



## In Line Frames API

**Purpose:** to be able to use an inline frame to process transactions, update SecureVault customers or update a recurring transaction without the need to ever touch, transmit or store any cardholder (credit card) data on the merchant’s Web site or have any such data pass through the merchant’s servers or network. The primary benefit is a substantially streamlined process for PCI compliance.

**NOTE: This API must be enabled in the Processing Settings under Inline Frames API.**

To make things easier for integration we have a PHP script with all the functions you need. There are also several examples to look at. Please download [http://www.quantumgateway.com/files/QGW\\_ILF.zip](http://www.quantumgateway.com/files/QGW_ILF.zip)

There are 4 options that can be performed with this API  
 Process Transaction  
 Edit A Customer  
 Edit A Customer’s Profile Only  
 Edit A Customer’s Payment Information Only.

### **Process Transaction:**

*Minimum Requirements*

Item Name	Field Name	Values	Notes
API Username	API_Username	Varchar	Randomly generated username from the Process Settings
API Key	API_Key	Varchar	Randomly generated key from the Process Settings
Amount	Amount	Currency	currency format. x.yy
ID	ID	varchar	The ID can be anything you wish. ID, email address, username, etc. Something that will get updated when they click on Finish.



*Options*

Item Name	Field Name	Values	Notes
Customer ID	CustomerID	Varchar	
Add to Vault	AddToVault	Y/N	If set to Y this option will then add your customer to your vault after a successful AUTH or SALE
<i>(NOTE: To use AddToVault you must also set the CustomerID field.)</i>			
Skip Shipping Info	<b>skip_shipping_info</b>	Y/N	If Y then shipping information will not be shown during payment.
<b>Billing Information</b>			
First Name	FNAME	Varchar	
Last Name	LNAME	Varchar	
Address	BADDR1	Varchar	
City	BCITY	Varchar	
State	BSTATE	Varchar	
Zipcode	BZIP1	Varchar	
Country	BCOUNTRY	Varchar	
Customer Email	BCUST_EMAIL	Varchar	
<b>Shipping Information</b>			
First Name	SFNAME	Varchar	
Last Name	SLNAME	Varchar	
Address	SADDR1	Varchar	
City	SCITY	Varchar	
State	SSTATE	Varchar	
Zipcode	SZIP1	Varchar	
Country	SCOUNTRY	Varchar	
<b>More options</b>			
Invoice Number	invoice_num	Varchar	
Transaction Type	Trans_type	AUTH_ONLY, SALES, AUTH_CONVERT	
<b>Override Gateway Emails</b>			
Merchant Email	override_trans_email	Y/N	Y means send
Customer Email	override_email_customer	Y/N	Y means send
<b>Return URLs (Optional) – Overrides default gateway settings</b>			
Approved	post_return_url_approved	Used with Processing a Sale / Transaction	
Declined	post_return_url_declined		
post_back_url	post_back_url	Used for Vault Or Recurring Update	
<b>Recurring</b>			



	RID	Recipe ID	
	recur_times	Time to Recur	
	OverrideRecurDay	Set recur day to current date	
	override_recur	Override the default recur amount	
	RecurrID	Recurring transaction ID	
Other Options			
	PayInfoOnly	Y/N	
	name_on_card	For some options, this is shown instead of first and last name	
	item_description	Varchar	
	skip_shipping_info	Y/N	Don't show shipping fields
Required Information			
First Name	Require_FNAME	Y/N	
Last Name	Require_LNAME	Y/N	
Phone	Require_phone	Y/N	
City	Require_BCITY	Y/N	
State	Require_BSTATE	Y/N	
Address	Require_BADDR1	Y/N	
Zip	Require_BZIP1	Y/N	
Country	Require_BCOUNTRY	Y/N	
CVV	Require_CVV2	Y/N	



**Sample 1 - Minimum options only**

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '20.00', '10');
?>
```

**Sample 2 - AddToVault option, but missing CustomerID. This sample will not add the customer to the vault.**

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '20.00', '10', ",
'0', 'Y', 'Y');
?>
```

**Sample 3 - AddToVault option and the skip\_shipping\_info option**

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '20.00', '10',
'012345', '0', 'Y', 'Y');
?>
```

**Sample 4 – Full options**

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '20.00', '10',
'012345', '0', 'Y', 'Y', 'John', 'Doe', '1515 15th St', 'New York', 'NY', '66666', 'USA',
'8885551212', 'test@test.com', '127545', 'John', 'Doe', '1515 15th St', 'New York', 'NY',
'66666', 'USA', 'AUTH_ONLY', 'https://www.mysite.com/approved.php',
'https://www.mysite.com/declined.php', $Vendor, $override_trans_email,
$override_email_customer, $RID='0', $recur_times, $OverRideRecureDay,
$override_recur, $PayInfoOnly, $name_on_card, $item_description, $skip_shipping_info,
$Require_FNAME, $Require_LNAME, $Require_phone, $Require_BCITY,
$Require_BSTATE, $Require_BADDR1, $Require_BZIP1, $Require_BCOUNTRY,
$Require_CVV2, $RecurrID=0, $post_back_url="");
?>
```

## **CustomerEdit:**

- \* API\_Username
- \* API\_Key
- \* CustomerID
- \* Method – CustomerEdit

**Sample**

```
<?php
$method='CustomerEdit';
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, $width, $height, $amount,
$cid, $CustomerID, $method, $addtoVault, $skipshipping, $fname, $lname, $address,
$city, $state, $zip, $country, $phone, $email,$invoice_num, $sfname, $slname, $saddress,
$scity, $sstate, $szip, $scountry, $strans_type, $post_return_url_approved,
```

\$post\_return\_url\_declined, \$Vendor, \$override\_trans\_email, \$override\_email\_customer,  
\$PayInfoOnly, \$name\_on\_card, \$RID, \$RecurrID, \$post\_back\_url);

?>

- - Required

## **CustomerEditProfile:**

- \* API\_Username
- \* API\_Key
- \* CustomerID
- \* Method – CustomerEditProfile

Sample

<?php

```
$method='CustomerEditProfile';  
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, $width, $height, $amount,  
$id, $CustomerID, $method, $addtoVault, $skipshipping, $fname, $lname, $address,  
$city, $state, $zip, $country, $phone, $email,$invoice_num, $sfname, $slname, $address,  
$scity, $sstate, $szip, $scountry, $trans_type, $post_return_url_approved,  
$post_return_url_declined, $Vendor, $override_trans_email, $override_email_customer,  
$PayInfoOnly, $name_on_card, $RID, $RecurrID, $post_back_url);
```

?>

- \* - Required

This option will not show the option to update payment information.

## **CustomerEditPayment:**

- \* API\_Username
- \* API\_Key
- \* CustomerID
- \* Method – CustomerEditPayment

Sample

<?php

```
$method='CustomerEditPayment';  
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, $width, $height, $amount,  
$id, $CustomerID, $method, $addtoVault, $skipshipping, $fname, $lname, $address,  
$city, $state, $zip, $country, $phone, $email,$invoice_num, $sfname, $slname, $address,  
$scity, $sstate, $szip, $scountry, $trans_type, $post_return_url_approved,  
$post_return_url_declined, $Vendor, $override_trans_email, $override_email_customer,  
$PayInfoOnly, $name_on_card, $RID, $RecurrID, $post_back_url);
```

?>

- \* - Required

This option will only show the update payment information.

## **RecurringCustomerEdit:**

- \* API\_Username
- \* API\_Key
- \* RecurrID
- \* Method – RecurringCustomerEdit

Sample

```
<?php  
$method='RecurringCustomerEdit';  
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, $width, $height, $amount,  
$id, $custID, $method, $addtoVault, $skipshipping, $fname, $lname, $address, $city,  
$state, $zip, $country, $phone, $email, $invoice_num, $sfname, $slname, $address,  
$scity, $sstate, $szip, $scountry, $trans_type, $post_return_url_approved,  
$post_return_url_declined, $Vendor, $override_trans_email, $override_email_customer,  
$PayInfoOnly, $name_on_card, $RID, $RecurrID, $post_back_url);
```

```
?>
```

\* - Required

This option will only show the update payment information.

## **Possible URL Responses:**

### **CustomerUpdate/UpdateCustomer**

<https://www.yourdomain.com/UpdateCustomer.php?Status=APPROVED&CustomerID=8675309>

<https://www.yourdomain.com/UpdateCustomer.php?Status=DECLINED&CustomerID=8675309>

### **Processing a transaction**

[https://www.yourdomain.com/Approved.php?trans\\_result=APPROVED&transID=88888888&ID=8675309](https://www.yourdomain.com/Approved.php?trans_result=APPROVED&transID=88888888&ID=8675309)

[https://www.yourdomain.com/Declined.php?trans\\_result=DECLINED&transID=88888888&ID=8675309&decline\\_reason=AUTH\\_DECLINE&errorcode=200](https://www.yourdomain.com/Declined.php?trans_result=DECLINED&transID=88888888&ID=8675309&decline_reason=AUTH_DECLINE&errorcode=200)

Please note that when using URL Responses you will need to use GET or REQUEST to get the results.

## **What can I customize?**

In the processing settings you can set the following.

- **Background Color.**



- **Font size.**
- **Font Family.**
- **Font color.**
- **Form field font color**
- **Form field font size**
- **Form field background color**
- **Company Logo** to be used on the Process a Transaction option.
- **Page Heading** to be used on all options above.
- **Payment Heading** to be used on the Process a Transaction option.
- **Approved URL** to be used with Process a Transaction and CreateTransaction.
- **Declined URL** to be used with Process a Transaction and CreateTransaction.
- **Payment Update URL** (\$post\_back\_url) to be used with CustomerEdit/Update

#### Change Log

March, 2020 – Added the RecurringCustomerEdit option.

March, 2020 – Added RecurrID to ILF Single Transaction response.

September, 2020 – Added / Changed the post back urls to be sent in the authentication rather than in the ILF frame.



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