

Import Angpow API

Endpoint

POST /api/v3/merchant/angpow-imports

Request Headers

Header	Required	Description
Content-Type	Yes	application/json
X-Request-Signature	Yes	Base64-encoded HMAC-SHA1 signature generated from merchant-specific parameters and auth key.

Request Payload

```
{
  "merchant_code": "plx",
  "report_date": "1700000000",
  "angpow": [
    {
      "member_login": "John",
      "start_time": "2026-01-01T08:00:00Z",
      "end_time": "2026-01-31T08:00:00Z",
      "amount": 10.00,
      "reward_name": "angpow",
      "description": "angpow description",
      "member_inbox_message": "member message content",
      "category": "promotion",
      "category_title": "promotion title",
      "one_time_turnover": "yes",
      "multiplier": 3
    }
  ],
  "currency_visual": [
    {
      "currency": "MYR",
      "visual_name": "Angpow"
    }
  ]
}
```

Payload Rules

- Max 100 records in **angpows** array per request.
- Datetime format: ISO-8601 (YYYY-MM-DDTHH:mm:ssZ).
- **amount** must be positive.

- `start_time` must be before `end_time`.
- `merchant_code` must be valid.

Field Definitions

Field	Type	Description
merchant_code	string	Merchant identifier
report_date	string	Epoch datetime
angpow	array	Reward records
member_login	string	Member login
start_time	string	Start datetime
end_time	string	End datetime
amount	number	Reward amount
reward_name	string	Reward name
description	string	Description
member_inbox_message	string	Inbox message
category	string	Category
category_title	string	Category title
one_time_turnover	string	yes/no
multiplier	number	Multiplier
currency_visual	array	Visuals mapping
currency	string	Currency
visual_name	string	Visual name in reward_visual table

API Responses

Success

- **HTTP 200 OK**
- Body:

```
{
  "code": "0",
  "message": "Angpow import task initiated successfully.",
  "timestamp": "YYYY-MM-DDTHH:mm:ss.sssZ",
  "data": null,
  "traceId": "..."
```

Error

- **HTTP 400 Bad Request:** Indicates invalid parameters, authentication failure, or task creation issues.

```
{
  "code": "API_ERRxxx",
  "message": "Error description",
  "timestamp": "YYYY-MM-DDTHH:mm:ss.sssZ",
  "traceId": "..."
```

- **HTTP 500 Internal Server Error:** Indicates an unexpected processing error.

```
{
  "code": "API_ERR000",
  "message": "Unexpected error occurred",
  "timestamp": "YYYY-MM-DDTHH:mm:ss.sssZ",
  "traceId": "..."
```

- Non-200 responses indicate errors and may be retried up to 3 times.

Security & Request Verification

Signature Generation

- Algorithm: **HmacSHA1**
- Output: Base64 encoded
- Key: d9f5b2f3eef35dda5d623a213d360369ac5c29c5d248ee2020aee151e6526e72 (Production environment will be provided by BA)

Signature Input Strings

- **Import Angpow API:** `merchant_code={merchant_code}&report_date={report_date}`

Python Example (HmacSHA1)

```
import base64
import hmac
import hashlib

def encrypt_util(data: str, base64_key: str) -> str:
    key = base64.b64decode(base64_key)
    mac = hmac.new(key, data.encode("utf-8"), hashlib.sha1)
    return base64.b64encode(mac.digest()).decode("utf-8")
```

Summary

- One API: Import Angpow API
- Batch size: up to 100 angpow records per request.
- HMAC-SHA1 authentication required via `X-Request-Signature` header.
- Standardized JSON responses with `code`, `message`, `timestamp`, `data`, and `traceId`.
- HTTP 200 = success, with a specific success message. Error codes and messages are standardized.