# REST API V1

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# Getting Started

## Basics

URL

Our API is accessible at **https://pass.center/api/**.

Versions

During the evolution of this API, there will be different API versions. The current API version is **v1** and can be accessed at **https://pass.center/api/v1**.

Response Formats

At the moment we only support **JSON** response format. (XML will be available in the future)

Error Codes

| Code | Text | Description |
|---|---|---|
| **200** | OK | Success |
| **201** | Created | Resource was created |
| **304** | Not Modified | There was no new data to return. |
| **400** | Bad Request | The request was invalid. An accompanying error message will explain why. |
| **401** | Unauthorized | Authentication credentials were missing or incorrect. |
| **402** | Payment required | The request is not available in your current price plan. |
| **403** | Forbidden | The request is understood, but it has been refused. |
| **404** | Not Found | The URI requested is invalid or the resource requested, such as a pass, does not exists. |
| **422** | Unprocessable Entity | The request was well-formed but was unable to be followed due validation errors. |
| **500** | Internal Server Error | Something is broken. Please contact support so that our developer team can investigate. |

# Security

In order to secure your passes, all communication with the API must be encrypted using **HTTPS** transport protocol.

Make sure that you verify our SSL certificate on your client side. Otherwise someone might be able to steal your API key and create passes on your behalf.

# Authentication

You need to authenticate your API request using an App Key. You can create multiple app keys with different access permission to your pass templates and/or pass type ids.

The app key can be send as the user (basic authorization) or directly in the authorization header of your request.
Here is an example on how to do this with cURL: `curl -u <APP-KEY>: https://pass.center/api/v1` (Please note the `:`)

# Passes

## GET passes

Resource URL

https://pass.center/api/v1/passes

Example Request

Request

```
GET https://pass.center/api/v1/passes
```

Response

```
[
    {
        "serialNumber": "27f145d2-5713-4a8d-af64-b269f95ade3b",
        "passType": "pass.example.id1"
    },
    {
        "serialNumber": "74fa4588-39ba-4a2e-a21b-eec763a6e828",
        "passType": "pass.example.id1"
    },
    {
        "serialNumber": "029f8ea9-5b36-4ec2-9931-8ba2776e3e63",
        "passType": "pass.example.id2"
    },
    {
        "serialNumber": "3e20ca18-ab69-465f-87ec-21724443d780",
        "passType": "pass.example.id3"
    }
]
```

### GET passes/:passTypeIdentifier

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier

Example Request

Request

```
GET https://pass.center/api/v1/passes/pass.example.id1
```

Response

```
[
    {
        "serialNumber": "27f145d2-5713-4a8d-af64-b269f95ade3b",
        "passType": "pass.example.id1"
    },
    {
        "serialNumber": "74fa4588-39ba-4a2e-a21b-eec763a6e828",
        "passType": "pass.example.id1"
    }
]
```

## GET passes/:passTypeIdentifier/:serialNumber

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b
```

## GET passes/:passTypeIdentifier/:serialNumber/url

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/url

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/url
```

Response

```
{
    "url": "https://pass.center/p/J_FF0lcTSo2vZLJp-VreOw?t=D0rLkv4"
}
```

# GET passes/:passTypeIdentifier/:serialNumber/passjson

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/passjson

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/passjson
```

Response


```
{
    "barcode": {
        "message": "123456789",
        "format": "PKBarcodeFormatPDF417",
        "messageEncoding": "iso-8859-1"
    },
    "logoText": "Megatron",
    "foregroundColor": "#ffffff",
    "backgroundColor": "rgb(60, 65, 76)",
    "generic": {
        "primaryFields": [
            {
                "key": "member",
                "value": "John Doe"
            }
        ],
        "secondaryFields": [
            {
                "key": "subtitle",
                "label": "MEMBER SINCE",
                "value": "2012"
            }
        ],
        "auxiliaryFields": [
            {
                "key": "location",
                "label": "LOCATION",
                "value": "Zurich"
            },
            {
                "key": "last",
                "label": "LAST AQUISITION",
                "value": "Retina iPad",
                "textAlignment": "PKTextAlignmentRight"
            }
        ]
    },
    "serialNumber": "27f145d2-5713-4a8d-af64-b269f95ade3b",
    "passTypeIdentifier": "pass.example.id1",
    "formatVersion": 1,
    "description": "",
    "organizationName": "Megatron Store",
    "teamIdentifier": "ABCDEFGHIJK",
    "authenticationToken": "282fbb91-2a7b-497e-bea3-cb8a8ea50d76",
    "webServiceURL": "https://domain.com"
}
```

## POST passes/:passTypeIdentifier/:serialNumber/email

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/email

Example Request

Request

`POST https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/email`

```
{
    "email": "user@example.com"
}
```

## POST passes/:passTypeIdentifier/:serialNumber/push

**NOTE:** By default service automatically sends push notifications when you change pass value. Use this API call only if you have disabled automatic push notifications.

***WARNING:*** *Excessive usage of push notifications can lead to rate limiting or blocking of your pass type id by apple!*

This call sends a push notification to all registered devices for the pass. Make sure that your pass template actually changed, otherwise notifications might not appear.

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/push

Example Request

Request

`POST https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/push`

## DELETE passes/:passTypeIdentifier/:serialNumber

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber

Example Request

Request

`DELETE https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b`

# Pass Values

## GET passes/:passTypeIdentifier/:serialNumber/values

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/values

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/values
```

Response

```
{
    "memberSince": "2012",
    "lastName": "Doh",
    "firstName": "John"
}
```

## PUT passes/:passTypeIdentifier/:serialNumber/values

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/values

Example Request

Request

```
PUT https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/values
```

```
{
    "firstName": "John",
    "lastName": "Doe",
    "memberSince": "2013"
}
```

Response

```
{
    "firstName": "John",
    "lastName": "Doe",
    "memberSince": "2013"
}
```

## PUT passes/:passTypeIdentifier/:serialNumber/values/:placeholderName

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/values/:placeholderName

Example Request

Request

```
PUT https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/values/
firstName
```

```
{
    "value": "Johnny"
}
```

Response

```
{
    "firstName": "Johnny",
    "lastName": "Doe",
    "memberSince": "2013"
}
```

# Pass Images

## GET passes/:passTypeIdentifier/:serialNumber/images

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images
```

Response

```
[
    {
        "type": "thumbnail",
        "urls": {
            "normal": "http://lh5.ggpht.com/0qzVjdQL88"
        }
    }
]
```

## DELETE passes/:passTypeIdentifier/:serialNumber/images

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images

Example Request

Request

```
DELETE https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images
```

## GET passes/:passTypeIdentifier/:serialNumber/images/:type

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images/:type

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images/icon
```

Response

```
[
    {
        "type": "icon",
        "urls": {
            "normal": "http://lh5.ggpht.com/GUv1BNzuC4gghq",
            "high": "http://lh4.ggpht.com/k0AzSi6gU272P6w"
        }
    }
]
```

## DELETE passes/:passTypeIdentifier/:serialNumber/images/:type

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images/:type

Example Request

Request

```
DELETE https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images/background
```

## GET passes/:passTypeIdentifier/:serialNumber/images/:type/:resolution

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images/:type/:resolution

Example Request

Request

```
GET https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images/icon/high
```

## POST passes/:passTypeIdentifier/:serialNumber/images/:type/:resolution

Creates or updates the image for the given type and resolution.

**NOTE:** The image file must have the name **image** in the multipart form data

Parameters

**:type**: icon, logo, thumbnail, background, footer, strip

**:resolution**: normal, high

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images/:type/:resolution

Example Request

Request

```
POST https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images/thumbnail/normal
```

```
1  ------------------------------330184f75e21
2  Content-Disposition: form-data; name="image"; filename="icon.png"
3  Content-Type: application/octet-stream
4
5  .PNG
6  imagedata
```

Response

```
{
    "type": "thumbnail",
    "urls": {
        "normal": "http://lh5.ggpht.com/GUv1BNzuC4gghq"
    }
}
```

## DELETE passes/:passTypeIdentifier/:serialNumber/images/:type/:resolution

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/images/:type/:resolution

Example Request

Request

```
DELETE https://pass.center/api/v1/passes/pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/images/thumbnail/high
```

# Pass Status

## GET passes/:passTypeIdentifier/:serialNumber/status

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/status

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/status
```

Response

```
{
    "status": "valid"
}
```

## PUT passes/:passTypeIdentifier/:serialNumber/status

This call only updates the status of the pass. No other action (like push notifications) are performed. Supported status: valid, invalid, redeemed, unpaid, locked, incomplete.

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/status

Example Request

Request

```
PUT https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/status
```

```
{
    "status": "redeemed"
}
```

Response

```
{
    "status": "redeemed"
}
```

# Pass Payment

## GET passes/:passTypeIdentifier/:serialNumber/price

This call returns the custom price of an unpaid Wallet pass. If the Wallet pass was paid by the user, price is null

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/price

Example Request

Request

```
GET https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/price
```

Response

```
{
    "price": 10.15
}
```

## PUT passes/:passTypeIdentifier/:serialNumber/price

This call sets a custom price for a Wallet pass. The Wallet pass status will be updated to unpaid.

**NOTE:** The corresponding pass template needs to have payment configured and enabled

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/price

Example Request

Request

```
PUT https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/price
```

```
{
    "price": 9.15
}
```

Response

```
{
    "price": 9.15
}
```

## DELETE passes/:passTypeIdentifier/:serialNumber/price

This call removes the custom price for a Wallet pass. The pass status will be updated to valid

Resource URL

https://pass.center/api/v1/passes/:passTypeIdentifier/:serialNumber/price

Example Request

Request

```
DELETE https://pass.center/api/v1/passes/
pass.example.id1/27f145d2-5713-4a8d-af64-b269f95ade3b/price
```

# Pass Templates

## GET templates

Resource URL

https://pass.center/api/v1/templates

Example Request

Request

`GET https://pass.center/api/v1/templates`

Response


```
[
    {
        "id": 1,
        "name": "Member Card",
        "formatVersion": 1,
        "passType": "pass.example.id1",
        "description": {
            "barcode": {
                "message": "123456789",
                "format": "PKBarcodeFormatPDF417",
                "messageEncoding": "iso-8859-1"
            },
            "logoText": "Megatron",
            "foregroundColor": "#ffffff",
            "backgroundColor": "rgb(60, 65, 76)",
            "generic": {
                "primaryFields": [
                    {
                        "key": "member",
                        "value": "${firstName} ${lastName}"
                    }
                ],
                "secondaryFields": [
                    {
                        "key": "subtitle",
                        "label": "MEMBER SINCE",
                        "value": "${memberSince}"
                    }
                ],
                "auxiliaryFields": [
                    {
                        "key": "location",
                        "label": "LOCATION",
                        "value": "Zurich"
                    },
                    {
                        "key": "last",
                        "label": "LAST AQUISITION",
                        "value": "Retina iPad",
                        "textAlignment": "PKTextAlignmentRight"
                    }
                ]
            }
        },
        "placeholder": [
            "firstName",
            "lastName",
            "memberSince"
        ]
    }
]
```

## POST templates

Resource URL

https://pass.center/api/v1/templates

Example Request

Request

`POST https://pass.center/api/v1/templates`

```
{
    "name": "Coupon",
    "passType": "pass.example.id2",
    "description": {
        "logoText": "Megatron",
        "foregroundColor": "#ffffff",
        "backgroundColor": "rgb(60, 65, 76)",
        "coupon": {
            "primaryFields": [
                {
                    "key": "offer",
                    "label": "Any Apple Hardware",
                    "value": "20% off"
                }
            ],
            "auxiliaryFields": [
                {
                    "key": "expires",
                    "label": "EXPIRES",
                    "value": "2 weeks"
                }
            ]
        }
    }
}
```

Response

```
{
    "id": 2,
    "name": "Coupon",
    "passType": "pass.example.id2"
}
```

## GET templates/:id

Resource URL

https://pass.center/api/v1/templates/:id

Example Request

Request

`GET https://pass.center/api/v1/templates/1`

Response

```
{
    "id": 1,
    "name": "Member Card",
    "formatVersion": 1,
    "passType": "pass.example.id1",
    "description": {
        "barcode": {
            "message": "123456789",
            "format": "PKBarcodeFormatPDF417",
            "messageEncoding": "iso-8859-1"
        },
        "logoText": "Megatron",
        "foregroundColor": "#ffffff",
        "backgroundColor": "rgb(60, 65, 76)",
        "generic": {
            "primaryFields": [
                {
                    "key": "member",
                    "value": "${firstName} ${lastName}"
                }
            ],
            "secondaryFields": [
                {
                    "key": "subtitle",
                    "label": "MEMBER SINCE",
                    "value": "${memberSince}"
                }
            ],
            "auxiliaryFields": [
                {
                    "key": "location",
                    "label": "LOCATION",
                    "value": "Zurich"
                },
                {
                    "key": "last",
                    "label": "LAST AQUISITION",
                    "value": "Retina iPad",
                    "textAlignment": "PKTextAlignmentRight"
                }
            ]
        }
    },
    "placeholder": [
        "firstName",
        "lastName",
        "memberSince"
    ]
}
```

## PUT templates/:id

Resource URL

https://pass.center/api/v1/templates/:id

Example Request

Request

```
PUT https://pass.center/api/v1/templates/2
```

```
{
    "id": 2,
    "name": "Megatron Coupon",
    "passType": "pass.example.id2",
    "description": {
        "logoText": "Megatron",
        "foregroundColor": "#ffffff",
        "backgroundColor": "rgb(60, 65, 76)",
        "coupon": {
            "primaryFields": [
                {
                    "key": "offer",
                    "label": "Any Apple Hardware",
                    "value": "30% off"
                }
            ],
            "auxiliaryFields": [
                {
                    "key": "expires",
                    "label": "EXPIRES",
                    "value": "4 weeks"
                }
            ]
        }
    }
}
```

Response

```
{
    "id": 2,
    "name": "Megatron Coupon",
    "passType": "pass.example.id2"
}
```

## DELETE templates/:id

Resource URL

https://pass.center/api/v1/templates/:id

Example Request

Request

```
DELETE https://pass.center/api/v1/templates/1
```

## GET templates/:id/url

Resource URL

https://pass.center/api/v1/templates/:id/url

Example Request

Request

```
GET https://pass.center/api/v1/templates/1/urls
```

Response

```
{
    "url": "https://pass.center/a"
}
```

# Pass Generation

## POST templates/:id/pass

Resource URL

https://pass.center/api/v1/templates/:id/pass

Example Request

Request

```
POST https://pass.center/api/v1/templates/1/pass
```

```
{
    "firstName": "John",
    "lastName": "Doe",
    "memberSince": "2012"
}
```

Response

```
{
    "serialNumber": "a187b8e0-e9ee-4b6f-869a-4dca6e277a91",
    "passTypeIdentifier": "pass.example.id1",
    "url": "https://pass.center/p/J_FF0lcTSo2vZLJp-VreOw?t=D0rLkv4"
}
```

## POST templates/:id/pass

With this variant of the API you can create a Wallet pass with values and images.

**NOTE:** The request must contain a multipart form data with name **values** that contain the json for the Wallet pass creation.

You can add additional multipart form data to add images to the Wallet pass. The images you upload here will take precedence over present images from the pass templates. So e.g. if the template has already an thumbnail and you add a thumbnail to the Wallet pass, the pass thumbnail will be used instead of the pass template thumbnail. **NOTE:** Use this only for images that are unique per Wallet pass, otherwise consider adding the image to the pass template.

Supported images names: icon, icon@2x, logo, logo@2x, thumbnail, thumbnail@2x, background, background@2x, footer, footer@2x, strip, strip@2x

Resource URL

https://pass.center/api/v1/templates/:id/pass

Example Request

Request

```
POST https://pass.center/api/v1/templates/1/pass
```

```
------------------------------330184f75e21
Content-Disposition: form-data; name="values";
filename="values.json"
Content-Type: application/json

{
    "firstName": "John",
    "lastName": "Doe",
    "memberSince": "2012"
}
------------------------------330184f75e21
Content-Disposition: form-data; name="icon"; filename="icon.png"
Content-Type: application/octet-stream

imagedata
------------------------------330184f75e21
Content-Disposition: form-data; name="icon@2x";
filename="icon@2x.png"
Content-Type: application/octet-stream

imagedata
```

Response

```
{
    "serialNumber": "a187b8e0-e9ee-4b6f-869a-4dca6e277a91",
    "passTypeIdentifier": "pass.example.id1",
    "url": "https://pass.center/p/J_FF0lcTSo2vZLJp-VreOw?t=D0rLkv4"
}
```

## POST templates/names/:name/pass

Resource URL

https://pass.center/api/v1/templates/names/:name/pass

Example Request

Request

```
POST https://pass.center/api/v1/templates/names/Member%20Card/pass
```

```
{
    "firstName": "John",
    "lastName": "Doe",
    "memberSince": "2012"
}
```

Response

```
{
    "serialNumber": "a187b8e0-e9ee-4b6f-869a-4dca6e277a91",
    "passTypeIdentifier": "pass.example.id1",
    "url": "https://pass.center/p/J_FF0lcTSo2vZLJp-VreOw?t=D0rLkv4"
}
```

## POST templates/names/:name/pass

With this variant of the API you can create a Wallet pass with values and images.

**NOTE:** The request must contain a multipart form data with name **values** that contain the json for the Wallet pass creation.

You can add additional multipart form data to add images to the Wallet pass. The images you upload here will take precedence over present images from the pass templates. So e.g. if the template has already an thumbnail and you add a thumbnail to the Wallet pass,

the pass thumbnail will be used instead of the pass template thumbnail. **NOTE:** Use this only for images that are unique per pass, otherwise consider adding the image to the pass template.
Supported images names: icon, icon@2x, logo, logo@2x, thumbnail, thumbnail@2x, background, background@2x, footer, footer@2x, strip, strip@2x

### Resource URL

https://pass.center/api/v1/templates/names/:name/pass

### Example Request

#### Request

```
POST https://pass.center/api/v1/templates/names/Member%20Card/pass
```

```
------------------------------330184f75e21
Content-Disposition: form-data; name="values";
filename="values.json"
Content-Type: application/json

{
    "firstName": "John",
    "lastName": "Doe",
    "memberSince": "2012"
}
------------------------------330184f75e21
Content-Disposition: form-data; name="icon"; filename="icon.png"
Content-Type: application/octet-stream

imagedata
------------------------------330184f75e21
Content-Disposition: form-data; name="icon@2x";
filename="icon@2x.png"
Content-Type: application/octet-stream

imagedata
```

#### Response

```
{
    "serialNumber": "a187b8e0-e9ee-4b6f-869a-4dca6e277a91",
    "passTypeIdentifier": "pass.example.id1",
    "url": "https://pass.center/p/J_FF0lcTSo2vZLJp-VreOw?t=D0rLkv4"
}
```

# Template Images

## GET templates/:id/images

Resource URL

https://pass.center/api/v1/templates/:id/images

Example Request

Request

```
GET https://pass.center/api/v1/templates/1/images
```

Response


```
[
    {
        "type": "icon",
        "urls": {
            "normal": "http://lh5.ggpht.com/GUv1BNzuC4gghq",
            "high": "http://lh4.ggpht.com/k0AzSi6gU272P6w"
        }
    },
    {
        "type": "background",
        "urls": {
            "normal": "http://lh3.ggpht.com/1RKfsnO3_3pVs",
            "high": "http://lh5.ggpht.com/0ImyqroiHUE"
        }
    },
    {
        "type": "logo",
        "urls": {
            "normal": "http://lh4.ggpht.com/Bfvr5aj-1tT",
            "high": "http://lh6.ggpht.com/7OyKCXYLAp7ae"
        }
    },
    {
        "type": "thumbnail",
        "urls": {
            "normal": "http://lh5.ggpht.com/0qzVjdQL88"
        }
    }
]
```


## DELETE templates/:id/images

Resource URL

https://pass.center/api/v1/templates/:id/images

Example Request

Request

```
DELETE https://pass.center/api/v1/templates/1/images
```

## GET templates/:id/images/:type

Resource URL

https://pass.center/api/v1/templates/:id/images/:type

Example Request

Request

```
GET https://pass.center/api/v1/templates/1/images/icon
```

Response

```
[
    {
        "type": "icon",
        "urls": {
            "normal": "http://lh5.ggpht.com/GUv1BNzuC4gghq",
            "high": "http://lh4.ggpht.com/k0AzSi6gU272P6w"
        }
    }
]
```

## DELETE templates/:id/images/:type

Resource URL

https://pass.center/api/v1/templates/:id/images/:type

Example Request

Request

```
DELETE https://pass.center/api/v1/templates/1/images/background
```

## GET templates/:id/images/:type/:resolution

Resource URL

https://pass.center/api/v1/templates/:id/images/:type/:resolution

Example Request

Request

```
GET https://pass.center/api/v1/templates/1/images/icon/high
```

## POST templates/:id/images/:type/:resolution

Creates or updates the image for the given type and resolution.

**NOTE:** The image file must have the name **image** in the multipart form data

Parameters

**:type**: icon, logo, thumbnail, background, footer, strip

**:resolution**: normal, high

Resource URL

https://pass.center/api/v1/templates/:id/images/:type/:resolution

Example Request

Request

```
POST https://pass.center/api/v1/templates/1/images/thumbnail/normal
```

```
------------------------------330184f75e21
Content-Disposition: form-data; name="image"; filename="icon.png"
Content-Type: application/octet-stream

.PNG
imagedata
```

Response

```
{
    "type": "thumbnail",
    "urls": {
        "normal": "http://lh5.ggpht.com/GUv1BNzuC4gghq"
    }
}
```


## DELETE templates/:id/images/:type/:resolution

Resource URL

https://pass.center/api/v1/templates/:id/images/:type/:resolution

Example Request

Request

```
DELETE https://pass.center/api/v1/templates/1/images/thumbnail/high
```

# Template Actions

## GET templates/:id/actions

Resource URL

https://pass.center/api/v1/templates/:id/actions

Example Request

Request

```
GET https://pass.center/api/v1/templates/2/actions
```

Response

```
{
    "redeem": true,
    "reactivate": false,
    "updateFields": [
        {
            "name": "firstName"
        }
    ]
}
```

## PUT templates/:id/actions

Resource URL

https://pass.center/api/v1/templates/:id/actions

Example Request

Request

```
PUT https://pass.center/api/v1/templates/2/actions
```

```
{
    "redeem": true,
    "reactivate": true,
    "updateFields": [
        {
            "name": "firstName"
        },
        {
            "name": "lastName"
        }
    ]
}
```

Response

```
{
    "redeem": true,
    "reactivate": true,
    "updateFields": [
        {
            "name": "firstName"
        },
        {
            "name": "lastName"
        }
    ]
}
```

# Template Branding

## GET templates/:id/branding

Resource URL

https://pass.center/api/v1/templates/:id/branding

Example Request

Request

```
GET https://pass.center/api/v1/templates/2/branding
```

Response

```
{
    "titleText": "Wallet",
    "headerText": "Your Card",
    "bodyTextColor": "#ffffff",
    "footerTextColor": "#ffffff",
    "footerBackgroundColor": "#ffc535",
    "footerImage": "http://lh5.ggpht.com/GUv1BNzuC4gghq"
}
```

## PUT templates/:id/branding

In order to set or delete the footer image, use PUT templates/:id/branding/footer/image and DELETE templates/:id/branding/footer/image.

Resource URL

https://pass.center/api/v1/templates/:id/branding

Example Request

Request

```
PUT https://pass.center/api/v1/templates/2/branding
```

```
{
    "titleText": "Wallet",
    "headerText": "Your Card",
    "bodyTextColor": "#ffffff",
    "footerTextColor": "#ffffff",
    "footerBackgroundColor": "#ffc535"
}
```

Response

```
{
    "titleText": "Wallet",
    "headerText": "Your Card",
    "bodyTextColor": "#ffffff",
    "footerTextColor": "#ffffff",
    "footerBackgroundColor": "#ffc535",
    "footerImage": "http://lh5.ggpht.com/GUv1BNzuC4gghq"
}
```

## PUT templates/:id/branding/footer/image

**NOTE:** The image file must have the name **image** in the multipart form data

Resource URL

https://pass.center/api/v1/templates/:id/branding/footer/image

Example Request

Request

```
PUT https://pass.center/api/v1/templates/2/branding/footer/image
```

```
----------------------------330184f75e21
Content-Disposition: form-data; name="image"; filename="brand.png"
Content-Type: application/octet-stream

.PNG
imagedata
```

Response

```
{
    "titleText": "Wallet",
    "headerText": "Your Card",
    "bodyTextColor": "#ffffff",
    "footerTextColor": "#ffffff",
    "footerBackgroundColor": "#ffc535",
    "footerImage": "http://lh5.ggpht.com/GUv1BNzuC4gghq"
}
```

## DELETE templates/:id/branding/footer/image

Resource URL

https://pass.center/api/v1/templates/:id/branding/footer/image

Example Request

Request

```
DELETE https://pass.center/api/v1/templates/2/branding/footer/image
```

Response

```
{
    "titleText": "Wallet",
    "headerText": "Your Card",
    "bodyTextColor": "#ffffff",
    "footerTextColor": "#ffffff",
    "footerBackgroundColor": "#ffc535"
}
```

# Template Distribution Restrictions

## GET templates/:id/restrictions

Resource URL

https://pass.center/api/v1/templates/:id/restrictions

Example Request

Request

```
GET https://pass.center/api/v1/templates/2/restrictions
```

Response

```
{
    "quantityRestriction": 1000,
    "redemptionRestriction": 100,
    "passwordProtection": "password",
    "dateRestriction": "2014-02-12T11:13:39Z",
    "sharingRestriction": true
}
```

## PUT templates/:id/restrictions

To disable a restriction, don't include the restriction property in the request.

**Note:** *dateRestriction* must be a valid ISO 8601 date string, see the example below for a sample

Resource URL

https://pass.center/api/v1/templates/:id/restrictions

Example Request

Request

```
PUT https://pass.center/api/v1/templates/2/restrictions
```

```
{
    "quantityRestriction": 1000,
    "redemptionRestriction": 100,
    "passwordProtection": "password",
    "dateRestriction": "2014-02-12T00:00:00Z",
    "sharingRestriction": true
}
```

Response

```
{
    "quantityRestriction": 1000,
    "redemptionRestriction": 100,
    "passwordProtection": "password",
    "dateRestriction": "2014-02-12T11:13:39Z",
    "sharingRestriction": true
}
```

# Template Payment Settings

## GET templates/:id/payment

Resource URL

https://pass.center/api/v1/templates/:id/payment

Example Request

Request

```
GET https://pass.center/api/v1/templates/2/payments
```

Response

```
{
    "enabled": true,
    "currency": "USD",
    "price": 10.5,
    "provider": "PayPalNVP",
    "providerSettings": {
        "username": "user",
        "password": "pwd",
        "signature": "signature"
    }
}
```

## PUT templates/:id/payment

Payment Providers

The following payment provider are available: **PayPalNVP**, **Stripe**, **PAYMILL**.
Please note that those strings are case sensitive.

Payment Providers Settings

If not other mentioned, all settings are strings

**PayPalNVP**

Required settings: **username**, **password**, **signature**

Optional settings: **sandbox** (boolean), **itemName**

**Stripe**

Required settings: **publishableKey**, **secretKey**

**PAYMILL**

Required settings: **publicKey**, **privateKey**

Resource URL

https://pass.center/api/v1/templates/:id/payment

Example Request

Request

```
PUT https://pass.center/api/v1/templates/2/payment
```

```
{
    "enabled": true,
    "currency": "USD",
    "price": 10.5,
    "provider": "PayPalNVP",
    "providerSettings": {
        "username": "user",
        "password": "pwd",
        "signature": "signature"
    }
}
```

Response

```
{
    "enabled": true,
    "currency": "USD",
    "price": 10.5,
    "provider": "PayPalNVP",
    "providerSettings": {
        "username": "user",
        "password": "pwd",
        "signature": "signature"
    }
}
```

# Pass Type IDs

## GET passtypes

Resource URL

https://pass.center/api/v1/passtypes

Example Request

Request

```
GET https://pass.center/api/v1/passtypes
```

Response

```
[
    {
        "id": "pass.example.id1",
        "organizationName": "Example Organization",
        "teamIdentifier": " ABCDEFGHIJ",
        "certificateExpirationDate": "2014-06-22T02:55:50Z"
    },
    {
        "id": "pass.example.id2",
        "organizationName": "Example Organization",
        "teamIdentifier": " ABCDEFGHIJ",
        "certificateExpirationDate": "2014-06-22T02:56:13Z"
    }
]
```

## GET passtypes/:id

Resource URL

https://pass.center/api/v1/passtypes/:id

Example Request

Request

```
GET https://pass.center/api/v1/passtypes/pass.example.id1
```

Response

```
{
    "id": "pass.example.id1",
    "organizationName": "Example Organization",
    "teamIdentifier": " ABCDEFGHIJ",
    "certificateExpirationDate": "2014-06-22T02:55:50Z"
}
```

# Scanners

## GET scanners

**NOTE:** Your app key must have full access to manage scanners.

Resource URL

https://pass.center/api/v1/scanners

Example Request

Request

```
GET https://pass.center/api/v1/scanners
```

Response

```
[
    {
        "id": 1,
        "name": "Scanner 1",
        "type": "PassVerifier",
        "authenticationToken": "abcdefghijklmnopqrst",
        "passverifierAuthorizationURL": "passverifier://setToken/
abcdefghijklmnopqrst",
        "fullAccess": true
    },
    {
        "id": 2,
        "name": "Scanner 2",
        "type": "Browser",
        "pin": "1234",
        "fullAccess": false,
        "allowedTemplates": [
            1
        ]
    }
]
```

## POST scanners

**NOTE:** Your app key must have full access to manage scanners.

If you set **fullAccess** of false for a scanner, you need to provide **allowedTemplates** (array of template ids)

Supported scanner types (case sensitive): **PassVerifier**, **Browser**

Resource URL

https://pass.center/api/v1/scanners

Example Request

Request

```
POST https://pass.center/api/v1/scanners
```

```
{
    "name": "Scanner 3",
    "type": "PassVerifier",
    "fullAccess": true
}
```

Response

```
{
    "id": 3,
    "name": "Scanner 3",
    "type": "PassVerifier",
    "authenticationToken": "JCCQ5jOPFu2cwthQsX5j",
    "passverifierAuthorizationURL": "passverifier://setToken/
JCCQ5jOPFu2cwthQsX5j",
    "fullAccess": true
}
```

## GET scanners/:id

**NOTE:** Your app key must have full access to manage scanners.

Resource URL

https://pass.center/api/v1/scanners/:id

Example Request

Request

```
GET https://pass.center/api/v1/scanners/1
```

Response

```
{
    "id": 1,
    "name": "Scanner 1",
    "type": "PassVerifier",
    "authenticationToken": "abcdefghijklmnopqrst",
    "passverifierAuthorizationURL": "passverifier://setToken/
abcdefghijklmnopqrst",
    "fullAccess": true
}
```

## PUT scanners/:id

**NOTE:** Your app key must have full access to manage scanners.

You can only update **name**, **fullAccess** and **allowedTemplates**

Resource URL

https://pass.center/api/v1/scanners/:id

Example Request

Request

```
PUT https://pass.center/api/v1/scanners/3
```

```
{
    "name": "Scanner 3",
    "fullAccess": false,
    "allowedTemplates": [
        1
    ]
}
```

Response

```
{
    "id": 3,
    "name": "Scanner 3",
    "authenticationToken": "JCCQ5jOPFu2cwthQsX5j",
    "passverifierAuthorizationURL": "passverifier://setToken/
JCCQ5jOPFu2cwthQsX5j",
    "fullAccess": false,
    "allowedTemplates": [
        1
    ]
}
```


## DELETE scanners/:id

**NOTE:** Your app key must have full access to manage scanners.

Resource URL

https://pass.center/api/v1/scanners/:id

Example Request

Request

```
DELETE https://pass.center/api/v1/scanners/3
```