2008+3%3a38%3a43+PM+(GMT+STANDARD+TIME) Example URL Decoded: 7/28/2008 3:38:43 PM (GMT STANDARD TIME)	X	X			X
<extra ref1> - <extra ref10>	Ref Variables are merchant reference variables. These are variables that SegPay will store along with the transaction and can be retrieved at a later time. These variables differ from user defined variables because they are stored encrypted in our database and are passed back in all reports.	X	X			X
<extra xxxx>	All variables that are passed in on the pay page request in either the GET or POST variables will be matched to any "extra" variables and returned.	X	X			X
<ccfirst6>	This represents the first 6 digits of the card number otherwise known as the BIN number. The merchant needs to be configured to be able to receive this variable.					X
<cclast4>	This represents the last 4 digits of the card number. The merchant needs to be configured to be able to receive this variable.					X
<authcode>	Variable representing the response code for a transaction. This should use the normalized bank response table to return the appropriate decline message to the merchant.					X

Parameter	Definition and Values	Inquiry	Access Enable	Access Disable	Cancel-lation	Trans-action
<ccbincountry>	This is the two character ISO code that represents the country from which the credit card BIN value is associated with.					X
<refundreasoncode>	This will return the reason code that the user chose when refunding the transaction. This will only be passed back for refund and void transactions.			X		X
<refundcomment>	This will return the additional comment entered when a refund or void is processed. This will only be passed back for refund and void transactions.			X		X
<refundedby>	This will return the user's name that refunded the transaction. This will only be passed back for refund and void transactions.			X		X
<cancelreasoncode>	This will return the reason code that the user chose when refunding the transaction. This will only be passed back for refund and void transactions.				X	X
<cancelcomment>	This will return the additional comment entered when a cancellation is processed. It will only be available on the cancellation postback.				X	X
<cancelledby>	This will return the user's name that cancelled the transaction. It will only be available on the cancellation postback.				X	X
<cardtype>	This will return the text value of the card type. The values currently available are Visa, MasterCard, JCB, Discover, eCheck and DirectDebit					X
<extra browsertype>	This will return the value that defined the browser type identified at the time of the transaction. It can have a variety of values as there are many different types.					X
<extra browserversion>	This will return the browser version identified at the time of the transaction. Example: Mozilla%2f5.0+(Windows+NT+6.3%3b+WOW64)+AppleWebKit%2f53					X
<extra ipcountry>	This will return the two character ISO country code associated with the IP address for the transaction.					X
<extra ismobiledevice>	This will return True or False depending on whether the variable is mobile or not.					X
<extra platform>	This will return the value of the platform identified at the time of the transaction.					X
<extra template>	This will return the value of the paypage template associated with the package for the transaction at the time of the transaction.					X

Parameter	Definition and Values	Inquiry	Access Enable	Access Disable	Cancel-lation	Trans-action
<prepaidindicator>	This will return the value Y or N dependent on whether the card is a prepaid card or not.					X
<urlid>	This will return the numeric value of the website in the SegPay system.			X		X

One Click Pricing

Now that you've set up all of your payment links for new consumers to access your site, let's introduce a couple of payment options you can offer existing consumers. First up: **One-click** payments. This allows consumers who have already bought from you to make additional purchases without re-entering card information (the one-click option is only available for credit card payments).

One-click base URL:

https://secure2.segpay.com/billing/OneClick.aspx?x-eticketid=122903:9689

Any price point passed for one-click payment must have been originally set up with One Click enabled (In the example above, the ID of the price point is 9689). To enable a price point for one-click payment, ask your SegPay rep; or go to the Merchant Portal and select *My Websites*, then *Price Points*. Edit any price point and look for the following checkbox:

☑ One Click Enabled

You can append any of the parameters discussed in previous sections to the base URL, however, the following is required to request a One-click payment page:

&OCToken	The purchase ID, which should be stored in your database following the original sale. Allows SegPay to charge the card used for that sale. **Example:** https://secure2.segpay.com/billing/OneClick.aspx?x-eticketid=122903:9689&OCToken=XXXX

One-click payment example:

Today's charge is
$4.00 (USD) for 5 days then $3.00 (USD) every 60 days.

First and Last Name Joe Blough
Credit Card Number 444433XXXXXX1111
E-Mail Address [E-Mail Address]

Click here to use a different card for payment.

☑ By completing this transaction you certify that you are 18 years or older, agree to the

Notes:

- For a one-time purchase (including digital downloads), the new payment is associated with the original purchaseID. The one-click payment is classified as a rebill for post back purposes.
- For a recurring purchase (a subscription), a new purchaseID is generated. The one-click payment is classified as an Initial purchase for post back purposes.
- If Inquiry and Enable/Disable postbacks are set up, they will work as long as a username and password are sent with the transaction.

Instant Conversion

Next up: **Instant Conversion**. This type of price point allows a consumer to convert to a full membership immediately, before a limited trial period ends. The offer will be valid up to 12 hours before the end of the trial.

When setting up an Instant Conversion price point, you can decide to reward your consumer in two ways:

1. **Discount price**: Give your consumers an incentive to convert early by offering a discount rate if they do. Specify the discounted price – which applies to the initial and recurring payments – that they will be charged if they choose instant conversion:

> Instant Conversion Discount Price   17.99

2. **Adjust Trial Length at Time of Conversion**: Select this option to set the consumer's re-bill date for 30 days (or the length of your billing interval, if different) from the day he/she chose instant conversion. Leave it unchecked and the re-bill date will remain at 30 days from when the trial was originally supposed to end.

> Example:
>
> - Consumer signs up **Sept 1st**.
> - Free trial is set to end on **Sept. 10th** and convert to a full membership with re-billing on the 10th of every month.
> - Instead, consumer chooses Instant Conversion on **Sept. 5th** and is converted to full membership on that date.
> - With *Adjust Trial Length* selected, next bill date is set for **Oct. 5th**.
> - Otherwise, next bill date remains **Oct. 10th**.

> Adjust Trial Length At time of Conversion ☑
>
> Support Stand-In ☐

> Note: Find these options in the Merchant Portal under *My Websites*, then *Price Points.* "Stand-In" processing is explained in the next section.

When a consumer signs up for a price point set up for instant conversion, the parameter
stage=INSTANTCONVERSION is passed to you in the post back. This triggers the instant conversion option to be
presented to that consumer during his/her trial. The button linking to the Instant Conversion offer will trigger a
request that is structured like the following URL:

https://secure2.segpay.com/billing/InstantConv.aspx?ICToken=XXXX

Note that the price point being passed must have been originally set up as an Instant Conversion price point (In the
example above, the ID of the price point is 9689). You must append the *ICToken* parameter when requesting an
Instant Conversion payment page. Here's a definition of ICToken and one additional parameter you can pass:

Parameter	Definition
ICToken (required)	The **transguid** value that was passed to you – via the transaction post back – after the original purchase. **Example:** https://secure2.segpay.com/billing/InstantConv.aspx?ICToken=XXXX
IC301Text (optional)	Customize the error message that displays if the SegPay system is not ready to process the payment. This can happen if the consumer chooses instant conversion very quickly after his original signup (within two minutes). The default error message asks the consumer to try again in two minutes. Uses this parameter only if you want to customize the message. For example: https://secure2.segpay.com/billing/InstantConv.aspx?ICToken=XXXX&IC301Text=Please+retry+your+upgrade+in+a+few+minutes!

By default, the consumer is asked to provide an email address for instant conversion, as in the example below. Ask
your SegPay rep if you don't want to require an email.

Today's charge is
$3.00 (USD) for 60 days then $3.00 (USD) every 60 days.

First and Last Name Joe Green
Credit Card Number 444433XXXXXX1111
E-Mail Address [E-Mail Address]

☑ By completing this transaction you certify that you are 18 years or older, agree to the
Terms and Conditions of this purchase and have read our Privacy Policy

A successful Instant Conversion transaction will trigger a Transaction post back (see Post back Notifications section
above) but Inquiry and Access post backs will not be sent.

Stand-in

Stand-In Processing – Stand-in refers to the optional process that can be triggered when SegPay is unable to communicate with a bank. Instead of issuing a decline, SegPay temporarily approves the transaction and then retries it up to three times every two hours. This continues until the bank authorizes or declines the transaction or the maximum number of retries is exceeded.

Stand-in is most useful for small dollar trial subscriptions where the merchant cost for providing temporary access is low. If you want SegPay to run stand-in processing, select the "Enable Stand-In" option when setting up a payment package in our Merchant Portal:

☑ Enable Standin

Note that stand-in is not available for One-Click price points.

When a Stand-in is initially approved, it triggers three post back notifications: *Inquiry*, *Enable* and *Trans Post*. The Trans Post will include the parameters *transid* and *purchaseid*.

If a stand-in transaction is ultimately declined, two post back notifications are sent: a new *Trans Post* – which will include the same *transid* and *purchaseid* values from the original temporary approval so you can easily tie the two transactions together (see Transaction section under "Setting Up Postbacks" above for details on what is included in the postback) – and a *Disable* is sent to disable the consumer's access.

The following SegPay SRS reports will include the final decline:
- Assets Active Subscriptions by URL
- Transactions List Declined
- Transactions Purchases by URL

See the "SRS Web Service Reports" section below for more information about these reports.

SRS Web Service Reports

SegPay recommends that reporting services are used in conjunction with the postback notification system. There are several benefits:

1. Pulling data from reporting services provides a backup in case postbacks don't go through.
2. You can pull data from reporting services on a set schedule, for use as a reconciliation tool. We recommend you pull transaction data from the previous day's transactions only. As a reminder, the SegPay system operates on GMT.

For information regarding SegPay's Reporting Services, please visit the following location: http://support.segpay.com/kb/article/37-segpay-reporting-services-srs or https://srs.segpay.com.

Data Availability Chart

Data Element	Definition	SRS	Postbacks
URL	Website	X	X
Transaction ID	n/a	X	X
Related Transaction ID	Original transaction id associated with a chargeback, refund or void	X	X
Transaction Time	time stamp of transaction	X	X
Type	Sale, void, refund, chargeback, one click	X	X
Source	Sign-up, conversion, rebill, system	x	X
Auth	Yes or no	X	X
Transaction Amount	n/a	x	X
Currency	n/a	X	X
AuthCode	Bank response to an authorization or decline	X	
Purchase ID	n/a	X	X
Purch Type	Identifies if one time, recurring, digital purchase, instant conversion or delayed capture	X	
Customer Name	n/a	X	X
Customer Email	n/a	X	X
Customer Address	n/a	X	X
Customer City	n/a	X	X
Customer State	n/a	X	X
Customer Zip	n/a	X	X
Customer Country	n/a	X	X
Customer Phone	n/a	X	X
Customer IP	n/a	X	X
IP Country	n/a	X	
Username	n/a	X	X

Data Element	Definition	SRS	Postbacks
Password	n/a	X	X
Purchase Status	Status of the subscription (active, cancelled, expired)	X	
Initial Amount	Sign-up amount	X	X
Recurring Amount	n/a	X	X
Recurring Period	n/a	X	X
Next Date	Next rebill date	X	
Cancel Date	Date consumer cancelled	X	
Expired Date	Date membership expires	X	
Retries	Number of times a rebill has been re-tried when the first attempt failed. Value=1, 2 or 3	X	
Retry Date	n/a	X	
Last Result	Identifies the approval or decline result of most recent transaction	X	
Merchant Partner ID	The affiliate ID passed in by the merchant.	X	X
eticketID	This is the package ID and bill config ID to identify the price point and website the purchase was made to	X	X
REF Variables	Up to 10 variables that you pass through (REF1 - REF10)	X	X
UserData	Grouping of all user-defined variables passed through by the merchant. In the SRS reports it also includes paypage languages and browser type/version	X	X
Bin / First 6	First 6 credit card digits	X	X
last 4	Last 4 credit card digits	X	X
Bin Country	Country where Bin is from	X	
Refund Entered By	n/a	X	
Refund Reason Code	n/a	X	
Refund Comment	n/a	X	

Testing Payments

Credit Card Transactions

You can test credit card transactions in both TEST mode and LIVE mode. When in TEST mode, you can complete a full signup, including one-click and instant conversions. This generates transactions in test mode (nothing is sent to the bank) and triggers confirmation emails and postbacks. Currently, rebills, refunds and voids cannot be processed in test mode.

When you are in TEST mode, the following notification displays at the bottom of the payment page:

To protect your privacy, ***** Test Mode ***** will appear on your statement.

When you see this notification, you can use the test credit card numbers to generate an approval or decline:

For an **Approval**, use test card: **4444 3333 2222 1111**

For a **Decline**, use test card: **4444 4444 4444 4455**

When testing in LIVE mode, the *Approval* card above can be used to generate a decline. To generate an approval in LIVE mode, please contact techsupport@segpay.com and we will send you a LIVE test card number (which will not send transactions to the bank). As in test mode, this will work for signups, one-clicks and instant conversions, while generating emails and postbacks; but, again, will not allow testing of rebills, refunds or voids.

Direct Debit Transactions

Testing varies depending on the country. Please see below for test information specific to each country.

Along with the information below, you can enter your own phone number to simulate the customer experience, in which you will receive a phone call with the TEST PIN number to complete the transaction (the PIN will be spoken in the language of the country you are testing). Or, use the following phone, regardless of the country, to receive the PIN via email: **+49 (Germany) 000 00000**.

noreply@webbilling.com
Testsystem PIN 92210 of transaction 2751887

Enter the pin on the PIN Page and continue to the approval page. Note that these details only work in TEST mode.

Germany:
Name Jürgen Müller
Street: Hedwigstr. 3
Zip: 45892
City: Gelsenkirchen
Account no.: 596015202
Bank Routing No: 20010020
Account Owner: Jürgen Müller

Netherlands:
Name: Michel Uppendan
Street: pietheinstraat 26
Zip: 1215la
City: Hilversum
Account no.: 637037316
BankName: Commerzbank AG
BankCity: Hilversum
Account Owner: Michel Uppendan

Spain:
Name: José Hernandez
Street: Ermita de la Salut, 58
Zip: 43007
City: Tarragona
Account no.: 0159000134365653597Account Owner: José Hernandez

Austria:
Name: August Hübner
Street: wienerstr. 3
Zip: 7540
City: Guessing
Account no.: 51574003707
Bank Routing No: 12000
Account Owner: August Hübner

United Kingdom:
Name: Mike Hammer
Street: 95 Wilton Road
Zip: SW1V 1BZ
City: London
Account no.: 30145600
Bank Sort Code: 406201
Account Owner: Mike Hammer

Italy
IBAN: IT89W0604511688000078202014
BIC: CRBZIT2B160

All Other Countries
IBAN: 1257855654771548
BIC: 75487156325