

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.verification.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.runpaisa.com/aadhaar/otp>

PROD

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

PROD

Base URL: <https://api.validate.runpaisa.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"  
}
```

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
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.runpaisa.com/pan>

PROD

Base URL: <https://api.validate.runpaisa.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

RUNPAISA

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.runpaisa.com/bin>

PROD

Base URL: <https://api.validate.runpaisa.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

RUNPAISA

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

RUNPAISA

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