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# INTRODUCTION

This document involves description of:

* GLODIPAY Checkout: supports merchants to accept credit/debit cards, mobile banking, QR code, wallets, crypto in one single payment platform

# 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

## POST PAYMENT

### Request:

* Endpoint: /v1/checkout
* Method: Form Post
* Content Type: Form Data

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| merchantId | String L (1,50) | M | Merchant’s id |
| orderRef | String L (1,250) | M | Merchant **unique Identify** transaction |
| amount | Float | M | Invoice amount |
| currency | String L (3) | M | Invoice [currency](#page26), ISO 4217 standard specifies three-letter ("Alpha-3") codes. e.g. USD |
| cancelUrl | String L (1,300) | M | (Frontend) The URL the customer will be directed to if they decide to cancel payment and return to your website.  Please make sure that the URL is under https! |
| callbackUrl | String L (1,300) | M | (Frontend) URL where the customer is directed to after a successful payment. Please make sure that the URL is under https! |
| notificationUrl | String L (1,300) | M | Endpoint on your server for GLODIPAY to send webhooks.  Please make sure that the URL is under https! |
| errorUrl | String L (1,300) | M | (Frontend) URL where the customer is redirected in case of an error in the payment.  Please make sure that the URL is under https! |
| orderDescription | String | M | A short description of the underlying transaction or trade to be displayed on the redirection screen |
| metadata | JSON | O | Set of key-value pairs that can be attached to the checkout session |
| transactionDocuments | JSON | O | Supporting documents for the transaction |
| paymentMethod | String | M | Specify the [payment methods](#_Payment_Methods) you want displayed for the session |
| paymentFilter | JSON | O | Specify the payment methods you want removed for the session |
| feeBySeller | Number min(0), max(100) | O | An integer between 0 and 100. Percentage of processing fee to be paid by the merchant. GLODIPAY will charge the merchant an amount. |
| billingFirstName | String | O | Billing Details - Address, Recipient Name  If Country is US and CA, postal code is mandatory |
| billingLastName | String | O |
| billingStreet1 | String | O |
| billingStreet2 | String | O |
| billingCity | String | O |
| billingEmail | String | O |
| billingState | String | O |
| billingCountry | String | O | Address [country](#_Country_Codes) (Country (ISO 3166-1 alpha\_2 country code) |
| billingPostalCode | String | O | Postal Code |
| billingPhoneCountryCode | String | O | Calling country code (for example, '1' for United States, '91' for India) |
| billingPhoneNumber | String | O | Phone Number |
| brandName | String L (1,255) | O | Override the Brand Name to be displayed on the GLODIPAY hosted checkout screen |
| colorMode | String L (1,255) | O | You can pass up to 3 color codes, separated by ---.  Examples:  Color names:  darkgreen---lightgreen---mediumseagreen  HEX codes:  #2e7d32---#e8f5e9---#81c784  RGBA values:  rgba(46,125,50,1)---rgba(232,245,233,1)--- rgba(129,199,132,1) |
| logoSource | String L (1,255) | O | Override the Logo to be displayed on the GLODIPAY hosted checkout screen |
| customerIp | String | M | IP address of the customer |
| 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 |
| connectionMode | String | O | * DIRECT\_POST (form-data) * API (request and receive JSON in response) * Default: DIRECT\_POST |

M = Mandatory

O = Optional

**Response with connectionMode: API**

* Method: POST
* Content type: application/json

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| **status** | **String** | M | * **created** * **error** |
| **transactionId** | **String** | O | GLODIPAY Identify transaction |
| **paymentLink** | **String** | O | Redirect buyer to this endpoint |
| **message** | **String** | M |  |

**Data will be included when calling the callbackUrl**

* Method: GET

GLODIPAY will sending payment result to merchant server’s endpoint as specified in **callbackUrl**.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| [payload](#_Payload_Base_64) | Base 64 String | M | Base 64 string contains JSON. |

**Payload Base 64 decode JSON fields**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| status | String | M | General status of transaction. |
| transactionId | String | O | GLODIPAY Identify transaction |
| ref | String | O | Merchant Identify transaction |
| amount | Float | O |  |
| currency | String | O | Invoice [currency](#page26), ISO 4217 standard specifies three-letter ("Alpha-3") codes. e.g. USD |
| signature | String | O | [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 |

## TRANSACTION QUERY

### Request

* Function: query the info of a transaction.
* Endpoint: /v1/checkout/query
* Method: Post
* Data format: JSON

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| merchantId | String | M | Merchant’s id |
| 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

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

## NOTIFICATION

* Function: send instant payment notification to merchant over API
* Method: Post
* Data format: JSON
* [Return JSON payload {“returnCode”:”100”} in 30 seconds to let GLODIPAY recognize that you have received the Webhook. If not, GLODIPAY will send the Webhook 10 times. The first time is 30 minutes after the transaction is initiated, and then every 5 minutes thereafter if transaction is completely succeeded.](#_Response)

### Payload

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| merchantId | String | M | Merchant’s id |
| transactionId | String | M | GLODIPAY Identify transaction |
| transactionNumber | String | M | GLODIPAY Transaction Number |
| ref | String | M | Merchant Identify transaction |
| currency | String | M | Invoice [currency](#_Currency_Codes), ISO 4217 standard specifies three-letter ("Alpha-3") codes. e.g. USD |
| amount | Float | M |  |
| paidAmount | Float | O | Paid amount |
| settlementAmount | Float | O | Settlement amount |
| estimationSettlementAt | ISO 8601 datetime format | O | Estimation Settlement Datetime E.g: 2023-12-16T02:13:37+00:00 |
| [fees](#_fees_JSON_fields) | JSON | O | Fees JSON |
| [paymentMethodDetails](#_paymentMethodDetails_JSON_fields) | JSON | O |  |
| status | String | M | Status of transaction |
| [statusCode](#_Status_Codes) | Number | M | Status code of transaction |
| metadata | JSON | O | Set of key-value pairs of checkout session |
| transactionDocuments | JSON | O | Documents of the transaction |
| message | String | O | Transaction message |
| transactionCreatedAt | ISO 8601 datetime format | M | Datetime from GLODIPAY system E.g: 2023-12-16T02:13:37+00:00 |
| originalTransactionCreatedAt | ISO 8601 datetime format | M | Original Datetime E.g: 2023-12-16T02:13:37+00:00 |
| 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 |

#### fees JSON fields

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| operate | Float | O | Total fees |
| buyer | Float | O | Buyer fees amount |
| seller | Float | O | Seller fees amount |
| rolling | Float | O | Rolling fees amount |
| estimationRollingReleaseAt | ISO 8601 datetime format | O | Estimation Rolling Release Datetime  E.g: 2025-04-27T02:47:02+00:00 |

#### paymentMethodDetails JSON fields

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Field Type** | **Required** | **Description** |
| displayName | String | O | Payment method label |
| group | String | O | Payment method group type |
| family | String | O | Payment method family type |
| type | String | O | Name of payment method type  You can use this value to specify Payment method in [POST PAYMENT](#_Request:) of field [paymentMethod](#_paymentMethod) or [paymentFilter](#_paymentFilter) |
| Value of [*type*](#_type) | JSON | O |  |

### 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 |

# Simulating Payments

## Test Cards with merchant ID start with 10xxxxxxxx

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Scenarios** | **Card No.** | **CVV** | **Expiry** | **"Password/PIN (Case sensitive)"** |
| Without 3DS | Transaction Success | 4556218578001529 | Any 3 numerical digits | Any future date | - |
| Without 3DS | Transaction Declined | 4804262554494753 | Any 3 numerical digits | Any future date | - |
| With 3DS - Frictionless | Authentication Successful | 4532691318874448 | Any 3 numerical digits | Any future date | - |
| With 3DS - Frictionless | Authentication Failure | 4929653796729263 | Any 3 numerical digits | Any future date | - |
| With 3DS - Frictionless | Authorization Successful | 4716858016270272 | Any 3 numerical digits | Any future date | - |
| With 3DS - Frictionless | Authorization failure- Insufficient funds | 4556225847192831 | Any 3 numerical digits | Any future date | - |
| With 3DS - Challenge | Authentication Successful | 4716959793397708 | Any 3 numerical digits | Any future date | 101010! |
| With 3DS - Challenge | Authentication Failure | 4716959793397708 | Any 3 numerical digits | Any future date | Any wrong pin |
| With 3DS - Challenge | Authorization Successful | 4916243871650546 | Any 3 numerical digits | Any future date | - |
| With 3DS - Challenge | Authorization failure- Insufficient funds | 4024007127258902 | Any 3 numerical digits | Any future date | - |

## Test Cards with merchant ID start with 30xxxxxxxx or 40xxxxxxxx

Use the following test data to emulate the different scenarios.

Scenario: SUCCESS payment

Card number 4111 1111 1111 1111

Expiry Date 01/25

CVV2 any 3 digits

Result: customer is redirected to the "callbackUrl"

Scenario: FAILED payment (decline)

Card number 4111 1111 1111 1111

Expiry Date 02/25

CVV2 any 3 digits

Result: customer gets an error message: Declined by processing.

Scenario: SUCCESS 3DS payment

Card number 4111 1111 1111 1111

Expiry Date 05/25

CVV2 any 3 digits

Result: customer is redirected to the "callbackUrl" after 3DS verification

Scenario: FAILED 3DS payment

Card number 4111 1111 1111 1111

Expiry Date 06/25

CVV2 any 3 digits

Result: customer gets unsuccessful sale after 3DS verification

Scenario: FAILED payment (Luhn algorithm)

Card number 1111 2222 3333 4444

Expiry Date 01/25

CVV2 any 3 digits

Result: customer gets an error message: Bad Request. Brand of card does not support.

## Test Cards with merchant ID start with 50xxxxxxxx

| **Card Number** | **Expire** | **CVV** |
| --- | --- | --- |
| 4000 0000 0000 1000 | 02/28 | 123 |
| 4000 0000 0000 1091 | 02/28 | 123 |

## Test Cards with merchant ID start with 60xxxxxxxx or 11xxxxxxxx

| **Card Number** | **Expire** | **CVV** | **Password** |  |
| --- | --- | --- | --- | --- |
| 4242424242424242 | 12/30 | 123 |  | Success |
| 4000000000001018 | 12/30 | 123 |  | Fail |
| 4012888888881881 | 01/30 | 029 | Success: 123456  Fail: 111111 | 3DS Payment |
| 5111111111111118 | 01/30 | 029 | Success: 123456  Fail: 111111 | 3DS Payment |
| 4141414141414141 | 12/30 | 123 | Success: 123456  Fail: 111111 | 3DS Payment |

## Test Cards with merchant ID start with 12xxxxxxxx

| **Card Number** | **Expire** | **CVV** |  |
| --- | --- | --- | --- |
| 4012000300000021 | 12/30 | 123 | Success |
| 4012000300000013 | 12/30 | 123 | Fail |

## Test Cards with merchant ID start with 14xxxxxxxx

| **Card Number** | **Expire** | **CVV** | **Password** |  |
| --- | --- | --- | --- | --- |
| 4111111111111111 | 01/30 | 029 |  | Success |
| 5555555555554444 | 01/30 | 029 |  | Success |
| 4012888888881881 | 01/30 | 029 | Success: 123456  Fail: 111111 | 3DS Payment |
| 5111111111111118 | 01/30 | 029 | Success: 123456  Fail: 111111 | 3DS Payment |
| 4141414141414141 | 12/30 | 123 | Success: 123456  Fail: 111111 | 3DS Payment |

# APPENDIX

## Payment Methods

|  |  |
| --- | --- |
| **NAME** | **DESCRIPTION** |
| card | Credit or Debit cards |
| googlepay | Google Pay |
| applepay | Apple Pay |
| paypal | PayPal |
| ibanking\_push | Instant Online Bank Transfer |
| local\_bank\_transfer | Domestic Bank Money Transfer |
| wire\_transfer | Direct Electronic Money Transfer |
| wallet | Digital Wallet |
| alipay | AliPay |
| wechat | Wechat pay |
| skrill | Global Digital Payment Platform |
| crypto | Digital, Secure, Blockchain Payment System |
| APM | Not including card |
| ALL | All payment methods |
| … | … |

## Status Codes

|  |  |
| --- | --- |
| **CODE** | **DESCRIPTION** |
| 1 | incomplete |
| 2 | pending |
| 3 | error |
| 4 | failed |
| 5 | under\_review |
| 6 | successful |
| 7 | released |
| 8 | refund\_initiated |
| 9 | refund\_failed |
| 10 | refund\_under\_review |
| 11 | refund\_successful |
| 12 | refund\_partially\_failed |
| 13 | refund\_partially\_successful |
| 14 | canceled |
| 15 | rejected |
| 16 | expired |
| 17 | documents\_uploaded |
| 18 | void\_initiated |
| 19 | void\_under\_review |
| 20 | void\_successful |
| 21 | void\_failed |
| 22 | void\_partially\_successful |
| 23 | void\_partially\_failed |

## Currency Codes

The following is a list of active codes of official ISO 4217 currency names as of 1 April 2022. In the standard the values are called "alphabetic code", "numeric code", "minor unit", and "entity".

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Num** | **Currency** | **Locations listed for this currency**[**[b]**](https://en.wikipedia.org/wiki/ISO_4217#cite_note-7) |
| **AED** | 784 | [United Arab Emirates dirham](https://en.wikipedia.org/wiki/United_Arab_Emirates_dirham) | [United Arab Emirates](https://en.wikipedia.org/wiki/United_Arab_Emirates) |
| **AFN** | 971 | [Afghan afghani](https://en.wikipedia.org/wiki/Afghan_afghani) | [Afghanistan](https://en.wikipedia.org/wiki/Afghanistan) |
| **ALL** | 008 | [Albanian lek](https://en.wikipedia.org/wiki/Albanian_lek) | [Albania](https://en.wikipedia.org/wiki/Albania) |
| **AMD** | 051 | [Armenian dram](https://en.wikipedia.org/wiki/Armenian_dram) | [Armenia](https://en.wikipedia.org/wiki/Armenia) |
| **ANG** | 532 | [Netherlands Antillean guilder](https://en.wikipedia.org/wiki/Netherlands_Antillean_guilder) | [Curaçao](https://en.wikipedia.org/wiki/Cura%C3%A7ao) (CW),  [Sint Maarten](https://en.wikipedia.org/wiki/Sint_Maarten) (SX) |
| **AOA** | 973 | [Angolan kwanza](https://en.wikipedia.org/wiki/Angolan_kwanza) | [Angola](https://en.wikipedia.org/wiki/Angola) |
| **ARS** | 032 | [Argentine peso](https://en.wikipedia.org/wiki/Argentine_peso) | [Argentina](https://en.wikipedia.org/wiki/Argentina) |
| **AUD** | 036 | [Australian dollar](https://en.wikipedia.org/wiki/Australian_dollar) | [Australia](https://en.wikipedia.org/wiki/Australia),  [Christmas Island](https://en.wikipedia.org/wiki/Christmas_Island) (CX),  [Cocos (Keeling) Islands](https://en.wikipedia.org/wiki/Cocos_(Keeling)_Islands) (CC),  [Heard Island and McDonald Islands](https://en.wikipedia.org/wiki/Heard_Island_and_McDonald_Islands) (HM),  [Kiribati](https://en.wikipedia.org/wiki/Kiribati) (KI),  [Nauru](https://en.wikipedia.org/wiki/Nauru) (NR),  [Norfolk Island](https://en.wikipedia.org/wiki/Norfolk_Island) (NF),  [Tuvalu](https://en.wikipedia.org/wiki/Tuvalu) (TV) |
| **AWG** | 533 | [Aruban florin](https://en.wikipedia.org/wiki/Aruban_florin) | [Aruba](https://en.wikipedia.org/wiki/Aruba) |
| **AZN** | 944 | [Azerbaijani manat](https://en.wikipedia.org/wiki/Azerbaijani_manat) | [Azerbaijan](https://en.wikipedia.org/wiki/Azerbaijan) |
| **BAM** | 977 | [Bosnia and Herzegovina convertible mark](https://en.wikipedia.org/wiki/Bosnia_and_Herzegovina_convertible_mark) | [Bosnia and Herzegovina](https://en.wikipedia.org/wiki/Bosnia_and_Herzegovina) |
| **BBD** | 052 | [Barbados dollar](https://en.wikipedia.org/wiki/Barbados_dollar) | [Barbados](https://en.wikipedia.org/wiki/Barbados) |
| **BDT** | 050 | [Bangladeshi taka](https://en.wikipedia.org/wiki/Bangladeshi_taka) | [Bangladesh](https://en.wikipedia.org/wiki/Bangladesh) |
| **BGN** | 975 | [Bulgarian lev](https://en.wikipedia.org/wiki/Bulgarian_lev) | [Bulgaria](https://en.wikipedia.org/wiki/Bulgaria) |
| **BHD** | 048 | [Bahraini dinar](https://en.wikipedia.org/wiki/Bahraini_dinar) | [Bahrain](https://en.wikipedia.org/wiki/Bahrain) |
| **BIF** | 108 | [Burundian franc](https://en.wikipedia.org/wiki/Burundian_franc) | [Burundi](https://en.wikipedia.org/wiki/Burundi) |
| **BMD** | 060 | [Bermudian dollar](https://en.wikipedia.org/wiki/Bermudian_dollar) | [Bermuda](https://en.wikipedia.org/wiki/Bermuda) |
| **BND** | 096 | [Brunei dollar](https://en.wikipedia.org/wiki/Brunei_dollar) | [Brunei](https://en.wikipedia.org/wiki/Brunei) |
| **BOB** | 068 | [Boliviano](https://en.wikipedia.org/wiki/Boliviano) | [Bolivia](https://en.wikipedia.org/wiki/Bolivia) |
| **BOV** | 984 | Bolivian Mvdol (funds code) | [Bolivia](https://en.wikipedia.org/wiki/Bolivia) |
| **BRL** | 986 | [Brazilian real](https://en.wikipedia.org/wiki/Brazilian_real) | [Brazil](https://en.wikipedia.org/wiki/Brazil) |
| **BSD** | 044 | [Bahamian dollar](https://en.wikipedia.org/wiki/Bahamian_dollar) | [Bahamas](https://en.wikipedia.org/wiki/The_Bahamas) |
| **BTN** | 064 | [Bhutanese ngultrum](https://en.wikipedia.org/wiki/Bhutanese_ngultrum) | [Bhutan](https://en.wikipedia.org/wiki/Bhutan) |
| **BWP** | 072 | [Botswana pula](https://en.wikipedia.org/wiki/Botswana_pula) | [Botswana](https://en.wikipedia.org/wiki/Botswana) |
| **BYN** | 933 | [Belarusian ruble](https://en.wikipedia.org/wiki/Belarusian_rubel) | [Belarus](https://en.wikipedia.org/wiki/Belarus) |
| **BZD** | 084 | [Belize dollar](https://en.wikipedia.org/wiki/Belize_dollar) | [Belize](https://en.wikipedia.org/wiki/Belize) |
| **CAD** | 124 | [Canadian dollar](https://en.wikipedia.org/wiki/Canadian_dollar) | [Canada](https://en.wikipedia.org/wiki/Canada) |
| **CDF** | 976 | [Congolese franc](https://en.wikipedia.org/wiki/Congolese_franc) | [Democratic Republic of the Congo](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) |
| **CHE** | 947 | [WIR](https://en.wikipedia.org/wiki/WIR_Bank) euro ([complementary currency](https://en.wikipedia.org/wiki/Complementary_currency)) | [Switzerland](https://en.wikipedia.org/wiki/Switzerland) |
| **CHF** | 756 | [Swiss franc](https://en.wikipedia.org/wiki/Swiss_franc) | [Switzerland](https://en.wikipedia.org/wiki/Switzerland),  [Liechtenstein](https://en.wikipedia.org/wiki/Liechtenstein) (LI) |
| **CHW** | 948 | [WIR](https://en.wikipedia.org/wiki/WIR_Bank) franc ([complementary currency](https://en.wikipedia.org/wiki/Complementary_currency)) | [Switzerland](https://en.wikipedia.org/wiki/Switzerland) |
| **CLF** | 990 | [Unidad de Fomento](https://en.wikipedia.org/wiki/Unidad_de_Fomento) (funds code) | [Chile](https://en.wikipedia.org/wiki/Chile) |
| **CLP** | 152 | [Chilean peso](https://en.wikipedia.org/wiki/Chilean_peso) | [Chile](https://en.wikipedia.org/wiki/Chile) |
| **CNY** | 156 | [Renminbi](https://en.wikipedia.org/wiki/Renminbi)[[6]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-8) | [China](https://en.wikipedia.org/wiki/China) |
| **COP** | 170 | [Colombian peso](https://en.wikipedia.org/wiki/Colombian_peso) | [Colombia](https://en.wikipedia.org/wiki/Colombia) |
| **COU** | 970 | Unidad de Valor Real (UVR) (funds code)[[7]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-uvr_brc-9) | [Colombia](https://en.wikipedia.org/wiki/Colombia) |
| **CRC** | 188 | [Costa Rican colon](https://en.wikipedia.org/wiki/Costa_Rican_colon) | [Costa Rica](https://en.wikipedia.org/wiki/Costa_Rica) |
| **CUP** | 192 | [Cuban peso](https://en.wikipedia.org/wiki/Cuban_peso) | [Cuba](https://en.wikipedia.org/wiki/Cuba) |
| **CVE** | 132 | [Cape Verdean escudo](https://en.wikipedia.org/wiki/Cape_Verdean_escudo) | [Cabo Verde](https://en.wikipedia.org/wiki/Cape_Verde) |
| **CZK** | 203 | [Czech koruna](https://en.wikipedia.org/wiki/Czech_koruna) | [Czechia](https://en.wikipedia.org/wiki/Czech_Republic)[[8]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-10) |
| **DJF** | 262 | [Djiboutian franc](https://en.wikipedia.org/wiki/Djiboutian_franc) | [Djibouti](https://en.wikipedia.org/wiki/Djibouti) |
| **DKK** | 208 | [Danish krone](https://en.wikipedia.org/wiki/Danish_krone) | [Denmark](https://en.wikipedia.org/wiki/Denmark),  [Faroe Islands](https://en.wikipedia.org/wiki/Faroe_Islands) (FO),  [Greenland](https://en.wikipedia.org/wiki/Greenland) (GL) |
| **DOP** | 214 | [Dominican peso](https://en.wikipedia.org/wiki/Dominican_peso) | [Dominican Republic](https://en.wikipedia.org/wiki/Dominican_Republic) |
| **DZD** | 012 | [Algerian dinar](https://en.wikipedia.org/wiki/Algerian_dinar) | [Algeria](https://en.wikipedia.org/wiki/Algeria) |
| **EGP** | 818 | [Egyptian pound](https://en.wikipedia.org/wiki/Egyptian_pound) | [Egypt](https://en.wikipedia.org/wiki/Egypt) |
| **ERN** | 232 | [Eritrean nakfa](https://en.wikipedia.org/wiki/Eritrean_nakfa) | [Eritrea](https://en.wikipedia.org/wiki/Eritrea) |
| **ETB** | 230 | [Ethiopian birr](https://en.wikipedia.org/wiki/Ethiopian_birr) | [Ethiopia](https://en.wikipedia.org/wiki/Ethiopia) |
| **EUR** | 978 | [Euro](https://en.wikipedia.org/wiki/Euro) | [Åland Islands](https://en.wikipedia.org/wiki/%C3%85land) (AX),  [European Union](https://en.wikipedia.org/wiki/European_Union) (EU),  [Andorra](https://en.wikipedia.org/wiki/Andorra) (AD)[[c]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-NonEU-11),  [Austria](https://en.wikipedia.org/wiki/Austria) (AT),  [Belgium](https://en.wikipedia.org/wiki/Belgium) (BE),  [Croatia](https://en.wikipedia.org/wiki/Croatia) (HR),  [Cyprus](https://en.wikipedia.org/wiki/Cyprus) (CY),  [Estonia](https://en.wikipedia.org/wiki/Estonia) (EE),  [Finland](https://en.wikipedia.org/wiki/Finland) (FI),  [France](https://en.wikipedia.org/wiki/France) (FR),  [French Guiana](https://en.wikipedia.org/wiki/French_Guiana) (GF),  [French Southern and Antarctic Lands](https://en.wikipedia.org/wiki/French_Southern_and_Antarctic_Lands) (TF),  [Germany](https://en.wikipedia.org/wiki/Germany) (DE),  [Greece](https://en.wikipedia.org/wiki/Greece) (GR),  [Guadeloupe](https://en.wikipedia.org/wiki/Guadeloupe) (GP),  [Ireland](https://en.wikipedia.org/wiki/Republic_of_Ireland) (IE),  [Italy](https://en.wikipedia.org/wiki/Italy) (IT),  [Kosovo](https://en.wikipedia.org/wiki/Kosovo) (XK)[[d]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-Eurozone-12),  [Latvia](https://en.wikipedia.org/wiki/Latvia) (LV),  [Lithuania](https://en.wikipedia.org/wiki/Lithuania) (LT),  [Luxembourg](https://en.wikipedia.org/wiki/Luxembourg) (LU),  [Malta](https://en.wikipedia.org/wiki/Malta) (MT),  [Martinique](https://en.wikipedia.org/wiki/Martinique) (MQ),  [Mayotte](https://en.wikipedia.org/wiki/Mayotte) (YT),  [Monaco](https://en.wikipedia.org/wiki/Monaco) (MC)[[c]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-NonEU-11),  [Montenegro](https://en.wikipedia.org/wiki/Montenegro) (ME)[[d]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-Eurozone-12),  [Netherlands](https://en.wikipedia.org/wiki/Netherlands) (NL),  [Portugal](https://en.wikipedia.org/wiki/Portugal) (PT),  [Réunion](https://en.wikipedia.org/wiki/R%C3%A9union) (RE),  [Saint Barthélemy](https://en.wikipedia.org/wiki/Saint_Barth%C3%A9lemy) (BL),  [Saint Martin](https://en.wikipedia.org/wiki/Collectivity_of_Saint_Martin) (MF),  [Saint Pierre and Miquelon](https://en.wikipedia.org/wiki/Saint_Pierre_and_Miquelon) (PM),  [San Marino](https://en.wikipedia.org/wiki/San_Marino) (SM)[[c]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-NonEU-11),  [Slovakia](https://en.wikipedia.org/wiki/Slovakia) (SK),  [Slovenia](https://en.wikipedia.org/wiki/Slovenia) (SI),  [Spain](https://en.wikipedia.org/wiki/Spain) (ES),   [Vatican City](https://en.wikipedia.org/wiki/Vatican_City) (VA)[[c]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-NonEU-11) |
| **FJD** | 242 | [Fiji dollar](https://en.wikipedia.org/wiki/Fijian_dollar) | [Fiji](https://en.wikipedia.org/wiki/Fiji) |
| **FKP** | 238 | [Falkland Islands pound](https://en.wikipedia.org/wiki/Falkland_Islands_pound) | [Falkland Islands](https://en.wikipedia.org/wiki/Falkland_Islands) (pegged to GBP 1:1) |
| **GBP** | 826 | [Pound sterling](https://en.wikipedia.org/wiki/Pound_sterling) | [United Kingdom](https://en.wikipedia.org/wiki/United_Kingdom),  [Isle of Man](https://en.wikipedia.org/wiki/Isle_of_Man) (IM, see [Manx pound](https://en.wikipedia.org/wiki/Manx_pound)),  [Jersey](https://en.wikipedia.org/wiki/Jersey) (JE, see [Jersey pound](https://en.wikipedia.org/wiki/Jersey_pound)),  [Guernsey](https://en.wikipedia.org/wiki/Guernsey) (GG, see [Guernsey pound](https://en.wikipedia.org/wiki/Guernsey_pound)),  [Tristan da Cunha](https://en.wikipedia.org/wiki/Tristan_da_Cunha) (SH-TA) |
| **GEL** | 981 | [Georgian lari](https://en.wikipedia.org/wiki/Georgian_lari) | [Georgia](https://en.wikipedia.org/wiki/Georgia_(country)) |
| **GHS** | 936 | [Ghanaian cedi](https://en.wikipedia.org/wiki/Ghanaian_cedi) | [Ghana](https://en.wikipedia.org/wiki/Ghana) |
| **GIP** | 292 | [Gibraltar pound](https://en.wikipedia.org/wiki/Gibraltar_pound) | [Gibraltar](https://en.wikipedia.org/wiki/Gibraltar) (pegged to GBP 1:1) |
| **GMD** | 270 | [Gambian dalasi](https://en.wikipedia.org/wiki/Gambian_dalasi) | [Gambia](https://en.wikipedia.org/wiki/The_Gambia) |
| **GNF** | 324 | [Guinean franc](https://en.wikipedia.org/wiki/Guinean_franc) | [Guinea](https://en.wikipedia.org/wiki/Guinea) |
| **GTQ** | 320 | [Guatemalan quetzal](https://en.wikipedia.org/wiki/Guatemalan_quetzal) | [Guatemala](https://en.wikipedia.org/wiki/Guatemala) |
| **GYD** | 328 | [Guyanese dollar](https://en.wikipedia.org/wiki/Guyanese_dollar) | [Guyana](https://en.wikipedia.org/wiki/Guyana) |
| **HKD** | 344 | [Hong Kong dollar](https://en.wikipedia.org/wiki/Hong_Kong_dollar) | [Hong Kong](https://en.wikipedia.org/wiki/Hong_Kong) |
| **HNL** | 340 | [Honduran lempira](https://en.wikipedia.org/wiki/Honduran_lempira) | [Honduras](https://en.wikipedia.org/wiki/Honduras) |
| **HTG** | 332 | [Haitian gourde](https://en.wikipedia.org/wiki/Haitian_gourde) | [Haiti](https://en.wikipedia.org/wiki/Haiti) |
| **HUF** | 348 | [Hungarian forint](https://en.wikipedia.org/wiki/Hungarian_forint) | [Hungary](https://en.wikipedia.org/wiki/Hungary) |
| **IDR** | 360 | [Indonesian rupiah](https://en.wikipedia.org/wiki/Indonesian_rupiah) | [Indonesia](https://en.wikipedia.org/wiki/Indonesia) |
| **ILS** | 376 | [Israeli new shekel](https://en.wikipedia.org/wiki/Israeli_new_shekel) | [Israel](https://en.wikipedia.org/wiki/Israel) |
| **INR** | 356 | [Indian rupee](https://en.wikipedia.org/wiki/Indian_rupee) | [India](https://en.wikipedia.org/wiki/India),  [Bhutan](https://en.wikipedia.org/wiki/Bhutan) |
| **IQD** | 368 | [Iraqi dinar](https://en.wikipedia.org/wiki/Iraqi_dinar) | [Iraq](https://en.wikipedia.org/wiki/Iraq) |
| **IRR** | 364 | [Iranian rial](https://en.wikipedia.org/wiki/Iranian_rial) | [Iran](https://en.wikipedia.org/wiki/Iran) |
| **ISK** | 352 | [Icelandic króna](https://en.wikipedia.org/wiki/Icelandic_kr%C3%B3na) (plural: krónur) | [Iceland](https://en.wikipedia.org/wiki/Iceland) |
| **JMD** | 388 | [Jamaican dollar](https://en.wikipedia.org/wiki/Jamaican_dollar) | [Jamaica](https://en.wikipedia.org/wiki/Jamaica) |
| **JOD** | 400 | [Jordanian dinar](https://en.wikipedia.org/wiki/Jordanian_dinar) | [Jordan](https://en.wikipedia.org/wiki/Jordan) |
| **JPY** | 392 | [Japanese yen](https://en.wikipedia.org/wiki/Japanese_yen) | [Japan](https://en.wikipedia.org/wiki/Japan) |
| **KES** | 404 | [Kenyan shilling](https://en.wikipedia.org/wiki/Kenyan_shilling) | [Kenya](https://en.wikipedia.org/wiki/Kenya) |
| **KGS** | 417 | [Kyrgyzstani som](https://en.wikipedia.org/wiki/Kyrgyzstani_som) | [Kyrgyzstan](https://en.wikipedia.org/wiki/Kyrgyzstan) |
| **KHR** | 116 | [Cambodian riel](https://en.wikipedia.org/wiki/Cambodian_riel) | [Cambodia](https://en.wikipedia.org/wiki/Cambodia) |
| **KMF** | 174 | [Comoro franc](https://en.wikipedia.org/wiki/Comoro_franc) | [Comoros](https://en.wikipedia.org/wiki/Comoros) |
| **KPW** | 408 | [North Korean won](https://en.wikipedia.org/wiki/North_Korean_won) | [North Korea](https://en.wikipedia.org/wiki/North_Korea) |
| **KRW** | 410 | [South Korean won](https://en.wikipedia.org/wiki/South_Korean_won) | [South Korea](https://en.wikipedia.org/wiki/South_Korea) |
| **KWD** | 414 | [Kuwaiti dinar](https://en.wikipedia.org/wiki/Kuwaiti_dinar) | [Kuwait](https://en.wikipedia.org/wiki/Kuwait) |
| **KYD** | 136 | [Cayman Islands dollar](https://en.wikipedia.org/wiki/Cayman_Islands_dollar) | [Cayman Islands](https://en.wikipedia.org/wiki/Cayman_Islands) |
| **KZT** | 398 | [Kazakhstani tenge](https://en.wikipedia.org/wiki/Kazakhstani_tenge) | [Kazakhstan](https://en.wikipedia.org/wiki/Kazakhstan) |
| **LAK** | 418 | [Lao kip](https://en.wikipedia.org/wiki/Lao_kip) | [Laos](https://en.wikipedia.org/wiki/Laos) |
| **LBP** | 422 | [Lebanese pound](https://en.wikipedia.org/wiki/Lebanese_pound) | [Lebanon](https://en.wikipedia.org/wiki/Lebanon) |
| **LKR** | 144 | [Sri Lankan rupee](https://en.wikipedia.org/wiki/Sri_Lankan_rupee) | [Sri Lanka](https://en.wikipedia.org/wiki/Sri_Lanka) |
| **LRD** | 430 | [Liberian dollar](https://en.wikipedia.org/wiki/Liberian_dollar) | [Liberia](https://en.wikipedia.org/wiki/Liberia) |
| **LSL** | 426 | [Lesotho loti](https://en.wikipedia.org/wiki/Lesotho_loti) | [Lesotho](https://en.wikipedia.org/wiki/Lesotho) |
| **LYD** | 434 | [Libyan dinar](https://en.wikipedia.org/wiki/Libyan_dinar) | [Libya](https://en.wikipedia.org/wiki/Libya) |
| **MAD** | 504 | [Moroccan dirham](https://en.wikipedia.org/wiki/Moroccan_dirham) | [Morocco](https://en.wikipedia.org/wiki/Morocco),  [Western Sahara](https://en.wikipedia.org/wiki/Western_Sahara) |
| **MDL** | 498 | [Moldovan leu](https://en.wikipedia.org/wiki/Moldovan_leu) | [Moldova](https://en.wikipedia.org/wiki/Moldova) |
| **MGA** | 969 | [Malagasy ariary](https://en.wikipedia.org/wiki/Malagasy_ariary) | [Madagascar](https://en.wikipedia.org/wiki/Madagascar) |
| **MKD** | 807 | [Macedonian denar](https://en.wikipedia.org/wiki/Macedonian_denar) | [North Macedonia](https://en.wikipedia.org/wiki/North_Macedonia) |
| **MMK** | 104 | [Myanmar kyat](https://en.wikipedia.org/wiki/Myanmar_kyat) | [Myanmar](https://en.wikipedia.org/wiki/Myanmar) |
| **MNT** | 496 | [Mongolian tögrög](https://en.wikipedia.org/wiki/Mongolian_t%C3%B6gr%C3%B6g) | [Mongolia](https://en.wikipedia.org/wiki/Mongolia) |
| **MOP** | 446 | [Macanese pataca](https://en.wikipedia.org/wiki/Macanese_pataca) | [Macau](https://en.wikipedia.org/wiki/Macau) |
| **MRU** | 929 | [Mauritanian ouguiya](https://en.wikipedia.org/wiki/Mauritanian_ouguiya) | [Mauritania](https://en.wikipedia.org/wiki/Mauritania) |
| **MUR** | 480 | [Mauritian rupee](https://en.wikipedia.org/wiki/Mauritian_rupee) | [Mauritius](https://en.wikipedia.org/wiki/Mauritius) |
| **MVR** | 462 | [Maldivian rufiyaa](https://en.wikipedia.org/wiki/Maldivian_rufiyaa) | [Maldives](https://en.wikipedia.org/wiki/Maldives) |
| **MWK** | 454 | [Malawian kwacha](https://en.wikipedia.org/wiki/Malawian_kwacha) | [Malawi](https://en.wikipedia.org/wiki/Malawi) |
| **MXN** | 484 | [Mexican peso](https://en.wikipedia.org/wiki/Mexican_peso) | [Mexico](https://en.wikipedia.org/wiki/Mexico) |
| **MXV** | 979 | [Mexican Unidad de Inversion](https://en.wikipedia.org/wiki/Mexican_Unidad_de_Inversion) (UDI) (funds code) | [Mexico](https://en.wikipedia.org/wiki/Mexico) |
| **MYR** | 458 | [Malaysian ringgit](https://en.wikipedia.org/wiki/Malaysian_ringgit) | [Malaysia](https://en.wikipedia.org/wiki/Malaysia) |
| **MZN** | 943 | [Mozambican metical](https://en.wikipedia.org/wiki/Mozambican_metical) | [Mozambique](https://en.wikipedia.org/wiki/Mozambique) |
| **NAD** | 516 | [Namibian dollar](https://en.wikipedia.org/wiki/Namibian_dollar) | [Namibia](https://en.wikipedia.org/wiki/Namibia) (pegged to ZAR 1:1) |
| **NGN** | 566 | [Nigerian naira](https://en.wikipedia.org/wiki/Nigerian_naira) | [Nigeria](https://en.wikipedia.org/wiki/Nigeria) |
| **NIO** | 558 | [Nicaraguan córdoba](https://en.wikipedia.org/wiki/Nicaraguan_c%C3%B3rdoba) | [Nicaragua](https://en.wikipedia.org/wiki/Nicaragua) |
| **NOK** | 578 | [Norwegian krone](https://en.wikipedia.org/wiki/Norwegian_krone) | [Norway](https://en.wikipedia.org/wiki/Norway),  [Svalbard](https://en.wikipedia.org/wiki/Svalbard) and  [Jan Mayen](https://en.wikipedia.org/wiki/Jan_Mayen) (SJ),  [Bouvet Island](https://en.wikipedia.org/wiki/Bouvet_Island) (BV) |
| **NPR** | 524 | [Nepalese rupee](https://en.wikipedia.org/wiki/Nepalese_rupee) | [Nepal](https://en.wikipedia.org/wiki/Nepal) |
| **NZD** | 554 | [New Zealand dollar](https://en.wikipedia.org/wiki/New_Zealand_dollar) | [New Zealand](https://en.wikipedia.org/wiki/New_Zealand),  [Cook Islands](https://en.wikipedia.org/wiki/Cook_Islands) (CK),  [Niue](https://en.wikipedia.org/wiki/Niue) (NU),  [Pitcairn Islands](https://en.wikipedia.org/wiki/Pitcairn_Islands) (PN; see also [Pitcairn Islands dollar](https://en.wikipedia.org/wiki/Pitcairn_Islands_dollar)),  [Tokelau](https://en.wikipedia.org/wiki/Tokelau) (TK) |
| **OMR** | 512 | [Omani rial](https://en.wikipedia.org/wiki/Omani_rial) | [Oman](https://en.wikipedia.org/wiki/Oman) |
| **PAB** | 590 | [Panamanian balboa](https://en.wikipedia.org/wiki/Panamanian_balboa) | [Panama](https://en.wikipedia.org/wiki/Panama) |
| **PEN** | 604 | [Peruvian sol](https://en.wikipedia.org/wiki/Peruvian_sol) | [Peru](https://en.wikipedia.org/wiki/Peru) |
| **PGK** | 598 | [Papua New Guinean kina](https://en.wikipedia.org/wiki/Papua_New_Guinean_kina) | [Papua New Guinea](https://en.wikipedia.org/wiki/Papua_New_Guinea) |
| **PHP** | 608 | [Philippine peso](https://en.wikipedia.org/wiki/Philippine_peso)[[11]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A168-17) | [Philippines](https://en.wikipedia.org/wiki/Philippines) |
| **PKR** | 586 | [Pakistani rupee](https://en.wikipedia.org/wiki/Pakistani_rupee) | [Pakistan](https://en.wikipedia.org/wiki/Pakistan) |
| **PLN** | 985 | [Polish złoty](https://en.wikipedia.org/wiki/Polish_z%C5%82oty) | [Poland](https://en.wikipedia.org/wiki/Poland) |
| **PYG** | 600 | [Paraguayan guaraní](https://en.wikipedia.org/wiki/Paraguayan_guaran%C3%AD) | [Paraguay](https://en.wikipedia.org/wiki/Paraguay) |
| **QAR** | 634 | [Qatari riyal](https://en.wikipedia.org/wiki/Qatari_riyal) | [Qatar](https://en.wikipedia.org/wiki/Qatar) |
| **RON** | 946 | [Romanian leu](https://en.wikipedia.org/wiki/Romanian_leu) | [Romania](https://en.wikipedia.org/wiki/Romania) |
| **RSD** | 941 | [Serbian dinar](https://en.wikipedia.org/wiki/Serbian_dinar) | [Serbia](https://en.wikipedia.org/wiki/Serbia) |
| **RUB** | 643 | [Russian ruble](https://en.wikipedia.org/wiki/Russian_ruble) | [Russia](https://en.wikipedia.org/wiki/Russia) |
| **RWF** | 646 | [Rwandan franc](https://en.wikipedia.org/wiki/Rwandan_franc) | [Rwanda](https://en.wikipedia.org/wiki/Rwanda) |
| **SAR** | 682 | [Saudi riyal](https://en.wikipedia.org/wiki/Saudi_riyal) | [Saudi Arabia](https://en.wikipedia.org/wiki/Saudi_Arabia) |
| **SBD** | 090 | [Solomon Islands dollar](https://en.wikipedia.org/wiki/Solomon_Islands_dollar) | [Solomon Islands](https://en.wikipedia.org/wiki/Solomon_Islands) |
| **SCR** | 690 | [Seychelles rupee](https://en.wikipedia.org/wiki/Seychelles_rupee) | [Seychelles](https://en.wikipedia.org/wiki/Seychelles) |
| **SDG** | 938 | [Sudanese pound](https://en.wikipedia.org/wiki/Sudanese_pound) | [Sudan](https://en.wikipedia.org/wiki/Sudan) |
| **SEK** | 752 | [Swedish krona](https://en.wikipedia.org/wiki/Swedish_krona) (plural:krono) | [Sweden](https://en.wikipedia.org/wiki/Sweden) |
| **SGD** | 702 | [Singapore dollar](https://en.wikipedia.org/wiki/Singapore_dollar) | [Singapore](https://en.wikipedia.org/wiki/Singapore) |
| **SHP** | 654 | [Saint Helena pound](https://en.wikipedia.org/wiki/Saint_Helena_pound) | [Saint Helena](https://en.wikipedia.org/wiki/Saint_Helena) (SH-SH),  [Ascension Island](https://en.wikipedia.org/wiki/Ascension_Island) (SH-AC) |
| **SLE** | 925 | [Sierra Leonean leone](https://en.wikipedia.org/wiki/Sierra_Leonean_leone) (new leone)[[12]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A171-18)[[13]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A172-19)[[14]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A173-20) | [Sierra Leone](https://en.wikipedia.org/wiki/Sierra_Leone) |
| **SLL** | 694 | [Sierra Leonean leone](https://en.wikipedia.org/wiki/Sierra_Leonean_leone) (old leone)[[12]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A171-18)[[13]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A172-19)[[14]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A173-20)[[15]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-21) | [Sierra Leone](https://en.wikipedia.org/wiki/Sierra_Leone) |
| **SOS** | 706 | [Somali shilling](https://en.wikipedia.org/wiki/Somali_shilling) | [Somalia](https://en.wikipedia.org/wiki/Somalia) |
| **SRD** | 968 | [Surinamese dollar](https://en.wikipedia.org/wiki/Surinamese_dollar) | [Suriname](https://en.wikipedia.org/wiki/Suriname) |
| **SSP** | 728 | [South Sudanese pound](https://en.wikipedia.org/wiki/South_Sudanese_pound) | [South Sudan](https://en.wikipedia.org/wiki/South_Sudan) |
| **STN** | 930 | [São Tomé and Príncipe dobra](https://en.wikipedia.org/wiki/S%C3%A3o_Tom%C3%A9_and_Pr%C3%ADncipe_dobra) | [São Tomé and Príncipe](https://en.wikipedia.org/wiki/S%C3%A3o_Tom%C3%A9_and_Pr%C3%ADncipe) |
| **SVC** | 222 | [Salvadoran colón](https://en.wikipedia.org/wiki/Salvadoran_col%C3%B3n) | [El Salvador](https://en.wikipedia.org/wiki/El_Salvador) |
| **SYP** | 760 | [Syrian pound](https://en.wikipedia.org/wiki/Syrian_pound) | [Syria](https://en.wikipedia.org/wiki/Syria) |
| **SZL** | 748 | [Swazi lilangeni](https://en.wikipedia.org/wiki/Swazi_lilangeni) | [Eswatini](https://en.wikipedia.org/wiki/Eswatini)[[11]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A168-17) |
| **THB** | 764 | [Thai baht](https://en.wikipedia.org/wiki/Thai_baht) | [Thailand](https://en.wikipedia.org/wiki/Thailand) |
| **TJS** | 972 | [Tajikistani somoni](https://en.wikipedia.org/wiki/Tajikistani_somoni) | [Tajikistan](https://en.wikipedia.org/wiki/Tajikistan) |
| **TMT** | 934 | [Turkmenistan manat](https://en.wikipedia.org/wiki/Turkmenistani_manat) | [Turkmenistan](https://en.wikipedia.org/wiki/Turkmenistan) |
| **TND** | 788 | [Tunisian dinar](https://en.wikipedia.org/wiki/Tunisian_dinar) | [Tunisia](https://en.wikipedia.org/wiki/Tunisia) |
| **TOP** | 776 | [Tongan paʻanga](https://en.wikipedia.org/wiki/Tongan_pa%CA%BBanga) | [Tonga](https://en.wikipedia.org/wiki/Tonga) |
| **TRY** | 949 | [Turkish lira](https://en.wikipedia.org/wiki/Turkish_lira) | [Turkey](https://en.wikipedia.org/wiki/Turkey) |
| **TTD** | 780 | [Trinidad and Tobago dollar](https://en.wikipedia.org/wiki/Trinidad_and_Tobago_dollar) | [Trinidad and Tobago](https://en.wikipedia.org/wiki/Trinidad_and_Tobago) |
| **TWD** | 901 | [New Taiwan dollar](https://en.wikipedia.org/wiki/New_Taiwan_dollar) | [Taiwan](https://en.wikipedia.org/wiki/Taiwan) |
| **TZS** | 834 | [Tanzanian shilling](https://en.wikipedia.org/wiki/Tanzanian_shilling) | [Tanzania](https://en.wikipedia.org/wiki/Tanzania) |
| **UAH** | 980 | [Ukrainian hryvnia](https://en.wikipedia.org/wiki/Ukrainian_hryvnia) | [Ukraine](https://en.wikipedia.org/wiki/Ukraine) |
| **UGX** | 800 | [Ugandan shilling](https://en.wikipedia.org/wiki/Ugandan_shilling) | [Uganda](https://en.wikipedia.org/wiki/Uganda) |
| **USD** | 840 | [United States dollar](https://en.wikipedia.org/wiki/United_States_dollar) | [United States](https://en.wikipedia.org/wiki/United_States),  [American Samoa](https://en.wikipedia.org/wiki/American_Samoa) (AS),  [British Indian Ocean Territory](https://en.wikipedia.org/wiki/British_Indian_Ocean_Territory) (IO) (also uses GBP),  [British Virgin Islands](https://en.wikipedia.org/wiki/British_Virgin_Islands) (VG),  [Caribbean Netherlands](https://en.wikipedia.org/wiki/Caribbean_Netherlands) (BQ – Bonaire, Sint Eustatius and Saba),  [Ecuador](https://en.wikipedia.org/wiki/Ecuador) (EC),  [El Salvador](https://en.wikipedia.org/wiki/El_Salvador) (SV),  [Guam](https://en.wikipedia.org/wiki/Guam) (GU),  [Marshall Islands](https://en.wikipedia.org/wiki/Marshall_Islands) (MH),  [Federated States of Micronesia](https://en.wikipedia.org/wiki/Federated_States_of_Micronesia) (FM),  [Northern Mariana Islands](https://en.wikipedia.org/wiki/Northern_Mariana_Islands) (MP),  [Palau](https://en.wikipedia.org/wiki/Palau) (PW),  [Panama](https://en.wikipedia.org/wiki/Panama) (PA) (as well as [Panamanian Balboa](https://en.wikipedia.org/wiki/Panamanian_balboa)),  [Puerto Rico](https://en.wikipedia.org/wiki/Puerto_Rico) (PR),  [Timor-Leste](https://en.wikipedia.org/wiki/East_Timor) (TL),  [Turks and Caicos Islands](https://en.wikipedia.org/wiki/Turks_and_Caicos_Islands) (TC),  [U.S. Virgin Islands](https://en.wikipedia.org/wiki/United_States_Virgin_Islands) (VI),  [United States Minor Outlying Islands](https://en.wikipedia.org/wiki/United_States_Minor_Outlying_Islands) (UM) |
| **USN** | 997 | United States dollar (next day) (funds code) | [United States](https://en.wikipedia.org/wiki/United_States) |
| **UYI** | 940 | Uruguay Peso en Unidades Indexadas (URUIURUI) (funds code) | [Uruguay](https://en.wikipedia.org/wiki/Uruguay) |
| **UYU** | 858 | [Uruguayan peso](https://en.wikipedia.org/wiki/Uruguayan_peso) | [Uruguay](https://en.wikipedia.org/wiki/Uruguay) |
| **UYW** | 927 | Unidad previsional[[17]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A169-23) | [Uruguay](https://en.wikipedia.org/wiki/Uruguay) |
| **UZS** | 860 | [Uzbekistan sum](https://en.wikipedia.org/wiki/Uzbekistani_soum) | [Uzbekistan](https://en.wikipedia.org/wiki/Uzbekistan) |
| **VED** | 926 | [Venezuelan digital bolívar](https://en.wikipedia.org/wiki/Venezuelan_bol%C3%ADvar#Digital_bol%C3%ADvar)[[18]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A170-24) | [Venezuela](https://en.wikipedia.org/wiki/Venezuela) |
| **VES** | 928 | [Venezuelan sovereign bolívar](https://en.wikipedia.org/wiki/Venezuelan_bol%C3%ADvar#Sovereign_bol%C3%ADvar)[[11]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-A168-17) | [Venezuela](https://en.wikipedia.org/wiki/Venezuela) |
| **VND** | 704 | [Vietnamese đồng](https://en.wikipedia.org/wiki/Vietnamese_%C4%91%E1%BB%93ng) | [Vietnam](https://en.wikipedia.org/wiki/Vietnam) |
| **VUV** | 548 | [Vanuatu vatu](https://en.wikipedia.org/wiki/Vanuatu_vatu) | [Vanuatu](https://en.wikipedia.org/wiki/Vanuatu) |
| **WST** | 882 | [Samoan tala](https://en.wikipedia.org/wiki/Samoan_tala) | [Samoa](https://en.wikipedia.org/wiki/Samoa) |
| **XAF** | 950 | [CFA franc BEAC](https://en.wikipedia.org/wiki/Central_African_CFA_franc) | [Cameroon](https://en.wikipedia.org/wiki/Cameroon) (CM),  [Central African Republic](https://en.wikipedia.org/wiki/Central_African_Republic) (CF),  [Republic of the Congo](https://en.wikipedia.org/wiki/Republic_of_the_Congo) (CG),  [Chad](https://en.wikipedia.org/wiki/Chad) (TD),  [Equatorial Guinea](https://en.wikipedia.org/wiki/Equatorial_Guinea) (GQ),  [Gabon](https://en.wikipedia.org/wiki/Gabon) (GA) |
| **XAG** | 961 | [Silver](https://en.wikipedia.org/wiki/Silver_as_an_investment) (one [troy ounce](https://en.wikipedia.org/wiki/Troy_ounce)) |  |
| **XAU** | 959 | [Gold](https://en.wikipedia.org/wiki/Gold_as_an_investment) (one [troy ounce](https://en.wikipedia.org/wiki/Troy_ounce)) |  |
| **XBA** | 955 | [European Composite Unit](https://en.wikipedia.org/wiki/European_Composite_Unit) (EURCO) (bond market unit) |  |
| **XBB** | 956 | [European Monetary Unit](https://en.wikipedia.org/wiki/European_Monetary_Unit) (E.M.U.-6) (bond market unit) |  |
| **XBC** | 957 | [European Unit of Account 9](https://en.wikipedia.org/wiki/European_Unit_of_Account_9) (E.U.A.-9) (bond market unit) |  |
| **XBD** | 958 | [European Unit of Account 17](https://en.wikipedia.org/wiki/European_Unit_of_Account_17) (E.U.A.-17) (bond market unit) |  |
| **XCD** | 951 | [East Caribbean dollar](https://en.wikipedia.org/wiki/East_Caribbean_dollar) | [Anguilla](https://en.wikipedia.org/wiki/Anguilla) (AI),  [Antigua and Barbuda](https://en.wikipedia.org/wiki/Antigua_and_Barbuda) (AG),  [Dominica](https://en.wikipedia.org/wiki/Dominica) (DM),  [Grenada](https://en.wikipedia.org/wiki/Grenada) (GD),  [Montserrat](https://en.wikipedia.org/wiki/Montserrat) (MS),  [Saint Kitts and Nevis](https://en.wikipedia.org/wiki/Saint_Kitts_and_Nevis) (KN),  [Saint Lucia](https://en.wikipedia.org/wiki/Saint_Lucia) (LC),  [Saint Vincent and the Grenadines](https://en.wikipedia.org/wiki/Saint_Vincent_and_the_Grenadines) (VC) |
| **XDR** | 960 | [Special drawing rights](https://en.wikipedia.org/wiki/Special_drawing_rights) | [International Monetary Fund](https://en.wikipedia.org/wiki/International_Monetary_Fund) |
| **XOF** | 952 | [CFA franc BCEAO](https://en.wikipedia.org/wiki/West_African_CFA_franc) | [Benin](https://en.wikipedia.org/wiki/Benin) (BJ),  [Burkina Faso](https://en.wikipedia.org/wiki/Burkina_Faso) (BF),  [Côte d'Ivoire](https://en.wikipedia.org/wiki/Ivory_Coast) (CI),  [Guinea-Bissau](https://en.wikipedia.org/wiki/Guinea-Bissau) (GW),  [Mali](https://en.wikipedia.org/wiki/Mali) (ML),  [Niger](https://en.wikipedia.org/wiki/Niger) (NE),  [Senegal](https://en.wikipedia.org/wiki/Senegal) (SN),  [Togo](https://en.wikipedia.org/wiki/Togo) (TG) |
| **XPD** | 964 | [Palladium](https://en.wikipedia.org/wiki/Palladium_as_an_investment) (one [troy ounce](https://en.wikipedia.org/wiki/Troy_ounce)) |  |
| **XPF** | 953 | [CFP franc](https://en.wikipedia.org/wiki/CFP_franc) (franc Pacifique) | French territories of the Pacific Ocean:  [French Polynesia](https://en.wikipedia.org/wiki/French_Polynesia) (PF),  [New Caledonia](https://en.wikipedia.org/wiki/New_Caledonia) (NC),  [Wallis and Futuna](https://en.wikipedia.org/wiki/Wallis_and_Futuna) (WF) |
| **XPT** | 962 | [Platinum](https://en.wikipedia.org/wiki/Platinum_as_an_investment) (one [troy ounce](https://en.wikipedia.org/wiki/Troy_ounce)) |  |
| **XSU** | 994 | [SUCRE](https://en.wikipedia.org/wiki/XSU) | Unified System for Regional Compensation (SUCRE)[[19]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-25) |
| **XTS** | 963 | Code reserved for testing |  |
| **XUA** | 965 | [ADB Unit of Account](https://en.wikipedia.org/wiki/XUA) | [African Development Bank](https://en.wikipedia.org/wiki/African_Development_Bank)[[20]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-26) |
| **XXX** | 999 | No currency |  |
| **YER** | 886 | [Yemeni rial](https://en.wikipedia.org/wiki/Yemeni_rial) | [Yemen](https://en.wikipedia.org/wiki/Yemen) |
| **YER ADEN** | 886 | [Yemeni rial](https://en.wikipedia.org/wiki/Yemeni_rial) | [Yemen](https://en.wikipedia.org/wiki/Yemen) |
| **ZAR** | 710 | [South African rand](https://en.wikipedia.org/wiki/South_African_rand) | [Eswatini](https://en.wikipedia.org/wiki/Eswatini),  [Lesotho](https://en.wikipedia.org/wiki/Lesotho),  [Namibia](https://en.wikipedia.org/wiki/Namibia),  [South Africa](https://en.wikipedia.org/wiki/South_Africa) |
| **ZMW** | 967 | [Zambian kwacha](https://en.wikipedia.org/wiki/Zambian_kwacha) | [Zambia](https://en.wikipedia.org/wiki/Zambia) |
| **ZWL** | 932 | [Zimbabwean dollar](https://en.wikipedia.org/wiki/Zimbabwean_dollar_(2019%E2%80%93present)) (fifth)[[g]](https://en.wikipedia.org/wiki/ISO_4217#cite_note-ZWL-27) | [Zimbabwe](https://en.wikipedia.org/wiki/Zimbabwe) |

## Country Codes

| **Code** | **Country name (using**[**title case**](https://en.wikipedia.org/wiki/Title_case)**)** |
| --- | --- |
| [AD](https://en.wikipedia.org/wiki/ISO_3166-2:AD) | [Andorra](https://en.wikipedia.org/wiki/Andorra) |
| [AE](https://en.wikipedia.org/wiki/ISO_3166-2:AE) | [United Arab Emirates](https://en.wikipedia.org/wiki/United_Arab_Emirates) |
| [AF](https://en.wikipedia.org/wiki/ISO_3166-2:AF) | [Afghanistan](https://en.wikipedia.org/wiki/Afghanistan) |
| [AG](https://en.wikipedia.org/wiki/ISO_3166-2:AG) | [Antigua and Barbuda](https://en.wikipedia.org/wiki/Antigua_and_Barbuda) |
| [AI](https://en.wikipedia.org/wiki/ISO_3166-2:AI) | [Anguilla](https://en.wikipedia.org/wiki/Anguilla) |
| [AL](https://en.wikipedia.org/wiki/ISO_3166-2:AL) | [Albania](https://en.wikipedia.org/wiki/Albania) |
| [AM](https://en.wikipedia.org/wiki/ISO_3166-2:AM) | [Armenia](https://en.wikipedia.org/wiki/Armenia) |
| [AO](https://en.wikipedia.org/wiki/ISO_3166-2:AO) | [Angola](https://en.wikipedia.org/wiki/Angola) |
| [AQ](https://en.wikipedia.org/wiki/ISO_3166-2:AQ) | [Antarctica](https://en.wikipedia.org/wiki/Antarctica) |
| [AR](https://en.wikipedia.org/wiki/ISO_3166-2:AR) | [Argentina](https://en.wikipedia.org/wiki/Argentina) |
| [AS](https://en.wikipedia.org/wiki/ISO_3166-2:AS) | [American Samoa](https://en.wikipedia.org/wiki/American_Samoa) |
| [AT](https://en.wikipedia.org/wiki/ISO_3166-2:AT) | [Austria](https://en.wikipedia.org/wiki/Austria) |
| [AU](https://en.wikipedia.org/wiki/ISO_3166-2:AU) | [Australia](https://en.wikipedia.org/wiki/Australia) |
| [AW](https://en.wikipedia.org/wiki/ISO_3166-2:AW) | [Aruba](https://en.wikipedia.org/wiki/Aruba) |
| [AX](https://en.wikipedia.org/wiki/ISO_3166-2:AX) | [Åland Islands](https://en.wikipedia.org/wiki/%C3%85land) |
| [AZ](https://en.wikipedia.org/wiki/ISO_3166-2:AZ) | [Azerbaijan](https://en.wikipedia.org/wiki/Azerbaijan) |
| [BA](https://en.wikipedia.org/wiki/ISO_3166-2:BA) | [Bosnia and Herzegovina](https://en.wikipedia.org/wiki/Bosnia_and_Herzegovina) |
| [BB](https://en.wikipedia.org/wiki/ISO_3166-2:BB) | [Barbados](https://en.wikipedia.org/wiki/Barbados) |
| [BD](https://en.wikipedia.org/wiki/ISO_3166-2:BD) | [Bangladesh](https://en.wikipedia.org/wiki/Bangladesh) |
| [BE](https://en.wikipedia.org/wiki/ISO_3166-2:BE) | [Belgium](https://en.wikipedia.org/wiki/Belgium) |
| [BF](https://en.wikipedia.org/wiki/ISO_3166-2:BF) | [Burkina Faso](https://en.wikipedia.org/wiki/Burkina_Faso) |
| [BG](https://en.wikipedia.org/wiki/ISO_3166-2:BG) | [Bulgaria](https://en.wikipedia.org/wiki/Bulgaria) |
| [BH](https://en.wikipedia.org/wiki/ISO_3166-2:BH) | [Bahrain](https://en.wikipedia.org/wiki/Bahrain) |
| [BI](https://en.wikipedia.org/wiki/ISO_3166-2:BI) | [Burundi](https://en.wikipedia.org/wiki/Burundi) |
| [BJ](https://en.wikipedia.org/wiki/ISO_3166-2:BJ) | [Benin](https://en.wikipedia.org/wiki/Benin) |
| [BL](https://en.wikipedia.org/wiki/ISO_3166-2:BL) | [Saint Barthélemy](https://en.wikipedia.org/wiki/Saint_Barth%C3%A9lemy) |
| [BM](https://en.wikipedia.org/wiki/ISO_3166-2:BM) | [Bermuda](https://en.wikipedia.org/wiki/Bermuda) |
| [BN](https://en.wikipedia.org/wiki/ISO_3166-2:BN) | [Brunei Darussalam](https://en.wikipedia.org/wiki/Brunei) |
| [BO](https://en.wikipedia.org/wiki/ISO_3166-2:BO) | [Bolivia, Plurinational State of](https://en.wikipedia.org/wiki/Bolivia) |
| [BQ](https://en.wikipedia.org/wiki/ISO_3166-2:BQ) | [Bonaire, Sint Eustatius and Saba](https://en.wikipedia.org/wiki/Caribbean_Netherlands) |
| [BR](https://en.wikipedia.org/wiki/ISO_3166-2:BR) | [Brazil](https://en.wikipedia.org/wiki/Brazil) |
| [BS](https://en.wikipedia.org/wiki/ISO_3166-2:BS) | [Bahamas](https://en.wikipedia.org/wiki/The_Bahamas) |
| [BT](https://en.wikipedia.org/wiki/ISO_3166-2:BT) | [Bhutan](https://en.wikipedia.org/wiki/Bhutan) |
| [BV](https://en.wikipedia.org/wiki/ISO_3166-2:BV) | [Bouvet Island](https://en.wikipedia.org/wiki/Bouvet_Island) |
| [BW](https://en.wikipedia.org/wiki/ISO_3166-2:BW) | [Botswana](https://en.wikipedia.org/wiki/Botswana) |
| [BY](https://en.wikipedia.org/wiki/ISO_3166-2:BY) | [Belarus](https://en.wikipedia.org/wiki/Belarus) |
| [BZ](https://en.wikipedia.org/wiki/ISO_3166-2:BZ) | [Belize](https://en.wikipedia.org/wiki/Belize) |
| [CA](https://en.wikipedia.org/wiki/ISO_3166-2:CA) | [Canada](https://en.wikipedia.org/wiki/Canada) |
| [CC](https://en.wikipedia.org/wiki/ISO_3166-2:CC) | [Cocos (Keeling) Islands](https://en.wikipedia.org/wiki/Cocos_(Keeling)_Islands) |
| [CD](https://en.wikipedia.org/wiki/ISO_3166-2:CD) | [Congo, Democratic Republic of the](https://en.wikipedia.org/wiki/Democratic_Republic_of_the_Congo) |
| [CF](https://en.wikipedia.org/wiki/ISO_3166-2:CF) | [Central African Republic](https://en.wikipedia.org/wiki/Central_African_Republic) |
| [CG](https://en.wikipedia.org/wiki/ISO_3166-2:CG) | [Congo](https://en.wikipedia.org/wiki/Republic_of_the_Congo) |
| [CH](https://en.wikipedia.org/wiki/ISO_3166-2:CH) | [Switzerland](https://en.wikipedia.org/wiki/Switzerland) |
| [CI](https://en.wikipedia.org/wiki/ISO_3166-2:CI) | [Côte d'Ivoire](https://en.wikipedia.org/wiki/Ivory_Coast) |
| [CK](https://en.wikipedia.org/wiki/ISO_3166-2:CK) | [Cook Islands](https://en.wikipedia.org/wiki/Cook_Islands) |
| [CL](https://en.wikipedia.org/wiki/ISO_3166-2:CL) | [Chile](https://en.wikipedia.org/wiki/Chile) |
| [CM](https://en.wikipedia.org/wiki/ISO_3166-2:CM) | [Cameroon](https://en.wikipedia.org/wiki/Cameroon) |
| [CN](https://en.wikipedia.org/wiki/ISO_3166-2:CN) | [China](https://en.wikipedia.org/wiki/China) |
| [CO](https://en.wikipedia.org/wiki/ISO_3166-2:CO) | [Colombia](https://en.wikipedia.org/wiki/Colombia) |
| [CR](https://en.wikipedia.org/wiki/ISO_3166-2:CR) | [Costa Rica](https://en.wikipedia.org/wiki/Costa_Rica) |
| [CU](https://en.wikipedia.org/wiki/ISO_3166-2:CU) | [Cuba](https://en.wikipedia.org/wiki/Cuba) |
| [CV](https://en.wikipedia.org/wiki/ISO_3166-2:CV) | [Cabo Verde](https://en.wikipedia.org/wiki/Cape_Verde) |
| [CW](https://en.wikipedia.org/wiki/ISO_3166-2:CW) | [Curaçao](https://en.wikipedia.org/wiki/Cura%C3%A7ao) |
| [CX](https://en.wikipedia.org/wiki/ISO_3166-2:CX) | [Christmas Island](https://en.wikipedia.org/wiki/Christmas_Island) |
| [CY](https://en.wikipedia.org/wiki/ISO_3166-2:CY) | [Cyprus](https://en.wikipedia.org/wiki/Cyprus) |
| [CZ](https://en.wikipedia.org/wiki/ISO_3166-2:CZ) | [Czechia](https://en.wikipedia.org/wiki/Czech_Republic) |
| [DE](https://en.wikipedia.org/wiki/ISO_3166-2:DE) | [Germany](https://en.wikipedia.org/wiki/Germany) |
| [DJ](https://en.wikipedia.org/wiki/ISO_3166-2:DJ) | [Djibouti](https://en.wikipedia.org/wiki/Djibouti) |
| [DK](https://en.wikipedia.org/wiki/ISO_3166-2:DK) | [Denmark](https://en.wikipedia.org/wiki/Denmark) |
| [DM](https://en.wikipedia.org/wiki/ISO_3166-2:DM) | [Dominica](https://en.wikipedia.org/wiki/Dominica) |
| [DO](https://en.wikipedia.org/wiki/ISO_3166-2:DO) | [Dominican Republic](https://en.wikipedia.org/wiki/Dominican_Republic) |
| [DZ](https://en.wikipedia.org/wiki/ISO_3166-2:DZ) | [Algeria](https://en.wikipedia.org/wiki/Algeria) |
| [EC](https://en.wikipedia.org/wiki/ISO_3166-2:EC) | [Ecuador](https://en.wikipedia.org/wiki/Ecuador) |
| [EE](https://en.wikipedia.org/wiki/ISO_3166-2:EE) | [Estonia](https://en.wikipedia.org/wiki/Estonia) |
| [EG](https://en.wikipedia.org/wiki/ISO_3166-2:EG) | [Egypt](https://en.wikipedia.org/wiki/Egypt) |
| [EH](https://en.wikipedia.org/wiki/ISO_3166-2:EH) | [Western Sahara](https://en.wikipedia.org/wiki/Western_Sahara) |
| [ER](https://en.wikipedia.org/wiki/ISO_3166-2:ER) | [Eritrea](https://en.wikipedia.org/wiki/Eritrea) |
| [ES](https://en.wikipedia.org/wiki/ISO_3166-2:ES) | [Spain](https://en.wikipedia.org/wiki/Spain) |
| [ET](https://en.wikipedia.org/wiki/ISO_3166-2:ET) | [Ethiopia](https://en.wikipedia.org/wiki/Ethiopia) |
| [FI](https://en.wikipedia.org/wiki/ISO_3166-2:FI) | [Finland](https://en.wikipedia.org/wiki/Finland) |
| [FJ](https://en.wikipedia.org/wiki/ISO_3166-2:FJ) | [Fiji](https://en.wikipedia.org/wiki/Fiji) |
| [FK](https://en.wikipedia.org/wiki/ISO_3166-2:FK) | [Falkland Islands (Malvinas)](https://en.wikipedia.org/wiki/Falkland_Islands) |
| [FM](https://en.wikipedia.org/wiki/ISO_3166-2:FM) | [Micronesia, Federated States of](https://en.wikipedia.org/wiki/Federated_States_of_Micronesia) |
| [FO](https://en.wikipedia.org/wiki/ISO_3166-2:FO) | [Faroe Islands](https://en.wikipedia.org/wiki/Faroe_Islands) |
| [FR](https://en.wikipedia.org/wiki/ISO_3166-2:FR) | [France](https://en.wikipedia.org/wiki/France) |
| [GA](https://en.wikipedia.org/wiki/ISO_3166-2:GA) | [Gabon](https://en.wikipedia.org/wiki/Gabon) |
| [GB](https://en.wikipedia.org/wiki/ISO_3166-2:GB) | [United Kingdom of Great Britain and Northern Ireland](https://en.wikipedia.org/wiki/United_Kingdom) |
| [GD](https://en.wikipedia.org/wiki/ISO_3166-2:GD) | [Grenada](https://en.wikipedia.org/wiki/Grenada) |
| [GE](https://en.wikipedia.org/wiki/ISO_3166-2:GE) | [Georgia](https://en.wikipedia.org/wiki/Georgia_(country)) |
| [GF](https://en.wikipedia.org/wiki/ISO_3166-2:GF) | [French Guiana](https://en.wikipedia.org/wiki/French_Guiana) |
| [GG](https://en.wikipedia.org/wiki/ISO_3166-2:GG) | [Guernsey](https://en.wikipedia.org/wiki/Bailiwick_of_Guernsey) |
| [GH](https://en.wikipedia.org/wiki/ISO_3166-2:GH) | [Ghana](https://en.wikipedia.org/wiki/Ghana) |
| [GI](https://en.wikipedia.org/wiki/ISO_3166-2:GI) | [Gibraltar](https://en.wikipedia.org/wiki/Gibraltar) |
| [GL](https://en.wikipedia.org/wiki/ISO_3166-2:GL) | [Greenland](https://en.wikipedia.org/wiki/Greenland) |
| [GM](https://en.wikipedia.org/wiki/ISO_3166-2:GM) | [Gambia](https://en.wikipedia.org/wiki/The_Gambia) |
| [GN](https://en.wikipedia.org/wiki/ISO_3166-2:GN) | [Guinea](https://en.wikipedia.org/wiki/Guinea) |
| [GP](https://en.wikipedia.org/wiki/ISO_3166-2:GP) | [Guadeloupe](https://en.wikipedia.org/wiki/Guadeloupe) |
| [GQ](https://en.wikipedia.org/wiki/ISO_3166-2:GQ) | [Equatorial Guinea](https://en.wikipedia.org/wiki/Equatorial_Guinea) |
| [GR](https://en.wikipedia.org/wiki/ISO_3166-2:GR) | [Greece](https://en.wikipedia.org/wiki/Greece) |
| [GS](https://en.wikipedia.org/wiki/ISO_3166-2:GS) | [South Georgia and the South Sandwich Islands](https://en.wikipedia.org/wiki/South_Georgia_and_the_South_Sandwich_Islands) |
| [GT](https://en.wikipedia.org/wiki/ISO_3166-2:GT) | [Guatemala](https://en.wikipedia.org/wiki/Guatemala) |
| [GU](https://en.wikipedia.org/wiki/ISO_3166-2:GU) | [Guam](https://en.wikipedia.org/wiki/Guam) |
| [GW](https://en.wikipedia.org/wiki/ISO_3166-2:GW) | [Guinea-Bissau](https://en.wikipedia.org/wiki/Guinea-Bissau) |
| [GY](https://en.wikipedia.org/wiki/ISO_3166-2:GY) | [Guyana](https://en.wikipedia.org/wiki/Guyana) |
| [HK](https://en.wikipedia.org/wiki/ISO_3166-2:HK) | [Hong Kong](https://en.wikipedia.org/wiki/Hong_Kong) |
| [HM](https://en.wikipedia.org/wiki/ISO_3166-2:HM) | [Heard Island and McDonald Islands](https://en.wikipedia.org/wiki/Heard_Island_and_McDonald_Islands) |
| [HN](https://en.wikipedia.org/wiki/ISO_3166-2:HN) | [Honduras](https://en.wikipedia.org/wiki/Honduras) |
| [HR](https://en.wikipedia.org/wiki/ISO_3166-2:HR) | [Croatia](https://en.wikipedia.org/wiki/Croatia) |
| [HT](https://en.wikipedia.org/wiki/ISO_3166-2:HT) | [Haiti](https://en.wikipedia.org/wiki/Haiti) |
| [HU](https://en.wikipedia.org/wiki/ISO_3166-2:HU) | [Hungary](https://en.wikipedia.org/wiki/Hungary) |
| [ID](https://en.wikipedia.org/wiki/ISO_3166-2:ID) | [Indonesia](https://en.wikipedia.org/wiki/Indonesia) |
| [IE](https://en.wikipedia.org/wiki/ISO_3166-2:IE) | [Ireland](https://en.wikipedia.org/wiki/Republic_of_Ireland) |
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| [ST](https://en.wikipedia.org/wiki/ISO_3166-2:ST) | [Sao Tome and Principe](https://en.wikipedia.org/wiki/S%C3%A3o_Tom%C3%A9_and_Pr%C3%ADncipe) |
| [SV](https://en.wikipedia.org/wiki/ISO_3166-2:SV) | [El Salvador](https://en.wikipedia.org/wiki/El_Salvador) |
| [SX](https://en.wikipedia.org/wiki/ISO_3166-2:SX) | [Sint Maarten (Dutch part)](https://en.wikipedia.org/wiki/Sint_Maarten) |
| [SY](https://en.wikipedia.org/wiki/ISO_3166-2:SY) | [Syrian Arab Republic](https://en.wikipedia.org/wiki/Syria) |
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## 

## Card Type

|  |  |  |
| --- | --- | --- |
| **No.** | **Card Type** | **Code** |
| 1 | VISA | visa |
| 2 | MASTER CARD | mastercard |
| 3 | AMERICAN EXPRESS | amex |
| 4 | JCB | jcb |
| 5 | MAESTRO | maestro |
| 6 | DISCOVER | discover |
| 7 | UNION PAY | union-pay |
| 8 | DINERS | diners |

## Code example

### PHP

<?php

function generateSignature(array $data): string

{

$privateKey = openssl\_pkey\_get\_private("-----BEGIN PRIVATE KEY-----

MIIJQQIBADANBgkqhkiG9w0BAQEFAASCCSswggknAgEAAoICAQDwgPXMA8tv7boG

...

8S7wZ3XcsaLzlzMXrxhykwsDFBFg

-----END PRIVATE KEY-----

");

ksort($data, SORT\_NATURAL);

array\_walk\_recursive(

$data,

static function(&$field) {

$field = trim($field);

}

);

openssl\_sign(json\_encode($data), $signature,

$privateKey, 'md5WithRSAEncryption'

);

return base64\_encode($signature);

}

function verifySignature(array $data): bool

{

$publicKey = openssl\_pkey\_get\_public("-----BEGIN PUBLIC KEY-----

MIICIjANBgkqhkiG9w0BAQEFAAOCAg8AMIICCgKCAgEAxu+5iLOm7KCXoGxUMHX5

...

PR1ofGsEO8/N/qJuggQc2P8CAwEAAQ==

-----END PUBLIC KEY-----

");

$dataWithoutSignature = array\_filter($data, static function ($key) {

return $key !== 'signature';

}, ARRAY\_FILTER\_USE\_KEY);

$signature = $data['signature'];

ksort($dataWithoutSignature, SORT\_NATURAL);

array\_walk\_recursive(

$dataWithoutSignature,

static function(&$field) {

$field = trim($field);

}

);

$result = openssl\_verify(json\_encode($dataWithoutSignature), base64\_decode($signature), $publicKey, 'md5WithRSAEncryption');

return $result === 1;

}

### NodeJS

function generateSignature(data) {

const crypto = require('crypto');

const privateKey = `-----BEGIN PRIVATE KEY-----

MIIJQQIBADANBgkqhkiG9w0BAQEFAASCCSswggknAgEAAoICAQDwgPXMA8tv7boG

...

8S7wZ3XcsaLzlzMXrxhykwsDFBFg

-----END PRIVATE KEY-----

`;

const clonedData = JSON.parse(JSON.stringify(data));

Object.keys(clonedData).forEach(key => {

if (typeof clonedData[key] === 'number') {

clonedData[key] = String(clonedData[key]);

}

});

const sortedData = {};

Object.keys(clonedData)

.sort((a, b) => a.localeCompare(b, undefined, { numeric: true, sensitivity: 'base' }))

.forEach(key => {

sortedData[key] = clonedData[key];

});

const trimRecursive = (obj) => {

if (typeof obj !== 'object' || obj === null) {

return typeof obj === 'string' ? obj.trim() : obj;

}

if (Array.isArray(obj)) {

return obj.map(item => trimRecursive(item));

}

const result = {};

for (const key in obj) {

if (Object.prototype.hasOwnProperty.call(obj, key)) {

result[key] = trimRecursive(obj[key]);

}

}

return result;

};

const trimmedData = trimRecursive(sortedData);

const jsonData = JSON.stringify(trimmedData).replace(/\//g, '\\/');

const sign = crypto.createSign('md5WithRSAEncryption');

sign.update(jsonData);

const signature = sign.sign(privateKey, 'base64');

return signature;

}