

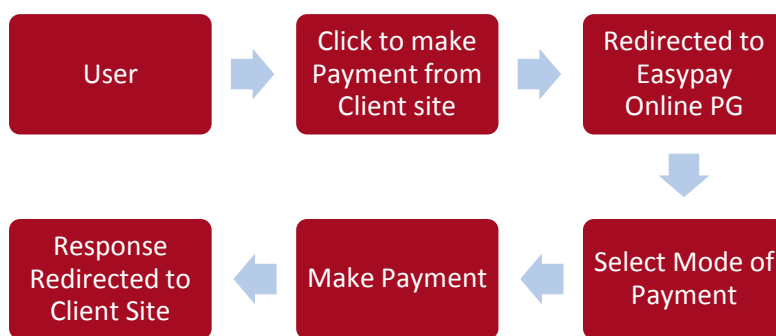


URL REDIRECTION SITE-TO-SITE INTEGRATION

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1. Web Service Flow



- User will visit the client website and by clicking on payment option, request will be redirected to the EasyPay Online gateway through the API services.
- User will then be redirected to the payment page where the details will be auto populated which were passed from the client site.
- Select the payment mode on payment gateway page and complete the payment process.
- On completion, user will be redirected to client site with the transaction status (Success / Failure / Pending).
- Transaction Request and Response will be routed in encrypted format.

2. Pre Requisites to carry out transaction

PPI fields

- These are pre-populated fields, which the user will be able to view post redirection on EasyPay PG from client site.

Public IP & domain name

- These details are required to be white listed so that transactions from respective client site can be authenticated.

Application Language

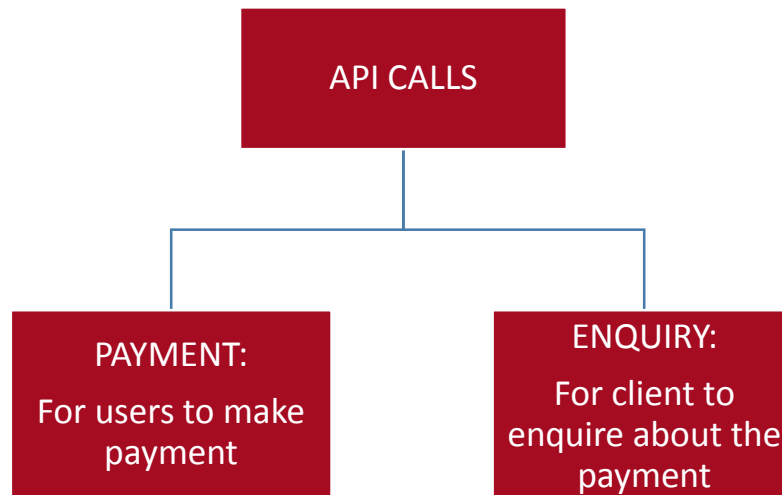
- It is required so the encryption and checksum algorithm can be provided.

TLS1.2

- Also please note that for payment redirection and enquiry we will allow only TLS1.2.

3. API Calls

API supports the following API calls for customers:



4. Web Service Details

4.1 Keys

Checksum Key: axis

Encryption & Decryption Key: axisbank12345678

4.2 The Status of the payments are understood by these codes:

STC=000 → Success

STC=101 → In process/Pending

STC=111 → Failed

4.3 Payment Mode :

PMD=AIB → Axis Internet Banking.

PMD=CD → Credit Card/Debit Card.

PMD=NR → NEFT/RTGS.

PMD=OIB → Other Internet Banking

4.4 Webservices URL

Payment - <https://uat-etendering.axisbank.co.in/easypay2.0/frontend/index.php/api/payment>

Enquiry - <https://uat-etendering.axisbank.co.in/easypay2.0/frontend/index.php/api/enquiry/>

5. For Payment

5.1. Payment Request Parameters

Parameters	Default Value	Field Description	Type(Length)
VER (required)	1.0	The version of the payment gateway.	Numeric (3)
CID (required)	-	Corporate ID is a unique identifier generated by Payment Gateway for each activated corporate. It will be provided post corporate on-boarding process.	Numeric(4)
TYP(required)	TEST	The type of gateway to be specified with default value in test environment.	Alphabets(4)
RID (required)	-	Reference ID is used by the payment gateway to identify the transaction, which needs to be unique value for every request sent.	Alphanumeric Min length – 6 Max length – 20
CRN (required)	-	Customer Reference Number, which can be unique/duplicate while doing payment. By default only unique values will be accepted.	Alphanumeric Min length – 6 Max length – 20
CNY (required)	INR	Type of currency in which transaction is to be processed Default: INR – Indian Rupee	Alphabets(3)
AMT (required)	-	Amount to be paid	Numeric(10,2)
RTU (required)	-	Payment Gateway will return the response parameters in encrypted format for the respective transaction to this URL.	Alphanumeric
PPI (required)	-	Form fields which will be displayed on the web page, need to be provided in pipe separated format (). Format will be provided post corporate on-boarding.	Alphanumeric
RE1 (required)	MN	Pass the values as “MN” to avoid any modification with respect to the data passed from client server to EasyPay PG.	Alphabets(2)
RE2 (optional)	-	Additional Data can be added.	Alphabets(100)
RE3 (optional)	-	Additional Data can be added.	Alphabets(100)
RE4 (optional)	-	Additional Data can be added.	Alphabets(100)
RE5 (optional)	-	Additional Data can be added.	Alphabets(100)
CKS (required)	-	Concatenation of (CID + RID + CRN + AMT + key) and need to be hashed by SHA256 hashed.	Alphanumeric

- Checksum (CKS) need to be concatenated with (CID + RID + CRN + AMT + key) and also hashed with SHA256.

E.g: CKS_value = hash ("sha256", CID + RID + CRN + AMT + key);

- Data needs to be requested to payment gateway using form with 'i' Parameter using POST method.
- All request parameters need to be concatenated with '&' and need to be encrypted with encryption key as sample request given below.

Sample Request

Checksum Sample Request while making Payment:

CID=2835&RID=123456&CRN=123456&AMT=1&CHECKSUM_KEY=axis

Format: hash("sha256", CID + RID + CRN + AMT + CHECKSUM_KEY);

Actual Plain Values:hash("sha256",28351234561234561axis);

Checksum generated:ad5a4845d25e41a94ff9d520a59556063f756536511e8b718186d7c7599a0778

Sample Actual Plain

Values: AES128(CID=2835&RID=123456&CRN=123456&AMT=1&VER=1.0&TYP=TEST&CNY=INR&RTU=http://localhost:9092/testing/&PPI=1|1|1|1|1|1&RE1=MN&RE2=&RE3=&RE4=&RE5=&CKS=ad5a4845d25e41a94ff9d520a59556063f756536511e8b718186d7c7599a0778)

Sample Encrypted string:

2Xz4q2QUhPOEgItN3d8mR16bJal1IUyu/4tzw1+bBFzN2xu8ayZq520nw+4/+votfi64WoFsYrgkSJTwsHYb5LLxOfyHIH53GzSLyPE7J3Ih0HnGsAalYCwLGpXRh5usTXplN0gsfnIdWZ9MbUW+IEBRpomm1FG78cq48CwWD5qGn6H5W7wMvMOdkpJgD5cN5gF6eNlx0gzTdZDo2N0axQhAGy0GubNeEmsHTZJvDC8uNOcxpnU1MvaY/Pr/fBciE7pLXIwHN79wvYyRthKYfy2STbgG6Qcr+xp1l7RefU=

- AES128 encrypted string need to be passed in 'i' variable using POST method to the Payment URL.

5.2 Payment Response Parameters

Payment Gateway will return following parameters:

Parameters	Field Description	Type (Length)
BRN	Reference number generated by the bank post transaction.	Numeric (10)
STC	The status code for this transaction.	Numeric(3)
RMK	The status message for this transaction.	Alphabets(25)
TRN	Unique Transaction ID generated by the aggregator received post completion of transaction.	Alphanumeric Min length – 6 Max length - 40
TET	Transaction Date and Time	Date Time
PMD	The mode of payment used for performing transaction.	Alphabets(3)
RID	This Reference ID is used by the payment gateway to identify the transaction with respect to the request sent.	Alphanumeric Min length – 6 Max length – 20
VER	The version of the payment gateway.	Numeric(3)
CID	Corporate Id will be sent is a unique identifier generated by Payment Gateway for each activated corporate.	Numeric(4)
TYP	The type of gateway for this transaction.	Alphabets(4)
CRN	Customer Reference Number which was sent while request for this transaction.	Alphanumeric Min length – 10 Max length - 12
CNY	Currency code in which the transaction was processed. INR – Indian Rupee	Alphabets(3)
AMT	Payment Amount Initiated	Numeric
CKS	Concatenation of (CID + RID + CRN + AMT + key) hashed by SHA256 will be sent.	Alphanumeric

The response will be sent by payment gateway in “GET” method with ‘i’ in encrypted format.

You need to consume the response and decrypt the encrypted string using the encryption algorithm shared.

Sample Response

Sample Encrypted string:

Mlq7AVwJU7mPIOA%2Fo8uz%2FZhA7yFqr%2FruoAaWEXHWb2ID4sDF68hy7Y9dy5FBISddIEOofgw0AzlfIM
 WaNtIdefuzg3KoIC0wS75BoNcWzDwRUqrCleb7IRaJ2LCg%2FsboqJKJZ94oKILqJrZJJfW2pjF7oSRZjloQsGHWZ
 Ytr%2Fw90oQNngPz1K%2FzenkRYm%2Fi19j2gJgpOIWAlR6P8zw4mwAMNbO3xkdx4pS2SQIVm38Y5uaopSR
 ojsNtnz507Md7S6qQgFOGcXQnM%2Fp3LozqlPpppn6sg1xhiWDVcdEkZecHnrt45Jb7tPwEDuLPEj80



Sample Plain string:

BRN=649910&STC=000&RMK=success&TRN=101715951&TET=2018/01/25 05:30:28
PM&PMD=AIB&RID=180100000120&VER=1.0&CID=3606&TYP=TEST&CRN=180100000120&CNY
=INR&AMT=2.00&CKS=725efb6f011c2336328539bb988539c969e4f9eca76284f925fb497972b9ddc7

6. For Enquiry

6.1 Enquiry Request Parameters

Parameters	Default Value	Field Description	Type(Length)
VER (required)	1.0	The version of the payment gateway.	Numeric(3)
CID (required)	-	Corporate Id is a unique identifier generated by Payment Gateway for each activated corporate.	Numeric(4)
TYP(required)	TEST	The type of gateway to be specified with default value.	Alphabets(4)
RID (required)	-	Reference ID is the unique ID which is passed while performing that particular transaction.	Alphanumeric Min length – 6 Max length – 20
CRN (required)	-	Customer Reference Number will be the same value which was passed while performing a particular transaction.	Alphanumeric Min length – 6 Max length - 20
BRN (optional)	-	Bank Reference Number received post transaction.	Numeric(10)
CKS (required)	-	Concatenation of (CID + RID + CRN + key) and need to be hashed by SHA256 hashed.	Alphanumeric

- Checksum (CKS) need to be concatenate with (CID + RID + CRN + key) and need to be hashed with SHA256. E.g:
CKS_value = hash("sha256", CID + RID + CRN + key);
- Data needs to be requested to payment gateway using form with 'i' Parameter using POST method.
- All request parameters need to be concatenated with '&' and need to be encrypted with encryption key as sample request given below.

Checksum Sample Request while making Enquiry:

CID=2835&RID=123456&CRN=123456&CHECKSUM_KEY=axis

Format: hash("sha256", CID + RID + CRN + CHECKSUM_KEY);

Actual Plain Values:hash("sha256",2835123456123456axis);

Checksum generated:60fe1f3b8a86d9477bf7722d444b5f14da303f65bd55bb4efb37ac4370e0178e

Sample Plain request for Enquiry:

CID=2835&RID=123456&CRN=123456&VER=1.0&TYP=TEST&CRN=123456&CKS=60fe1f3b8a86d9477bf7722d444b5f14da303f65bd55bb4efb37ac4370e0178e

Sample Encrypted request for Enquiry:

2Xz4q2QUhPOEgItN3d8mR29pArJg0erzos6jImbC8bXYENLVSjJ6ftltUIEYWvSfImHwkOFamOZ1qj7Ld
cL8OKRBhqB27S5f2C2+oeNGNLoxiLJcLIQydY7f36rS85egQw40SIaAeTsFszKYi9GdDFNYOV7ZyjD5
pHTmFQY6LMs=

- AES128 encrypted need to be value of 'i' and 'i' will be sent with GET method at Payment URL.

6.2 Enquiry Response Parameters

Payment Gateway will return following parameters:

Parameters	Field Description	Type(Length)
BRN	Reference number generated by the bank for the transaction.	Numeric(10)
STC	The status code for this transaction.	Numeric(3)
RMK	The status message for this transaction.	Alphabets
TRN	Unique Transaction ID generated by the aggregator received post completion of transaction.	Alphanumeric Min length – 6 Max length - 40
TET	Transaction Date and Time	DateTime
PMD	The mode of payment which was used for performing transaction.	Alphabets(3)
RID	This Reference ID is used by payment gateway to identify the order while sending request will be sent.	Alphanumeric Min length – 6 Max length – 20
VER	The version of the payment gateway.	Numeric(3) Characters allowed: Numbers, . (dot),
CID	Corporate Id will be sent is a unique identifier generated by Payment Gateway for each activated corporate.	Numeric(4)
TYP	The type of gateway for this transaction.	Alphabets(4)
CRN	Customer Reference Number which was sent while payment request for transaction.	Alphanumeric Min length – 6 Max length – 20
CNY	Currency code in which the transaction was processed. INR – Indian Rupee	Alphabets(3)
AMT	Payment Amount Initiated	Numeric
CKS	Concatenation of (CID + RID + CRN + key) hashed by SHA256 will be sent.	Alphanumeric

- The response will be sent by payment gateway in “GET” method with ‘i’ in encrypted format.
- You need to consume the response and decrypt the encrypted string using the encryption algorithm shared.

Sample Response:

Encrypted response for Enquiry:

```
wBZfLclonHxPaXAU0tot+vCXaKtm5J8Sy1/sKyhN0d2T79gbzssRroYNcs12MSP5HzObobN9kGV+yky1FDIwUE/LyzdxMdF
ScDj9mqIgjLlcfUBmrbShhac9bhdzrD/oUEGDQ1fwI6Sxt90Y7eKEntFx3fEsdDScnW63q9MUPVDO8R7qfTfH67MbS3P1
AyTDFYEplvmGZVf+VFghaffArzZcCctrAhu2MNny85BvGWwpnF/WLQ2QFVBI5p7oVbSCKUrJAZE1695cTTYgZJ2zcPDDj
ypxLky0bNU3zvi0=
```

Plain response for Enquiry:

VER=1.0&RID=1708483&CID=2835&TYP=Test&CRN=6665816&BRN=638939&CNY=INR&AMT=1&STC=000&RMK=Success&TRN=101714505&TET=2017/10/12 12:13:50

PM&PMD=AIB&CKS=a084dcadef40c2c2a44b4668a0e22a19f5afaf75aafba04f1621904339f2fb1c

You need to consume the response from the webservice URL and decrypt the encrypted string using the encryption algorithm shared.

7. Error Codes

Error Code	Error Description	Possible Solution
421	Unauthorised Access	Public IP and Domain Name need to be whitelisted
422	Corp match not found	Public IP and Domain Name need to be whitelisted
423a	Required parameters are missing	The requested 'i' parameter is missing.
423b	Required parameters are missing	Please check the request parameters and encryption done.
424	Duplicate Request or Customer Ref Number already exist	Duplicate values are passed in CRN Parameter which will be allowing unique values by default.
424a	Duplicate Request ID Or RID	RID should be always unique.
425	Checksum error	Unable to decode Checksum requested. Checksum is incorrect.
426	Unable to process/decode request.	Unable to decode Checksum requested. Checksum is incorrect.
427	Amount Mismatch / Invalid Amount	Amount value in PPI parameter and value in AMT parameter is not same
500	Invalid Request	Kindly connect with CMS EasyPay Team