



# 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 <a href="#">docs</a> for all currency codes. (string)<br>[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)<br><br>[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 <a href="#">docs</a> for all currency codes. (string)<br>[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
  -

| Parameter             | Description  |
|-----------------------|--|
| amount                | The amount the recipient of this code should receive. (float)<br>[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 <a href="#">docs</a> for all currency codes. (string)<br>[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)<br><br>[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)<br><br>[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 |
|--------------|---------------|------------------|
|--------------|---------------|------------------|

|    |                    |   |
|----|--------------------|---|
| 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
  -

| 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:<br>0 = Never active<br>1 = Active<br>2 = Claimed<br>3 = Canceled<br>(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 <a href="#">docs</a> for all currency codes. (string)<br><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)<br><br><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)<br><br><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. |
|----|---------------|--|

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 <a href="#">docs</a> for all currency codes. (string)<br><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)<br><br><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)<br><br><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:<br>0 = Never active<br>1 = Active<br>2 = Claimed<br>3 = Canceled<br>(int)   |
| total_amount     | The total amount this code is for.<br>(float)  |
| recipient_amount | The amount the recipient will receive after PayPal fees (float)  |
| currency         | The currency this code is in. Please see the Paypal <a href="#">docs</a> for all currency codes.<br>(string)<br><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)<br><br><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.<br>(int)<br><br><u>[NOTE: This time is in seconds since the Unix Epoch (January 1 1970 00:00:00 GMT)]</u>   |