

# RUNPAISA

## JSON Message Structures – PG API Document 1.0.0

### Acronyms

API – Application Program Interface

UAT – User Acceptance Testing

M – Mandatory

O – Optional

C – Conditionally Mandatory

### API

All APIs are exposed as stateless service over HTTPS. API Input data should be sent using content-type “application/json”. The below are list of APIs defined in the RUNPAISA PG System.

**Authentication:** RunpaisaKey

**Encryption Logic:** HMAC (256 BYTE)

IP white listing will be required in UAT & Production both

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## API DESCRIPTION

S No.	API Name	API Description
1.	Get Token	Used to Get Authentication Token
2.	Account Validation	Used to validate beneficiary account number

### 1. Get Token

UAT

Base URL: <https://dev.api.runpaisa.com/token>

PROD

Base URL: <https://api.runpaisa.com/token>

API Header:

PARAMS	VALUE	TYPE
Content-Type	application/json	M
client_id	api provider will give	M
username	your login password	M
password	your login password	M

### SAMPLE SUCCESS RESPONSE :

```
{
  "status": "SUCCESS",
  "message": "TOKEN GENERATED SUCCESSFULLY",
  "code": "RP000",
  "data": {
    "token": "qwertyuiop12345",
    "expiry": "7200"
  }
}
```

### SAMPLE FAIL RESPONSE :

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```
{
  "status": "FAIL",
  "message": "IP_ADDRESS NOT WHITELISTED",
  "code": "RP002"
}

{
  "status": "FAIL",
  "message": "AUTHENTICATION FAILED. User not valid",
  "code": "RP004"
}
```

## Response Code Information

S No.	Response Code	Description
1	RP000	TOKEN GENERATED SUCCESSFULLY
2	RP001	INVALID REQUEST
3	RP002	IP_ADDRESS NOT WHITELISTED
4	RP003	INVALID CONTENT-TYPE
5	RP004	AUTHENTICATION FAILED
6	RP005	USER NOT ACTIVE

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## 2. Validate Account Number

UAT

Base URL: <https://dev.api.validation.runpaisa.com/account>

PROD

Base URL: <https://api.validate.runpaisa.com/account>

API Header:

PARAMS	VALUE	TYPE
Content-Type	multipart/form-data	M
client_id	api provider will give	M
token	received from token api	M

Request Body:

PARAMS	VALUE	TYPE
account	User bank account number	M
ifsc	Bank ifsc code	M

### SAMPLE SUCCESS RESPONSE

```
{
  "STATUS": "SUCCESS",
  "STATUS_CODE": "RP000",
  "MESSAGE": "Transaction Successfull",
  "ORDERID": "1202309180501441695031304",
  "ACCOUNT_NUMBER": "026291800001191",
  "IFSC_CODE": "YESB0000262",
  "BENEFICIARY_NAME": "JOHN DOE",
  "UTRN": "1695031305469375",
  "REFID": "3034774",
  "BANKNAME": "YES BANK",
  "CITY": "MUMBAI",
  "BRANCH": "SANTACRUZ, MUMBAI",
  "BANK_STATUS": "Bank Account details verified successfully"
}
```

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## SAMPLE FAIL RESPONSE

```
{  
  "STATUS": "FAIL",  
  "STATUS_CODE": "RP000",  
  "MESSAGE": "Transaction Successfull",  
  "ORDERID": "1202309180501441695031304",  
  "ACCOUNT_NUMBER": "026291800001191",  
  "IFSC_CODE": "YESB0000262",  
  "BENEFICIARY_NAME": "JOHN DOE",  
  "UTRN": "1695031305469375",  
  "REFID": "3034774",  
  "BANKNAME": "YES BANK",  
  "CITY": "MUMBAI",  
  "BRANCH": "SANTACRUZ, MUMBAI",  
  "BANK_STATUS": "Bank Account details verified successfully"  
}
```

## Response Code Information

S No.	Response Code	Description
1	RP000	TRANSACTION SUCCESSFULLY
2	RP001	INVALID REQUEST
3	RP002	IP_ADDRESS NOT WHITELISTED
4	RP003	INVALID CONTENT-TYPE
5	RP004	INVALID CLIENT ID
6	RP005	EXPIRED OR INVALID TOKEN
7	RP006	INVALID BENEFICIARY ACCOUNT NUMBER
8	RP007	INVALID BENEFICIARY IFSC CODE
9	RP008	INACTIVE_USER
10	RP009	INACTIVE_SERVICE
11	RP0010	INSUFFICIENT_BALANCE

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## 3. Validate Aadhaar Number OTP

UAT

Base URL: <https://dev.api.verification.runpaise.com/aadhaar/otp>

PROD

Base URL: <https://api.validate.runpaise.com/aadhaar/otp>

API Header:

PARAMS	VALUE	TYPE
Content-Type	application/json	M
client_id	api provider will give	M
token	received from token api	M

Request Body:

PARAMS	VALUE	TYPE
aadhaar_number	User Aadhaar number	M

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## SAMPLE SUCCESS RESPONSE

```
{
  "STATUS": "SUCCESS",
  "STATUS_CODE": "RP000",
  "MESSAGE": "Transaction Successfull",
  "ORDERID": "Your Order Id",
  "AADHAAR_NUMBER": "655675523712",
  "REFID": "47708",
  "AADHAAR_NAME": "NA",
  "CARE_OF": "NA",
  "DOB": "NA",
  "EMAIL": "NA",
  "MOBILE_HASH": "NA",
  "GENDER": "NA",
  "YEAR_OF_BIRTH": "NA",
  "ADDRESS": "NA",
  "PHOTO_LINK": "NA",
  "AADHAAR_MESSAGE": "OTP sent successfully"
}
```

## SAMPLE FAIL RESPONSE

```
{
  'STATUS' => "FAIL",
  'STATUS_CODE' => 'RP000',
  'MESSAGE' => "Transaction Successfull",
  'ORDERID' => $order_id,
  'AADHAAR_NUMBER' => "655675523712",
  'REFID' => 'NA',
  'AADHAAR_NAME' => 'NA',
  'CARE_OF' => 'NA',
  'DOB' => 'NA',
  'EMAIL' => 'NA',
  'MOBILE_HASH' => 'NA',
  'GENDER' => 'NA',
  'YEAR_OF_BIRTH' => 'NA',
  'ADDRESS' => 'NA',
  'PHOTO_LINK' => 'NA',
  'AADHAAR_MESSAGE' => "Invalid Aadhaar Number",
}
```

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## Response Code Information

S No.	Response Code	Description
1	RP000	TRANSACTION SUCCESSFULLY
2	RP001	INVALID REQUEST
3	RP002	IP_ADDRESS NOT WHITELISTED
4	RP003	INVALID CONTENT-TYPE
5	RP004	INVALID CLIENT ID
6	RP005	EXPIRED OR INVALID TOKEN
8	RP008	INVALID REFERENCE ID
9	RP009	INACTIVE_SERVICE
10	RP0010	INVALID CLIENT ID
11	RP0011	INSUFFICIENT_BALANCE



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## 4. Validate Aadhaar Number Verify

UAT

Base URL: <https://dev.api.verification.runpaise.com/aadhaar/verify>

PROD

Base URL: <https://api.validate.runpaise.com/aadhaar/verify>

API Header:

PARAMS	VALUE	TYPE
Content-Type	multipart/form-data	M
client_id	api provider will give	M
token	received from token api	M

Request Body:

PARAMS	VALUE	TYPE
ref_id	Refrence Id (Provide in otp api)	M
otp	One Time Password	M

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## SAMPLE SUCCESS RESPONSE

```
{
  "STATUS": "SUCCESS",
  "STATUS_CODE": "RP000",
  "MESSAGE": "Transaction Successfull",
  "ORDERID": "1anv202309180541011695033661",
  "AADHAAR_NUMBER": "655675523712",
  "REFID": "47712",
  "AADHAAR_NAME": "Mallesh Fakkirappa Dollin",
  "CARE_OF": "S/O: Fakkirappa Dollin",
  "DOB": "02-02-1995",
  "EMAIL": "",

  "MOBILE_HASH": "ed189eb73247cb90b769e7e8d7dfd2efa4cd6a5ec27602f5d2721c0352
66568c",
  "GENDER": "M",
  "YEAR_OF_BIRTH": "1995",
  "ADDRESS": "Shri Kanaka Nilaya,,Umashankar Nagar 1st Main 5th Cross,Ranebennur,H
averi-Karnataka,India",
  "PHOTO_LINK": "base64encoded image",
  "AADHAAR_MESSAGE": "Aadhaar Card Exists"
}
```

## SAMPLE FAIL RESPONSE

```
{
  "STATUS": "FAIL",
  "STATUS_CODE": "RP102",
  "MESSAGE": "Transaction Successfull",
  "ORDERID": "1anv202309180541011695033661",
  "AADHAAR_NUMBER": "655675523712",
  "REFID": "NA",
  "AADHAAR_NAME": "NA",
  "CARE_OF": "NA",
  "DOB": "NA",
  "EMAIL": "NA",
  "MOBILE_HASH": "NA",
  "GENDER": "NA",
  "YEAR_OF_BIRTH": "NA",
  "ADDRESS": "NA",
  "PHOTO_LINK": "NA",
  "AADHAAR_MESSAGE": "OTP entered is invalid"
}
```

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## Response Code Information

S No.	Response Code	Description
1	RP000	TRANSACTION SUCCESSFULLY
2	RP001	INVALID REQUEST
3	RP002	IP_ADDRESS NOT WHITELISTED
4	RP003	INVALID CONTENT-TYPE
5	RP004	INVALID CLIENT ID
6	RP005	EXPIRED OR INVALID TOKEN
7	RP006	INVALID AADHAAR NUMBER
8	RP008	INVALID REFERENCE ID
9	RP009	INACTIVE_SERVICE
10	RP0010	INVA

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## 5. Validate PAN Number

UAT

Base URL: <https://dev.api.verification.runpaise.com/pan>

PROD

Base URL: <https://api.validate.runpaise.com/pan>

API Header:

PARAMS	VALUE	TYPE
Content-Type	multipart/form-data	M
client_id	api provider will give	M
token	received from token api	M

Request Body:

PARAMS	VALUE	TYPE
pan	User pan number	M

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## SAMPLE SUCCESS RESPONSE

```
{
  "STATUS": "SUCCESS",
  "STATUS_CODE": "RP000",
  "MESSAGE": "Transaction Successfull",
  "ORDERID": "1panv202309180616201695035780",
  "PAN_NUMBER": "ABCPV1234D",
  "PAN_TYPE": "Individual",
  "REFID": 222694,
  "REGISTERED_NAME": "JOHN DOE",
  "NAME_PAN_CARD": "JOHN DOE",
  "AADHAAR_SEEDING_STATUS": "Y",
  "AADHAAR_SEEDING_STATUS_DESC": "Aadhaar is linked to PAN",
  "PAN_STATUS": "VALID",
  "PAN_MESSAGE": "PAN verified successfully",
  "LAST_UPDATED_AT": "01/01/2019"
}
```

## SAMPLE FAIL RESPONSE

```
{
  "STATUS": "FAIL",
  "STATUS_CODE": "RP000",
  "MESSAGE": "internal_error,Unable to process your request.Try again after some time.",
  "ORDERID": "1panv202309180614411695035681",
  "PAN_NUMBER": "NA",
  "PAN_TYPE": "internal_error",
  "REFID": "NA",
  "REGISTERED_NAME": "NA",
  "NAME_PAN_CARD": "NA",
  "AADHAAR_SEEDING_STATUS": "NA",
  "AADHAAR_SEEDING_STATUS_DESC": "NA",
  "PAN_STATUS": "NA",
  "PAN_MESSAGE": "Unable to process your request. Try again after some time.",
  "LAST_UPDATED_AT": "NA"
}
```

# RUNPAISA

## Response Code Information

S No.	Response Code	Description
1	RP000	TRANSACTION SUCCESSFULLY
2	RP001	INVALID REQUEST
3	RP002	IP_ADDRESS NOT WHITELISTED
4	RP003	INVALID CONTENT-TYPE
5	RP004	INVALID CLIENT ID
6	RP005	EXPIRED OR INVALID TOKEN
8	RP006	INVALID PAN NUMBER
9	RP008	INACTIVE_USER
9	RP009	INACTIVE_SERVICE
10	RP0010	INVALID CLIENT ID
11	RP0011	INSUFFICIENT_BALANCE

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## 1. Validate BIN

### UAT

Base URL: <https://dev.api.verification.runpaise.com/bin>

### PROD

Base URL: <https://api.validate.runpaise.com/bin>

### API Header:

PARAMS	VALUE	TYPE
Content-Type	multipart/form-data	M
client_id	api provider will give	M
token	received from token api	M

### Request Body:

PARAMS	VALUE	TYPE
card_number	User card number	M

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## SAMPLE SUCCESS RESPONSE

```
{  
  "STATUS": "SUCCESS",  
  "STATUS_CODE": "RP000",  
  "MESSAGE": "Transaction Successfull",  
  "ORDERID": "1bin202309180632041695036724",  
  "SCHEME": "visa",  
  "TYPE": "credit",  
  "BANK": "BANK OF BARODA",  
  "COUNTRYCODE": "IN",  
  "SUBTYPE": "P"  
}
```

## SAMPLE FAIL RESPONSE

```
{  
  "STATUS": "FAIL",  
  "STATUS_CODE": "RP000",  
  "MESSAGE": "internal_error,Unable to process your request.Try again after some time.",  
  "ORDERID": "1panv202309180614411695035681",  
  "PAN_NUMBER": "NA",  
  "PAN_TYPE": "internal_error",  
  "REFID": "NA",  
  "REGISTERED_NAME": "NA",  
  "NAME_PAN_CARD": "NA",  
  "AADHAAR_SEEDING_STATUS": "NA",  
  "AADHAAR_SEEDING_STATUS_DESC": "NA",  
  "PAN_STATUS": "NA",  
  "PAN_MESSAGE": "Unable to process your request. Try again after some time.",  
  "LAST_UPDATED_AT": "NA"  
}
```

## Response Code Information

S No.	Response Code	Description
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1	RP000	TRANSACTION SUCCESSFULLY
2	RP001	INVALID REQUEST
3	RP002	IP_ADDRESS NOT WHITELISTED
4	RP003	INVALID CONTENT-TYPE
5	RP004	INVALID CLIENT ID
6	RP005	EXPIRED OR INVALID TOKEN
8	RP006	INVALID CARD NUMBER
9	RP008	INACTIVE_USER
9	RP009	INACTIVE_SERVICE
10	RP0010	INVALID CLIENT ID
11	RP0011	INSUFFICIENT_BALANCE