Strictly Confidential

BillDesk Payment Gateway

■ **Query API Specifications**

IndiaIdeas.com Limited

Online Transaction Query API

Merchant can query the BillDesk Payment Gateway using the Transaction Query API for the transaction status.

This request is a **server to server** request and the message should be posted to a designated BillDesk URL as a parameter **'msg'** in a pipe separated message format.

REQUEST

Following are values that need to be sent pipe delimited as parameter 'msg' using the HTTP POST method to a designated BillDesk URL:

REQUEST		
Parameter	**Sample Value**	**Description**
RequestType	0122	Fixed value
Merchant ID	ABCD	Fixed Value (as provided by BillDesk)
Customer ID	ARP10234	The Merchant Transaction ID that that was sent in 'CustomerID' in the Payment Request
Current Date/ Time stamp	20130325182510	Current Date/Time stamp at the time of initiating the query request [yyyymmdd24hhmmss]
Checksum	455057528	Checksum computed by Merchant

For example – the 'msg' parameter would contain the following value:

0122|ABCD|ARP10234|20130325182510|455057528

RESPONSE

Following is the response received as an output from BillDesk Payment Gateway.

RESPONSE		
Parameter	**Sample Value**	**Description**
RequestType	0130	Fixed value
MerchantID	ABCD	Fixed Value
CustomerID	ARP10234	Merchant's Unique Transaction Reference

		Number.
TxnReferenceNo	MSBI0412001668	BillDesk Payment Gateway Transaction Reference Number
TxnAmount	94.00	Original TxnAmount
AuthStatus	0300	Successful Transaction [Refer table below to understand the various Auth Status values]
Filler1	NA	Filler field
Refund Status	0699	0699 – Cancellation 0799 – Refund NA – Refund Not Available for this request
TotalRefundAmount	50.00	Total Refund Amount for this transaction
LastRefundDate	20130320	Last Refund Date in YYYYMMDD format
LastRefundRefNo	MSBI04120016681	BillDesk Payment Gateway Refund ID
QueryStatus	Y	Y – Request Successfully Processed N- Invalid Request / Parameters
Checksum	3789267470	Checksum value

Note: Only the key fields have been described in the table above. Refer the 'Message description' below for response message construct.

RequestType|MerchantID|CustomerID|TxnReferenceNo|BankReferenceNo|TxnAmount|Bank ID|BankMerchantID|TxnType|CurrencyName|ItemCode|SecurityType|SecurityID|SecurityPassword|TxnDate|AuthStatus|SettlementType|AdditionalInfo1|AdditionalInfo2|AdditionalInfo3|AdditionalInfo4|AdditionalInfo5|AdditionalInfo6|AdditionalInfo7|ErrorStatus|ErrorDescription|Filler1|RefundStatus|TotalRefundAmount|LastRefundDate|LastRefundRefNo|QueryStatus|CheckSum

For Example:

0130|ABCD|ARP10234|MSBI0412001668|NA|94.00|SPD|22270726|NA|INR|DIRECT|NA|NA|NA|22-03-2013 16:08:56|0300|NA|NA|NA|NA|NA|NA|NA|NA|NA|NA|NA|0699|50.00|20130320|MSBI04120016681|Y|3789267470

Notes:

1. Initiate the Query to the BillDesk platform at least 30 minutes after the transaction initiation.

2. Refer combination of "Auth Status" and "Refund Status" [from the Query API response message] to determine whether the transaction is

(a) Successful
(b) It has been cancelled / refunded [i.e. processed for a refund back to the customer].

3. Your public IP address must be white listed at BillDesk in order to be able to initiate Query API requests to BillDesk

Status Map to be referred for understanding the status of a transaction:

Sr. No	Auth Status	Refund Status	Description
1	0300	0699	Payment status (0300) is success but it has been process for cancellation (0699) i.e. refunded back to customer
2	0300	0799	Payment status (0300) is success and a refund [either partial/full] was initiated for this transaction
3	0300	NA	Payment status (0300) is success and is currently not refunded or cancelled.

The table below explains the various AuthStatus values and its corresponding description:

AuthStatus	**Status Reason**	**Proposed Transaction Status**
"0300"	Success	Successful Transaction
"0399"	Invalid Authentication at Bank	Failed Transaction
"NA"	Invalid Input in the Request Message	Cancel Transaction
"0002"	BillDesk is waiting for Response from Bank	Pending Transaction
"0001"	Error at BillDesk	Cancel Transaction