

Pass2U Checkout API Specification

Version 2.3.5

2024/8/7

1. List Redeemable Campaigns API

Description: list redeemable campaigns for the specified Checkout account.

URL Structure

Method	URL
GET	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns?account={checkoutAccount}</code>

Path Variables

Name	Type	Required	Description
<code>modelId</code>	integer	Yes	The unique ID of the model to be queried.

Query Parameters

Name	Type	Required	Description
<code>checkoutAccount</code>	string	No	Indicates which Checkout account to query. The default value is 'admin'.

HTTP Request Header

x-api-key: {API Key}

Accept: *application/json*

HTTP Request Body

none

HTTP Response Header

Content-Type: *application/json*

HTTP Response Body

Returns an HTTP status of 200 with JSON array payload which contains redeemable campaign information about the Checkout account.

```
[
  {
    "id": 381,
    "name": "Get 10% discount"
  },
  {
    "id": 382,
    "name": "Get a cup of drink"
  }
]
```

Payload Parameters

Name	Type	Description
id	integer	Campaign ID.
name	string	Campaign name.

Or returns an HTTP status of 400 with JSON payload if querying the redeemable campaign is not successful.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

Error Payload Parameters

Name	Type	Description
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errorCode	integer	Error code to indicate the error reason type. Please see 7. Error Codes and Messages for the details.
errorMessage	string	Error message to describe the reason. Please see 7. Error Codes and Messages for the details.

2. Redeem Barcode/NFC Data API

Description: redeem the barcode/NFC data for the given campaign. The barcode/NFC data can be redeemed successfully only during its valid time interval for the campaign if it has.

URL Structure

Method	URL
POST	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes/{barcode}/records?account={checkoutAccount}</code>

Path Variables

Name	Type	Required	Description
modelId	string	Yes	The unique ID of the specified model.
campaignId	integer	Yes	The campaign ID which the barcode/NFC data belongs to.
barcode	string	Yes	The barcode/NFC data to be redeemed. It must be URL encoded to avoid illegal characters.

Query Parameters

Name	Type	Required	Description
checkoutAccount	string	No	Indicates which Checkout account redeems the barcode/NFC data. The default value is 'admin'.

HTTP Request Header

x-api-key: {API Key}

Accept: application/json

HTTP Request Body

An JSON object contains valid updated value.

```
{  
  "updatedValue": 1  
}
```

Payload Parameters

Name	Type	Required	Description
updatedValue	decimal	No	For punch campaigns, the value must be positive integer. For point/credit campaigns, the value must be integer/decimal number. For one-time campaigns, the payload is not used.

HTTP Response Header

Content-Type: application/json

HTTP Response Body

Returns an HTTP status of 200 with JSON payload if the barcode/NFC data is redeemed successfully.

```
{  
  "passId": "T2bzXfEuEFXx",  
  "barcode": "123456",  
  "redeemedAt": "2019-12-12T08:00:00+00:00"  
}
```

Payload Parameters

Name	Type	Description
passId	string	The ID of the pass contains the barcode/NFC data.
barcode	string	The barcode/NFC data to be redeemed.
redeemedAt	string	The redemption date of the barcode/NFC data in ISO 8601 format such as 2019-12-12T08:00:00+00:00.

Or returns an HTTP status of 400 with JSON payload if the barcode/NFC data is not redeemed successfully.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

Error Payload Parameters

Name	Type	Description
errorCode	integer	Error code to indicate the error reason type. Please see 7. Error Codes and Messages for the details.
errorMessage	string	Error message to describe the reason. Please see 7. Error Codes and Messages for the details.

3. Unredeem Barcode/NFC Data API

Description: unredeem the barcode/NFC data for the given campaign. The barcode/NFC data can be unredeemed successfully only during the its valid time interval for the campaign if it has.

URL Structure

Method	URL
DELETE	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes/{barcode}/records?account={checkoutAccount}</code>

Path Variables

Name	Type	Required	Description
modelId	string	Yes	The unique ID of the specified model.
campaignId	integer	Yes	The campaign ID which the barcode/NFC data belongs to.
barcode	string	Yes	The barcode/NFC data to be queried. It must be URL encoded to avoid illegal characters.

Query Parameters

Name	Type	Required	Description
checkoutAccount	string	No	Indicates which Checkout account unredeems the barcode/NFC data. The default value is 'admin'.

HTTP Request Header

x-api-key: {API Key}

Accept: application/json

HTTP Request Body

```
none
```

HTTP Response Header

Content-Type: application/json

HTTP Response Body

Returns an HTTP status of 200 with JSON payload if the barcode/NFC data is unredeemed successfully.

```
{
  "passId": "T2bzXfEuEFXx",
  "barcode": "123456",
  "unredeemedAt": "2019-12-12T08:00:00+00:00"
}
```

Payload Parameters

Name	Type	Description
passId	string	The ID of the pass contains the barcode/NFC data.
barcode	string	The barcode/NFC data to be unredeemed.
unredeemedAt	string	The unredemption date of the barcode/NFC data in ISO 8601 format such as 2019-12-12T08:00:00+00:00.

Or returns an HTTP status of 400 with JSON payload if the barcode/NFC data is not unredeemed successfully.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

}

Error Payload Parameters

Name	Type	Description
errorCode	integer	Error code to indicate the error reason type. Please see 7. Error Codes and Messages for the details.
errorMessage	string	Error message to describe the reason. Please see 7. Error Codes and Messages for the details.

4. Customize Campaign Barcodes/NFC Data API

Description: specify barcodes/NFC data for a Checkout one-time redemption campaign. The campaign has to be set as “Only selected barcodes/NFC data (use API or import CSV to specify)” when creation. Please note maximum 1,000 barcodes/NFC data can be sent in one request.

<**One-time Campaign Setting**



You don't assign any Checkout account yet.

Redeemable Barcodes/NFC Data (the setting can not be changed once the campaign is created)
☐ All barcodes/NFC data of created passes
☒ Only selected barcodes/NFC data of created passes (use API or import CSV to specify)

URL Structure

Method	URL
POST	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes</code>

Path Variables

Name	Type	Required	Description
modelId	string	Yes	The unique ID of the specified model.

campaignId	integer	Yes	The unique ID of the campaign to be specified barcodes/NFC data.
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HTTP Request Header

x-api-key: {your API key}

Accept: application/json

Content-Type: application/json

HTTP Request Body

An JSON array contains valid barcodes/NFC data.

```
{
  "barcodes": [
    "barcode1",
    "barcode2",
    "barcode3",
    "barcode4"
  ]
}
```

Payload Parameters

Name	Type	Required	Description
barcodes	string array	Yes	Barcodes/NFC data to be added into the campaign.

HTTP Response Header

Content-Type: application/json

HTTP Response Body

Returns an HTTP status of 200 with JSON payload if the operation is successful.

```
{
  "numOfBarcodes": 1,
  "invalidBarcodes": ["12345", "67890"],
  "numOfInvalidBarcodes": 2
}
```

Payload Parameters

Name	Type	Description
numOfBarcodes	integer	The number of barcodes/NFC data to be added.
invalidBarcodes	string array	A string array to list all invalid barcodes/NFC data.
numOfInvalidBarcodes	integer	The number of invalid barcodes/NFC data.

Or returns an HTTP status of 400 with JSON payload if the barcode/NFC data is not customized successfully.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

Error Payload Parameters

Name	Type	Description
errorCode	integer	Error code to indicate the error reason type. Please see 7. Error Codes and Messages for the details.
errorMessage	string	Error message to describe the reason. Please see 7. Error Codes and Messages for the details.

5. Delete Customized Campaign Barcode/NFC Data API

Description: delete the assigned barcode/NFC data for a Checkout one-time redemption campaign. The campaign has to be set as “Only selected barcodes/NFC data (use API or import CSV to specify)” when creation. Please note the barcodes/NFC data can’t be deleted from the campaign once being redeemed.

URL Structure

Method	URL
DELETE	<code>https://api.pass2u.net/v2/ checkout/models/{modelId}/campaigns/{campaignId}/barcodes/{barcode}</code>

Path Variables

Name	Type	Required	Description
modelId	string	Yes	The unique ID of the specified model.
campaignId	integer	Yes	The unique ID of the campaign to be specified barcodes/NFC data.
barcode	string	yes	The barcode/NFC data to be deleted.

HTTP Request Header

x-api-key: {your API key}

Accept: application/json

HTTP Request Body

none

HTTP Response Header

Content-Type: *application/json*

HTTP Response Body

returns an HTTP status of 204 if the operation is successful or status of 400 with JSON payload if the barcode/NFC data is not deleted successfully.

```
{  
  "errorCode": 5001,  
  "errorMessage": "The model ID does not exist or is not allowed to access.",  
}
```

Error Payload Parameters

Name	Type	Description
errorCode	integer	Error code to indicate the error reason type. Please see 7. Error Codes and Messages for the details.
errorMessage	string	Error message to describe the reason. Please see 7. Error Codes and Messages for the details.

6. Callback to Redemption/Unredemption Report URL (Updated)

Description: When you redeem or unredeem a pass of a one-time redemption campaign and it is not performed by API, you can receive the notification by HTTP POST if the redemption/unredemption report URL is specified. You can assign redeem/unredeem report URL in the one-time redemption campaign editing page.

<

One-time Campaign Settings

2018-12-04 17:17:00 ~ End

Checkout Accounts
Choose existing or create new accounts to use with Pass2U Checkout Service to redeem passes.

Choose

Create

Import

Account	Password	Store Name	
1	1	test2	AuthorityDelete

Redeemable Barcode List
☒ All barcodes
☐ Specified barcodes (API only)

Redemption Report URL

https://webhook.site/70bd235b-64ff-4ab8-8f0d-0485dccf3584

Cancel

Save

URL Structure

Method	URL
POST	Your redemption/unredemption report URL (HTTPS is required) and it will be invoked by Pass2U

HTTP Request Header

Content-Type: application/json

HTTP Request Body

An JSON object contains redemption/unredemption information.

```
{  
  
  "modelId": 4677,  
  
  "passId": "T2bzXfEuEFXx",  
  
  "barcodeMessage": "123456",  
  
  "campaignId": 1911,  
  
  "campaignName": "To get a free drink",  
  
  "redeemedAt": "2018-12-10T18:25:55+08:00",  
  
  "checkoutAccount": "abc",  
  
  "storeNo": "test"  
}
```

Payload Parameters

Name	Type	Description
modelId	integer	The unique ID of the specified model.
campaignId	integer	The unique ID of the campaign.
campaignName	string	The name of the specified campaign.
passId	string	The unique ID of the created pass.
barcodeMessage	string	Redeemed or unredeemed barcode if using barcode passes.
nfcMessage	string	Redeemed or unredeemed NFC data if using NFC passes.
checkoutAccount	string	Identify which Checkout account redeems or unredeems the pass.
storeNo	string	Store name/number of the Checkout account.
redeemedAt	string	The date and time when the pass is redeemed in ISO 8601 format such as 2019-12-12T08:00:00+00:00.

unredeemedAt	string	The date and time when the pass is unredeemed in ISO 8601 format such as 2019-12-12T08:00:00+00:00.
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HTTP Response Header

none

HTTP Response Body

The receiver must return 200 to indicate success

7. Error Codes and Messages

Name	Description
5001	The model ID does not exist or is not allowed to access.
5002	The campaign ID does not exist or is not allowed to access.
5003	The Checkout account does not exist.
5004	The Checkout account is not allowed to redeem barcodes/NFC data of the campaign.
5005	The Checkout account is not allowed to unredeem barcodes/NFC data of the campaign.
5006	The barcode/NFC data is not redeemed.
5007	The barcode/NFC data is redeemed already.
5008	The barcode/NFC data does not exist.
5009	The pass is voided.
5010	The pass is expired.
5011	The campaign does not start yet.
5012	The campaign ends already.
5013	The barcode/NFC data is not included in the campaign.
5014	“The barcode/NFC data can be redeemed only after yyyy-MM-ddTHH:mm:ssZ” or “The barcode/NFC data can be redeemed only before yyyy-MM-ddTHH:mm:ssZ”.
5015	Barcodes/NFC data of the campaign are not allowed to customize.
5016	The updated value is invalid.