



## **Inline Frame API**

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

## Purpose

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**Purpose:** to be able to use an inline frame to process transactions or update SecureVault customers 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.

## PHP API Package

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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)

## Options

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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.

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## Process Transaction

Used to create an individual Debit/Credit Transaction.

### Request Parameters

#### Required

Parameter Name	Required	Type	Notes
API_Username	Yes	(string)	
API_Key	Yes	(string)	
<i>(NOTE: Both are generated in the processing settings of gateway.)</i>			
Amount	Yes	(currency)	Payment amount
ID	Yes	(string)	

*(NOTE: The ID can be anything you wish. ID, email address, username, etc. Something that will get updated when they click on Finish.)*

#### Options

Parameter Name	Required	Type	Notes
CustomerID	No	(string)	
AddToVault	No	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	No	Y/N	If Y then shipping information will not be shown during payment.
trans_type	No	(string)	AUTH_CAPTURE AUTH_ONLY SALES
invoice_num	No	(string)	

#### Billing Information

Parameter Name	Required	Type	Notes
FNAME	No	(string)	Customer's first name
LNAME	No	(string)	Customer's last name
BADDR1	No	(string)	Billing address
BCITY	No	(string)	Billing city
BSTATE	No	(string)	Billing state
BZIP1	No	(string)	Billing zipcode
BCOUNTRY	No	(string)	Billing Country
BCUST_EMAIL	No	(string)	Billing email address
phone	No	(string)	Billing phone number

## Shipping Information

Parameter Name	Required	Type	Notes
SFNAME	No	(string)	Shipping first name
SLNAME	No	(string)	Shipping last name
SADDR1	No	(string)	Shipping address
SCITY	No	(string)	Shipping city
SSTATE	No	(string)	Shipping state
SZIP1	No	(string)	Shipping zipcode
SCOUNTRY	No	(string)	Shipping Country

## Override Gateway Emails

Parameter Name	Required	Type	Notes
override_trans_email	No	Y/N	Y means send
override_email_customer	No	Y/N	Y means send

## Shipping Information

(Optional) – Overrides default gateway settings

Parameter Name	Required	Type	Notes
post_return_url_approved	No	(string)	Approved URL
post_return_url_declined	No	(string)	Declined URL

### Sample Request – Minimum options only

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

**Sample Request 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 Request 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 Request 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');
?>
```

## Customer Edit

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Allow customer to update all of their information

### Request Parameters

#### Required

Parameter Name	Required	Type	Notes
API_Username	Yes	(string)	
API_Key	Yes	(string)	
<i>(NOTE: Both are generated in the processing settings of gateway.)</i>			
CustomerID	Yes	(string)	
METHOD	Yes	(string)	CustomerEdit

### Sample Request

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '0', '0',
'8675309', 'CustomerEdit');
?>
```

## Customer Edit Profile

---

Allow customer to profile, not payment information (CC or EFT information)

### Request Parameters

#### Required

Parameter Name	Required	Type	Notes
API_Username	Yes	(string)	
API_Key	Yes	(string)	
<i>(NOTE: Both are generated in the processing settings of gateway.)</i>			
CustomerID	Yes	(string)	
METHOD	Yes	(string)	CustomerEditProfile

### Sample Request

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '0', '0',
'8675309', 'CustomerEditProfile');
?>
```

## Customer Edit Payment

---

Allow customer to profile, not payment information (CC or EFT information)

### Request Parameters

#### Required

Parameter Name	Required	Type	Notes
API_Username	Yes	(string)	
API_Key	Yes	(string)	
<i>(NOTE: Both are generated in the processing settings of gateway.)</i>			
CustomerID	Yes	(string)	
METHOD	Yes	(string)	CustomerEditPayment

### Sample Request

```
<?php
$quantum = quantumilf_getCode($API_UNAME, $API_KEY, '800', '800', '0', '0',
'8675309', 'CustomerEditPayment');
?>
```

## Possible URL Responses

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### CustomerUpdate/UpdateCustomer

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

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

### Process 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)

[https://www.yourdomain.com/approved.php?&trans\\_result=APPROVED&transID=88888888&ID=8675309&CustomerID=abc123&Amount=15.00&md5\\_hash=31517fg6dfa2af27aa127eab08a9c3fa&AVSResponse=Y&CVV2Response=M&cardType=VI&authCode=096937&Last4CC=1111&trans\\_type=AUTH\\_ONLY](https://www.yourdomain.com/approved.php?&trans_result=APPROVED&transID=88888888&ID=8675309&CustomerID=abc123&Amount=15.00&md5_hash=31517fg6dfa2af27aa127eab08a9c3fa&AVSResponse=Y&CVV2Response=M&cardType=VI&authCode=096937&Last4CC=1111&trans_type=AUTH_ONLY)

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

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## Response Fields

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### Approved and Declined Response Fields

Parameter Name	Type	Notes
trans_result	(string)	APPROVED/DECLINED
transID	(int)	Transaction ID #
ID	(string)	ID submitted
CustomerID	(string)	CustomerID Submitted
decline_reason	(string)	If declined - reason
errorcode	(int)	If declined - errorcode
Amount	(currency)	Amount processed
md5_hash	(string)	
AVSResponse	(string)	AVS Response
CVV2Response	(string)	CVV2 response
cardType	(string)	VI/MC etc
Last4CC	number	
trans_type	(string)	AUTH_ONLY, AUTH_CAPTURE, SALES

## What is an md5 hash

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What is an md5\_hash?

To get an md5\_hash you take your hash key and combine it with gateway login, transID, amount and transaction result.

Example:

hash key: kejfyhfu2hf!!

gateway login: mytestgw12

transactionID: 1234123412

amount: 10.00

This would give you

kejfyhfu2hf!!mytestgw12123412341210.00APPROVED

That value is then md5ed which would give you 8c4ae208a4ee30f37d7dfce55e9f0922

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## What can I customize?

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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** to be used with CustomerEdit/Update.