

# Wallet Manager Messaging API

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## Available API methods

- [Get Wallet Messages](#)
- [Get Wallet Message](#)
- [Create Mobile Wallet Message](#)

## Get Wallet Messages

The following retrieves an array of all the previous Wallet messages on the campaign.

```
GET /companies/:company_key/campaigns/wallet/:wallet_id/messages
```

A maximum of the 50 most recent records will be returned.



### Notes:

- A *404 - Not Found* object will be returned if the specified Mobile Wallet *:wallet\_id* does not exist.
- Android devices can only receive location notifications; they cannot receive scheduled notifications.
  - Important: Google has temporarily made geofenced notifications unavailable for a majority of users while they make platform improvements. [View more information here.](#)
- The *wallet\_id* is the SmartLink token for a campaign.

## Return JSON

```
[
  {
    "wallet_message_id": "abcdef23SDF2",
    "message": {
      "template": "This is the updated message I would like to send.",
      "header": "Header, for Android Pay only.",
      "image_url": "http://www.google.com/wallet.jpg"
    },
    "campaign_ref": {
      "id": "abCDefGHij",
      "type": "Loyalty",
      "url": "/companies/:company_key/campaigns/wallet/abCDefGHij"
    },
    "filters": [
      {
        "name": "group_code",
        "selector": "starts_with",
        "value": "DEA"
      },
      {
        "name": "expiration_date",
        "selector": "between",
        "value": ["2018-02-28T10:20:30-06:00", "2018-03-04T10:20:30-06:00"]
      },
      {
        "name": "providers",
        "selector": "any",
        "value": [
          "Passbook"
        ]
      }
    ],
    "url": "/companies/:company_key/campaigns/wallet/abCDefGHij/messages/abcdef23SDF2",
    "created_at": "2017-01-15T14:30Z",
    "updated_at": "2017-02-18T19:30Z"
  },
  {

```

```

"wallet_message_id": "abcde123",
"message": {
  "template": "This is another message.",
  "header": "Header, for Android Pay only.",
  "image_url": "http://www.google.com/wallet.jpg"
},
"campaign_ref": {
  "id": "abCDefGHij",
  "type": "Loyalty",
  "url": "/companies/:company_key/campaigns/wallet/abCDefGHij"
},
"filters": [
  {
    "name": "group_code",
    "selector": "starts_with",
    "value": "DEA"
  },
  {
    "name": "expiration_date",
    "selector": "between",
    "value": ["2018-02-28T10:20:30-06:00", "2018-03-04T10:20:30-06:00"]
  },
  {
    "name": "providers",
    "selector": "any",
    "value": [
      "Passbook"
    ]
  }
],
"url": "/companies/:company_key/campaigns/wallet/abCDefGHij/messages/abcde123",
"created_at": "2017-01-15T14:30Z",
"updated_at": "2017-02-18T19:30Z"
}
]

```

## Get Wallet Message

The following retrieves a specific Wallet message identified by the `:wallet_message_id`.

```
GET /companies/:company_key/campaigns/wallet/:wallet_id/messages/:wallet_message_id
```



### Note:

- A *404 - Not Found* object will be returned if the specified Mobile Wallet Campaign or Wallet message does not exist.
- The `wallet_id` is the SmartLink token for a campaign.

## Return JSON

```

{
  "wallet_message_id": "abcdef23SDF2",
  "message": {
    "template": "This is the updated message I would like to send.",
    "header": "Header, for Android Pay only.",
    "image_url": "http://www.google.com/wallet.jpg"
  },
  "campaign_ref": {
    "id": "abCDefGHij",
    "type": "Loyalty",
    "url": "/companies/:company_key/campaigns/wallet/abCDefGHij"
  },
  "filters": [
    {
      "name": "group_code",
      "selector": "starts_with",
      "value": "DEA"
    },
    {
      "name": "expiration_date",
      "selector": "between",
      "value": [ "2018-02-28T10:20:30-06:00", "2018-03-04T10:20:30-06:00" ]
    },
    {
      "name": "providers",
      "selector": "any",
      "value": [
        "Passbook"
      ]
    }
  ],
  "url": "/companies/:company_key/campaigns/wallet/abCDefGHij/messages/abcdef23SDF2",
  "created_at": "2017-01-15T14:30Z",
  "updated_at": "2017-02-18T19:30Z"
}

```

## Create Mobile Wallet Message

The following will create a new Wallet message and immediately begin sending it out to the targeted Wallet items.

```
POST /companies/:company_key/campaigns/wallet/:wallet_id/messages
```



**Notes:** The *wallet\_id* is the SmartLink token for a campaign.

The *created\_at*, *updated\_at*, *url*, and *wallet\_message\_id* fields are system generated. Any values specified in the request will be ignored.



**Notes:**

- Messages based on location (Latitude/Longitude) can be sent for Apple and Android, but time-based notifications can only be sent for Apple.
- An *HTTP 200* status code means that an OK result will be returned if the operation completes successfully.
- An *HTTP 404 - Not Found* error will be returned if the specified Mobile Wallet *wallet\_id* does not exist.

## Request JSON

```

{
  "message":{
    "template":"This is the updated message I would like to send.",
    "header":"Header, for Android Pay only.",
    "image_url":"http://www.google.com/wallet.jpg"
  },
  "campaign_ref":{
    "id":"abCDefGHij",
    "type":"Loyalty",
    "url":"/companies/:company_key/campaigns/wallet/abCDefGHij"
  },
  "filters":[
    {
      "name":"group_code",
      "selector":"starts_with",
      "value":"DEA"
    },
    {
      "name":"expiration_date",
      "selector":"between",
      "value":["2018-02-28T10:20:30-06:00", "2018-03-04T10:20:30-06:00"]
    },
    {
      "name":"providers",
      "selector":"any",
      "value":[
        "Passbook"
      ]
    }
  ]
}

```

## Return JSON

A Wallet message entity reflecting the message created.

## Filter Options for Create Mobile Wallet Message API

### First Class Field Filter

Selector	Value	Example
any	String	{ "name" : "first_class_field", "field_name": "first_name", "selector" : "any", "value" : ["Your Name"] }
starts_with	String	{ "name" : "first_class_field", "field_name": "last_name", "selector" : "starts_with", "value" : "R" }

The *loyalty\_balance* First Class Field supports comparison of float values.

Selector	Value	Example
=, <, <=, >, >=	String	{ "name" : "first_class_field", "field_name" : "loyalty_balance", "selector" : ">=", "value" : 100.5 }
between	String	{ "name" : "first_class_field", "field_name" : "loyalty_balance", "selector" : "between", "value" : [1,10] }

### Group Code Filter

Selector	Value	Example
any	String	{ "name" : "group_code", "selector" : "any", "value" : "code1" }

starts_with	String	{ "name" : "group_code", "selector" : "starts_with", "value" : "code1" }
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### Provider Filter

Selector	Value	Example
any	Array. Possible values are: "passbook" or "google"	{ "name" : "provider", "selector" : "any", "value" : ["passbook", "google"] }

### Expiration Date Filter

Selector	Value	Example
before	String. Date in ISO8601 format with offset.	{ "name": "expiration_date", "selector": "before", "value": "2017-10-25T10:20:30-06:00" }
after	String. Date in ISO8601 format with offset.	{ "name": "expiration_date", "selector": "after", "value": "2017-10-25T10:20:30-06:00" }
between	Array. 2 dates in ISO8601 format with offset.	{ "name": "expiration_date", "selector": "between", "value": ["2017-10-24T10:20:30-06:00", "2017-10-25T10:20:30-06:00"] }
on	String. Date in ISO8601 with offset	{ "name": "expiration_date", "selector": "on", "value": "2017-10-25T10:20:30-06:00" }

### First Class Fields

See the [Wallet Manager - First Class Fields](#) page to get more information on how first class fields work.



#### Notes:

- ISO8601 format is required. The filter expects an expiration date with a date, time and offset information. Any offset can be used.
- "on" selector is equivalent to between: [expiration\_date (beginning of day), expiration\_date (end of day)].