Pine Labs Payment Gateway
API Integration Document V2.0

DOCUMENT VERSION HISTORY

Version	Description	Author
1.0	Initial version	Pine Labs
2.0	Updated version	Pine Labs

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1.1 OVERVIEW OF PINEPG API

1.1.1 Webservice Type: REST Based API

- Request parameters are a collection of key-value pairs of all properties which are required to be sent to Pine PG API.

- Response returned is in JSON and it contains a collection of key-value pairs of properties which describes about the request sent and its status returned in this response.

- Hash- based (SHA256 or Md5) validations using Secret Key shared with merchant.

1.1.1.1 Request API & URL

ENVIRONMENT	REST API	URL	Calling mode
TEST	Inquiry, Capture, Refund	https://uat.pinepg.in/api/PG/V2	HTTP post method(content-type will be x-www-form-urlencoded)
PROD	Inquiry, Capture, Refund	https://pinepg.in/api/PG/V2	HTTP post method(content-type will be x-www-form-urlencoded)

1.1.1.2 Authentication of APIcalls

Each request is authenticated based on following:

- Merchant Access code, parameter name ppc_MerchantAccessCode. Merchant Access code received will be validated at Pine PG.

- Hash of request parameters using Secret key (provided to merchant during merchant registration). Please refer to HashGenerationDocument for hash generation algorithm. Parameters for passing hash and hash type are:

  - ✓ ppc_DIA_SECRET
  - ✓ ppc_DIA_SECRET_TYPE

- Merchant must create the ppc_DIA_SECRET using Secret key, ppc_DIA_SECRET_TYPE and request parameters list and then these request parameters (including generated ppc_DIA_SECRET and ppc_DIA_SECRET_TYPE) must be included in request parameters.

Contains a collection of key-value pairs of all parameters which are required to be sent to Pine PG API

KEY	VALUE	DETAILS	MANDATORY(M)/OPTIONAL(O)
ppc_MerchantID	Greater than zero int32	Shared by Pine Labs on merchant registration.	M
ppc_Amount	String. Greater than zero, in the least currency denominator **(e.g. for INR amount is in Paise)**	It is the amount for which payment transaction is required	M(optional for inquiry)
ppc_DIA_SECRET_TYPE	String	Values: 'SHA256' or 'MD5'	M
ppc_DIA_SECRET	String	Hash of response parameters. Please refer to HashGenerationDocument. Pine PG creates the ppc_DIA_SECRET of the response parameters and sends this information in response as ppc_DIA_SECRET. And you can use this ppc_DIA_SECRET value in Pine PG Response returned from Pine PG API to match with new SECRET generated at your side using other response parameters. And if these two Secrets don't match then data is not Authentic.	M
ppc_UniqueMerchantTxnID	Integer	Merchant transaction id	M(Merchant txn id posted during sale for inquiry and for Refund this will be unique txn id other than sale txn id)
ppc_MerchantAccessCode	String	Shared by Pine Labs on merchant registration.	M

ppc_PinePGTransactionID	Int64 value, it is required for 'Capture', 'Refund' and 'Inquiry' transactions only. So, it must not be supplied in 'Pre Authorization and 'Purchase' transactions.	This is the Pine_PG_Transaction_ID generated by Pine Labs against the orderID of merchant for 'PreAuth' or 'Purchase' type. This is sent to the merchant in response of this transaction. This value is used as input parameter for dependent transactions like 'Capture', 'Refund', 'Inquiry'. This acts as a parent transactionID(only in case of Purchase type)	M(optional for inquiry)
ppc_TransactionType	Integer	Values: 3 for 'Inquiry', 9 for 'Capture', 10 for 'Refund'	M
ppc_CurrencyCode	Integer	Use-356 for INR	M(optional for inquiry)

Hash of request parameters. Please refer to HashGenerationDocument for hash generation algorithm.

Sample request data :-
For inquiry:
ppc_DIA_SECRET=DECF2D9D903BACAF85DA88B5686BC0FB6AB7681673E99191C86B4DC78C27277F&ppc_DIA_SECRET_TYPE=SHA256&ppc_MerchantAccessCode=58ad283b-7c93-4f19-b072-b17e8ecfb20e&ppc_MerchantID=2415&ppc_TransactionType=3&ppc_UniqueMerchantTxnID=100000000000007687
For Refund:
ppc_Amount=10000&ppc_CurrencyCode=356&ppc_DIA_SECRET=1781AE06CAF31A32B79F31B82B140484DD9C1B95CC0DD26C1CB4F1AE0D13C066&ppc_DIA_SECRET_TYPE=SHA256&ppc_MerchantAccessCode=58ad283b-7c93-4f19-b072-b17e8ecfb20e&ppc_MerchantID=2415&ppc_PinePGTransactionID=87943&ppc_TransactionType=10

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Contains a collection of key-value pairs of all parameters which Pine PG will post back in response.

Response parameters for Refund & Inquiry API

KEY	VALUE	DETAILS
ppc_MerchantID	Greater than zero int32	MID through which transaction has been initiated
ppc_MerchantAccessCode	String	MerchantAccessCode used in API request
ppc_UniqueMerchantTxnID	Int32 value	In Response you can find the Merchant Unique transaction ID which you have sent as one of the parameter
ppc_PinePGTxnStatus	Integer	Please refer Pine PG Transaction Status Table
ppc_TransactionCompletionDateTime	DateTime	The date-time of the transaction completion at Pine PG server.
ppc_Amount	String Greater than zero, in the least currency denominator (e.g. for INR amount is in Paise)	It is the amount for which payment transaction is being done.
ppc_TxnResponseCode	Integer	Represent the response status of the API call made to PinePG. For the response status of parent transaction refer ppc_ParentTxnResponseCode and ppc_Parent_TxnStatus
ppc_TxnResponseMessage	String	It is the text corresponding to ppc_TxnResponseCode All ppc_TxnResponseCode and their ppc_TxnResponseMessage. Please refer to Transaction Response Codes and their Meanings (Messages) Table
ppc_AcquirerName	String	Acquirer Name
ppc_PinePGTransactionID	Integer	PinePg transaction ID merchant posted in request.

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ppc_DIA_SECRET	String	Hash of response parameters
ppc_DIA_SECRET_TYPE	String	'SHA256' or 'MD5' and will be the same which is passed in ppc_DIA_SECRET_TYPE parameter of request
ppc_MerchantReturnURL	String	Return Url which you have posted in request
ppc_EMITenureMonth	Integer	Tenure months of EMI transaction
ppc_EMIInterestRatePercent	Integer	Interest rate charged by bank multiplied by 1000
ppc_EMIProcessingFee	Long	Processing Fee of EMI in paisa
ppc_EMIPrincipalAmount	Long	Principal EMI amount in paisa
ppc_EMIAmountPayableEachMonth	Long	EMI Montly installment
ppc_ProductCode	Long	Merchant product Code in case of Brand EMI transaction.
ppc_ProductDisplayName		
ppc_Is_BankEMITransaction	Bool	Flag to indicate bank EMI transaction
ppc_Is_BrandEMITransaction	Bool	Flag to indicate brand EMI transaction
ppc_CapturedAmount	Integer	Total amount captured
ppc_RefundedAmount	Integer	Total amount refunded
ppc_EMICashBackType	Integer	Its value will be 0 or 1 0- Pre cash back 1- Post cash back
ppc_EMIIssuerDiscCashBackPercent	Integer	Issuer Disc or Cash percent applicable in EMI transaction multiplied by 10000
ppc_EMIIssuerDiscCashBackFixedAmt	Long	Issuer Fixed Disc or Cash Amount applicable in EMI transaction in paisa
ppc_EMIMerchantDiscCashBackPercent	Integer	Merchant Disc or Cash percent applicable in EMI transaction multiplied by 10000
ppc_EMIMerchantCashBackFixedAmt	Long	Merchant Fixed Disc or Cash Amount applicable in EMI

		transaction in paisa
ppc_EMITotalDiscCashBackPercent	Integer	Total Disc or Cash percent applicable in EMI transaction multiplied by 10000
ppc_EMITotalDiscCashBackPercentFixedAmt	Integer	Total Fixed Disc or Cash percent applicable in EMI transaction in paisa
ppc_EMITotalDiscCashBackAmt	Integer	Total Disc or Cash amount applicable in EMI transaction in paisa
ppc_EMIAdditionalCashBack	Integer	Additional cashback applicable in EMI transaction in paisa
ppc_EMIAdditionalRewardPoints	Integer	Additional Reward point applicable in EMI transaction. Please refer Pine PG Transaction Status Table
ppc_PaymentMode	Integer 1:CREDIT/DEBIT CARD 2:SAVED CARD 3:NET BANKING 4:EMI 5:REWARDS 6:EZECLICK	Payment mode selected for doing the purchase transaction.
ppc_ADDOnInstantDiscAmt	Integer	Addon Instant disc amt (Not valid for PG)
ppc_OriginalTxnAmt	String. Greater than zero, in the least currency denominator (e.g. for INR amount is in Paise)	This the transaction amount for which purchase transaction was done
ppc_ADDOnInstantDiscPercentage	Interger	Addon Instant Disc percentage(Not valid for PG)
ppc_ADDOnRewardPointMultiplier		Addon reward point multiplier(not valid for PG)
ppc_ADDOnRewardPointsAwarded		Addon reward points awarded(not valid for PG)
ppc_Parent_TxnStatus	Integer, **Status of the Purchase transaction**	Please refer Pine PG Transaction Status Table. This field should be mapped for the response status of Parent

		purchase transaction for which API call is made.
Ppc_ParentTxnResponseCode	Integer, **Response code of the Purchase transaction**	Represent the response of the API request and various integer codes is returned based on the transaction result. This field should be mapped for the response status of Parent purchase transaction for which API call is made.
ppc_ParentTxnResponseMessage	String, Response message of purchase transaction	It is the text corresponding to ppc_TxnResponseCode All ppc_TxnResponseCode and their ppc_TxnResponseMessage. Please refer to Transaction Response Codes and their Meanings (Messages) Table
ppc_ProgramType	Integer	Values: 106 for Brand EMI
ppc_MaskedCardNumber	String	Masked value of card used for purchase transaction
ppc_RwdCustomerMobileNumber	Integer	Mobile number on which rewards have been provided (not valid for PG)
ppc_ISEZEClick	Bool	Flag to indicate whether the transaction was done through ezeclick or not

Note:

1. The status of the Purchase transaction for which an Inquiry API call is made should be incurred from parameters ppc_Parent_TxnStatus and ppc_ParentTxnResponseCode.

Transaction	ppc_Parent_TxnStatus	ppc_ParentTxnResponseCode
Successful Parent Purchase Transaction	4	1

e.g. {"ppc_MerchantID":"2415","ppc_MerchantAccessCode":"4e919e33-e940-49a7-a2ba-ece896b9800a","ppc_PinePGTxnStatus":"7","ppc_TransactionCompletionDateTime":"31/08/2017 05:27:20 PM","ppc_UniqueMerchantTxnID":"107028531080501543","ppc_Amount":"9000000","ppc_TxnResponseCode":"1","ppc_TxnResponseMessage":"SUCCESS","ppc_PinePGTransactionID":"102480","ppc_CapturedAmount":"9000000","ppc_RefundedAmount":"0","ppc_ParentTxnResponseCode":"1","ppc_Parent_TxnStatus":"4",ppc_ParentTxnResponseMessage":"SUCCESS","ppc_AcquirerName":"AMEX","ppc_DIA_SECRET":"72FA164057D4C6E6D0754C16C964566686E63E3BEB3E64BCFB022D41158F777C","ppc_DIA_SECRET_TYPE":"SHA256","ppc_EMITenureMonth":"3","ppc_EMIInterestRatePercent":"12.00","ppc_EMIPrincipalAmount":"9000000","ppc_EMIAmountPayableEachMonth":"3060199","ppc_ProductCode":"24","ppc_Is_BrandEMITransaction":"1","ppc_EMICashBackType":"2","ppc_EMIIssuerDiscCashBackPercent":"0.00","ppc_EMIIssuerDiscCashBackFixedAmt":"0","ppc_EMIMerchantDiscCashBackPercent":"0.00","ppc_EMIMerchantCashBackFixedAmt":"0","ppc_EMITotalDiscCashBackPercent":"4.00","ppc_EMITotalDiscCashBackAmt":"360000","ppc_PaymentMode":"1","ppc_IssuerName":"AMEX"}