Table of Contents

[INTRODUCTION 2](#_Toc202540646)

[ENDPOINTS 3](#_Toc202540647)

[API SPECIFICATION 4](#_Toc202540648)

[REFUND API 4](#_Toc202540649)

[Request: 4](#_Toc202540650)

[**Response** 5](#_Toc202540651)

[REFUND QUERY 6](#_Toc202540652)

[Request 6](#_Toc202540653)

[Response 6](#_Toc202540654)

[NOTIFICATION 7](#_Toc202540655)

[Payload 7](#_Toc202540656)

[Response 8](#_Toc202540657)

[Status Codes 8](#_Toc202540658)

# INTRODUCTION

This document involves description of:

* GLODIPAY Refund API

# ENDPOINTS

|  |  |
| --- | --- |
| **Environment** | **Base Endpoint** |
| **Test** | **https://payment-sandbox.gpayprocessing.com** |
| **Production** | **Get it from the** [**API Keys**](https://portal.glodipay.com/api-config) **page of the GLODIPAY Portal** |

# API SPECIFICATION

## REFUND API

### Request:

* Endpoint: /v1/refund
* Method: POST
* Content Type: application/json

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| transactionId | String (ULID) | M | The transactionId you receive from the checkout webhook  will look like this: 01jza90dy6w82dfrrqvadn5vs4. |
| amount | Float | M | Refund amount |
| reason | String | M | A short description of refund reason |
| signature | String | M | [Signature](#_Code_example) is calculated in the following steps:   1. Concatenate all parameters values except the signature (arranged in ascending order of parameter’s name) to a string 2. RSA sign the hash by merchant’s private key |

M = Mandatory

O = Optional

C = Condition

**Response**

* Method: Form POST
* Content type: application/json

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| status | String | M | **success, error** |
| message | String | M |  |
| errors | JSON | O |  |
| data | JSON | O | {  "refundId": "01jzabk09xc4pbgwe8hyg4cwbf",  "refundNumber": "2507-1751420414"  } |

## REFUND QUERY

### Request

* Function: query the info of a refund.
* Endpoint: /v1/refund/query
* Method: POST
* Data format: JSON

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| refundId | String | M | GLODIPAY Identify refund |
| signature | String | M | [Signature](#_Code_example) is calculated in the following steps:   1. Concatenate all parameters values except the signature (arranged in ascending order of parameter’s name) to a string 2. RSA sign the hash by merchant’s private key |

### Response

The same with [NOTIFICATION](#_NOTIFICATION) [payload](#_Payload)

## NOTIFICATION

* Function: send instant refund notification to merchant over API
* Method: POST
* Data format: JSON

### Payload

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| currency | String | M | Invoice [currency](#_Currency_Codes), ISO 4217 standard specifies three-letter ("Alpha-3") codes. e.g. USD |
| message | String | O | Refund message |
| metadata | JSON | O | Set of key-value pairs of checkout session |
| originalRefundCreatedAt | ISO 8601 datetime format | M | Original Datetime E.g: 2023-12-16T02:13:37+00:00 |
| reason | String | O |  |
| ref | String | M | Merchant Identify transaction |
| refundAmount | Float | M |  |
| refundCreatedAt | ISO 8601 datetime format | M | Datetime from GLODIPAY system E.g: 2023-12-16T02:13:37+00:00 |
| refundId | String | M | GLODIPAY Identify Refund |
| status | String | M | Status of refund |
| [statusCode](#_Status_Codes) | Number | M | Status code of refund |
| transactionCreatedAt | ISO 8601 datetime format | M | Datetime from GLODIPAY system E.g: 2023-12-16T02:13:37+00:00 |
| transactionId | String | M | GLODIPAY Identify transaction |
| signature | String | M | [Signature](#_Code_example) is calculated in the following steps:   1. Concatenate all parameters values except the signature (arranged in ascending order of parameter’s name) to a string 2. RSA sign the hash by merchant’s private key |

### Response

* Data format: JSON

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| returnCode | String | R | Return code “100” to let GLODIPAY recognize that you have received the webhook. |
| description | String L (1,1500) | O | Description for the response |

## Status Codes

|  |  |
| --- | --- |
| **CODE** | **DESCRIPTION** |
| 8 | refund\_initiated |
| 9 | refund\_failed |
| 10 | refund\_under\_review |
| 11 | refund\_successful |
| 12 | refund\_partially\_failed |
| 13 | refund\_partially\_successful |