



API Access

Api access to SafeStorePayments is currently in a closed beta. If you do not currently have access please fill out the early access form at

<http://cash.io/developers>

All api calls will return in a json encoded string, if you prefer xml simply append ".xml" to any call

`https://cash.io/api/balance` <-- json

`https://cash.io/api/balance.xml` <-- xml

Calls to the cash.io api

- Check the user's balance
- Redeem a code
- Create a new code from the balance
- Get information about a code
- Get active codes for a user
- Get completed codes for a user

Urls for oauth:

- `https://abc123.safestorepayments.com/api/request_token` <--- Get a request token
- `https://abc123.safestorepayments.com/api/preauth` <--- where to redirect the user to get the preauth
- `https://abc123.safestorepayments.com/api/access_token` <--- once authorized convert to a access token

Create a new preauth : <https://cash.io/api/preauth>

If you have an access token for the user just pass that along, if not we will perform the preauth (with paypal) and confirm your oauth token at the same time. Here are the params to pass if you do not have an access token:

Parameter	Description
realm	
oauth_signature_method	The encryption type this is signed with
oauth_signature	The oauth signature for this oauth request
oauth_nonce	The nonce for this request
oauth_timestamp	The unix time stamp for when this request is generated
oauth_token	(blank)
oauth_consumer_key	Your consumer key
oauth_version	1.0

SAMPLE HEADER:

```
[Authorization] => OAuth realm="",  oauth_signature_method="HMAC-SHA1",  
oauth_signature="ZQrad2FfOLonZiAr6wdt0GV0z1U%3D",  
oauth_nonce="4a78ea59ab001",  oauth_timestamp="1249438297",  oauth_token="",  
oauth_consumer_key="bb0e53e7a7d48f42a00308992cc3a2a004a7345b7",  
oauth_version="1.0"
```

These are the params to append to the request (they can be passed in a GET or POST)
required posted params:

Parameter	Description
preauth_amount	The amount to preauth for this user (float)
preauth_number	The number of transactions allowed on this preauth
oauth_callback	The url to return the user to
confirm_email	(BOOL) if we should ask the user to confirm the email address you pass
email_address	The users email address

Check the users balance : <https://cash.io/api/balance>

If the information submitted by the user is not valid, an error element will be return with a description of the problem.

1. Required parameters
 - Oauth access token
2. Returned parameters

Parameter	Description
number_of_codes	The number of remaining codes that this user has pre-authorized. (int)
amount	The amount of money still remaining for this pre-authorization. (float)
currency	The currency for this pre-authorization. Please see the Paypal docs for all currency codes. (string) [NOTE: At this time Safe Store Payments is only available in USD]
expiration	The time that this pre-authorization and all codes created from it will expire. (int) [NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]

3. Error Messages

Error number	Error Message	Long description
21	Invalid user account	This person does not have an account with Safe Store Payments (string)

Redeem a code : <https://cash.io/api/redeem>

1. Required parameters

- Your master access token (Contact cash.io support to set this up)

Parameter	Description
user_email	The email address the this person is using for paypal (string)
claim_code	The claim code that is being redeemed (string)

2. Returned parameters

Parameter	Description
amount	The amount of money still remaining for this pre-authorization. (float)
currency	The currency for this pre-authorization. Please see the Paypal docs for all currency codes. (string) [NOTE: At this time Safe Store Payments is only available in USD]
pay_key	The pay key that PayPal returns for this transaction. (string)

Error codes

Error number	Error message	Long description
31	Already redeemed	This Safe Store Payments code has already been redeemed. (string)
32	Code canceled	This code was canceled by the creator. (string)
33	Code not activated	This code was never completed by the creator. (string)
34	Code expired	This code has expired. (string)
35	Invalid paypal email address	The email address entered does not have a paypal account attached to it. (string)
36	Invalid claim_code	The claim_code is not valid (string)

Create a new code from a existing balance : <https://cash.io/api/create>

1. Required parameters
 - Oauth access token
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Parameter	Description
amount	The amount the recipient of this code should receive. (float) [NOTE: The amount that will be changed is a little more then this amount to take care of the PayPal fees]
claim_code (optional)	The code that the user wants to create, this is optional and if it is not supplied we will generate a 10 digit alphanumeric code (string)

2. Returned parameters

3.

Parameter	Description
claim_code	The code that is used to claim this (string)
total_amount	The total amount this code is for. (float)
recipient_amount	The amount the recipient will receive after PayPal fees (float)
currency	The currency this code is in. Please see the Paypal docs for all currency codes. (string) [NOTE: At this time Safe Store Payments is only available in USD]
expires	The time this code will expire, it is set to the same time the balance is set to expire (int) [NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]
created	The time that this code was created. (int) [NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]

Error codes

Error number	Error message	Long description
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41	No balance	This user does not have a balance to create a new code from. (string)
42	Over limit	This transaction would put the person over their balance. (string)
43	amount must be set	"amount" was not set or set to an invalid value. (string)

Get information about a code : <https://cash.io/api/code>

1. Required parameters
 - OAuth access token
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Parameter	Description
claim_code	The code that is used to claim this (string)

2. Returned parameters

Parameter	Description
claim_code	The code that is used to claim this (string)
status	The status of this code: 0 = Never active 1 = Active 2 = Claimed 3 = Canceled (int)
total_amount	The total amount this code is for. (float)
recipient_amount	The amount the recipient will receive after PayPal fees (float)
currency	The currency this code is in. Please see the Paypal docs for all currency codes. (string) <u>[NOTE: At this time Safe Store Payments is only available in USD]</u>
expires	The time this code will expire, it is set to the same time the balance is set to expire (int) <u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>
created	The time that this code was created. (int) <u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>

Error codes

Error number	Error message	Long description
51	Invalid code	The code that was submitted is invalid. (string)

52	Access denied	Access to this code is not authorized.
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Get active codes for a user : <https://cash.io/api/active>

1. Required parameters
 - Oauth access token
2. Returned parameters

Parameter	Description
claim_code	The code that is used to claim this (string)
total_amount	The total amount this code is for. (float)
recipient_amount	The amount the recipient will receive after PayPal fees (float)
currency	The currency this code is in. Please see the Paypal docs for all currency codes. (string) <u>[NOTE: At this time Safe Store Payments is only available in USD]</u>
expires	The time this code will expire, it is set to the same time the balance is set to expire (int) <u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>
created	The time that this code was created. (int) <u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>

Get inactive codes for a user : <https://cash.io/api/inactive>

1. Required parameters
 - Oauth access
2. Returned parameters

Parameter	Description
claim_code	The code that is used to claim this (string)
status	The status of this code: 0 = Never active 1 = Active 2 = Claimed 3 = Canceled (int)
total_amount	The total amount this code is for. (float)
recipient_amount	The amount the recipient will receive after PayPal fees (float)
currency	The currency this code is in. Please see the Paypal docs for all currency codes. (string) <u>[NOTE: At this time Safe Store Payments is only available in USD]</u>
expires	The time this code will expire, it is set to the same time the balance is set to expire (int) <u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>
created	The time that this code was created. (int) <u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>