

## DYNAMIC EVENT NOTIFICATION

CCAVENUE Dynamic Event Notification enables you to register URLs for various events that occurs in your account.

When the event occurs, for example when a successful payment is made in your account, CCAVENUE creates an event object. This object contains all the relevant information, including the type of event and the data associated with that event.

CCAVENUE then sends an HTTP POST request with the event object to URL in your account's webhook settings.

## CONFIGURE URLs FOR EVENTS

The screenshot shows the 'Order Status' configuration page. On the left, there's a sidebar with a tree view of event types: Order Status, Order status echo URL, Order Reconciliation Status, Order Risk Status, Payment Type Status, and Order Status for Recurring Payments. The 'Order Status' node is expanded. The main content area has five sections, each with a 'View Details' link, a brief description, a URL input field containing 'http://', and a 'Save' button:

- Order Status:** Occurs everytime a payment is completed by the customer.
- Order status echo URL:** Send the order status in realtime to an alternate URL.
- Order Reconciliation Status:** Occurs everytime when transaction status is updated in reconciliation.
- Order Risk Status:** Occurs everytime a risk flag is updated for a transaction.
- Payment Type Status:** Occurs everytime a payment option is down or disabled temporarily, or whenever a new payment option is added.

1. **Order Status:** If the merchant does not post a returnUrl, and stores a URL in this section, the customer would be redirected to the page specified here. For eg in invoice payments the CCAVENUE page loads with status of transaction, merchant may choose to display his page.
2. **Order status echo URL:** an asynchronous server to server push of the response parameters is done in real time to this alternate URL.
3. **Order Reconciliation Status:** In case the status of any transaction is not known in real-time, CCAVENUE periodically does an authStatusQuery to the banks (who provide this facility) and if

the status is updated we push the response to the merchant . For the rest of the banks status is posted once the offline recon is done.

4. **Order Risk Status :** Whenever any transaction is flagged as High risk or Low risk we notify the merchant vide this call.
5. **Payment Type Status :** CCAvenue does the health check up of the banks. If we notice any fluctuations /downtime the status is pushed to your server.  
**P.S:** In case your server has not received this notification due to any issues, the payment option may be down for longer than it actually. Hence we recommend you use the JSON call regularly to re-check. CCAvenue also sends email notification for the same. Please share your email ids in case you wish to receive gateway monitoring notifications.

#### RESPONSE HANDLING :

CCavenue will post the response parameter "encResp" through URL-connection (server to server) on the URL provided by the merchant, which contains encrypted value, which is encrypted using merchant's primary url's working key mentioned in MARS panel.

Decryption of the "encResp" can be done at the merchant's end using the Utility provided.

On decryption the parameter string would be "&" separated Key-value pair

For eg : "order\_id","tracking\_id","bank\_ref\_no","order\_status","payment\_mode","currency","amount" etc.

Ex:

order\_id=1324&tracking\_id=20158563255&order\_status=Successful&currency=INR&amount=100.00

#### 1. RESPONSE PARAMETERS FOR ORDER STATUS

Name	Description	Type (length)
order_id	Unique ID sent by the merchant at the time of initiating the transaction.	Alphanumeric (30)
tracking_id	Unique payment reference number generated by CCAvenue for each order.	Numeric (12)
bank_ref_no	Reference number generated by the bank for the transaction.	Alphanumeric
order_status	Status of the transaction.	Alphabets (15)
	Success	
	Failure	
	Aborted	
	Invalid	
failure_message	Reason for failure.	Alphanumeric
payment_mode	Mode of payment used by the customer	Alphabets

	Credit Card	
	Net banking	
	Debit Card	
	Cash Card	
	Mobile Payment	
	Wallet	
	Credit Card EMI	
card_name	The name of the card/bank used by the customer to make the payment. Credit Card - Visa, Mastercard, Amex Netbanking - ICICI, HDFC, SBI etc.	Alphanumeric
status_code	Authorization code received from the bank.	Numeric (3)
status_message	Authorization status message received from the bank.	Alphanumeric (150)
currency	Currency code in which the transaction was processed.	Alphabets (3)
	INR - Indian Rupee	
	USD - United States Dollar	
	SGD - Singapore Dollar	
	GBP - Pound Sterling	
	EUR - Euro, official currency of Eurozone	
amount	Order amount	Numeric (12, 2)
billing_name	Name of the customer	Alphabets (60)
billing_address	Customer's billing address	Alphanumeric (150)
billing_city	Customer's billing city	Alphabets (30)
billing_state	Customer's billing state	Alphabets (30)
billing_zip	Customer's billing zip code	Alphanumeric (15)
billing_country	Customer's billing country	Alphabets (50)
billing_tel	Customer's phone number	Numeric (20)
billing_email	Customer's email address	Alphanumeric (70)
delivery_name	Recipient's name	Alphabets (60)
delivery_address	Shipping address	Alphanumeric (150)
delivery_city	Shipping city	Alphabets (30)
delivery_state	Shipping state	Alphabets (30)
delivery_zip	Shipping zip code	Alphanumeric (15)
delivery_country	Shipping country	Alphabets (50)
delivery_tel	Shipping phone number	Numeric (22)
merchant_param1	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
merchant_param2	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
merchant_param3	Additional information about the transaction sent by the merchant.	Alphanumeric (100)

merchant_param4	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
merchant_param5	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
vault	This parameter can be used if merchant availing the vault option. On using vault functionality if card details are saved at CCAvenue end value returned will be Y. If card details are not saved at CCAvenue end the value returned for this parameter will be N.	Character (1)
offer_type	This parameter can be used for sending additional information if customer has used any discount or promotion while completing the transaction. If customer is using discount-coupon, value of this parameter would be discount. If customer is using promo-code, value of this parameter would be promotion.	Alphabets (9)
offer_code	This parameter can be used for sending additional information about the discount coupon and Promo code used while completing the transaction. If customer has used Discount the value sent would be Discount code. If customer has used Promotion the value sent would be Promo code.	Alphanumeric (30)
discount_value	This parameter can be used for sending additional information about the discounted amount.	Numeric (12,2)

#### RESPONSE PARAMETERS FOR ORDER STATUS ECHO URL

Name	Description	Type (length)
order_id	Unique ID sent by the merchant at the time of initiating the transaction.	Alphanumeric (30)
tracking_id	Unique payment reference number generated by CCAvenue for each order.	Numeric (12)
bank_ref_no	Reference number generated by the bank for the transaction.	Alphanumeric
order_status	Status of the transaction.	Alphabets (15)
	Success	
	Failure	
	Aborted	
	Invalid	

	initiated (please contact CCAvenue support, if this status appears which will arise incase particular card not supported.)	
<b>failure_message</b>	Reason for failure.	Alphanumeric
<b>payment_mode</b>	Mode of payment used by the customer	Alphabets
	Credit Card	
	Net banking	
	Debit Card	
	Cash Card	
	Mobile Payment	
	Wallet	
	Credit Card EMI	
<b>card_name</b>	The name of the card/bank used by the customer to make the payment. Credit Card - Visa, Mastercard, Amex Netbanking - ICICI, HDFC, SBI etc.	Alphanumeric
<b>status_code</b>	Authorization code received from the bank.	Numeric (3)
<b>status_message</b>	Authorization status message received from the bank.	Alphanumeric (150)
<b>currency</b>	Currency code in which the transaction was processed.	Alphabets (3)
	INR - Indian Rupee	
	USD - United States Dollar	
	SGD - Singapore Dollar	
	GBP - Pound Sterling	
	EUR - Euro, official currency of Eurozone	
<b>amount</b>	Order amount	Numeric (12, 2)
<b>billing_name</b>	Name of the customer	Alphabets (60)
<b>billing_address</b>	Customer's billing address	Alphanumeric (150)
<b>billing_city</b>	Customer's billing city	Alphabets (30)
<b>billing_state</b>	Customer's billing state	Alphabets (30)
<b>billing_zip</b>	Customer's billing zip code	Alphanumeric (15)
<b>billing_country</b>	Customer's billing country	Alphabets (50)
<b>billing_tel</b>	Customer's phone number	Numeric (20)
<b>billing_email</b>	Customer's email address	Alphanumeric (70)
<b>delivery_name</b>	Recipient's name	Alphabets (60)
<b>delivery_address</b>	Shipping address	Alphanumeric (150)
<b>delivery_city</b>	Shipping city	Alphabets (30)
<b>delivery_state</b>	Shipping state	Alphabets (30)
<b>delivery_zip</b>	Shipping zip code	Alphanumeric (15)
<b>delivery_country</b>	Shipping country	Alphabets (50)
<b>delivery_tel</b>	Shipping phone number	Numeric (22)
<b>merchant_param1</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)

<b>merchant_param2</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>merchant_param3</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>merchant_param4</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>merchant_param5</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>vault</b>	This parameter can be used if merchant availing the vault option. On using vault functionality if card details are saved at CCAvenue end value returned will be Y. If card details are not saved at CCAvenue end the value returned for this parameter will be N.	Character (1)
<b>offer_type</b>	This parameter can be used for sending additional information if customer has used any discount or promotion while completing the transaction. If customer is using discount-coupon, value of this parameter would be discount. If customer is using promo-code, value of this parameter would be promotion.	Alphabets (9)
<b>offer_code</b>	This parameter can be used for sending additional information about the discount coupon and Promo code used while completing the transaction. If customer has used Discount the value sent would be Discount code. If customer has used Promotion the value sent would be Promo code.	Alphanumeric (30)
<b>discount_value</b>	This parameter can be used for sending additional information about the discounted amount.	Numeric (12,2)

#### RESPONSE PARAMETERS FOR ORDER RECONCILIATION STATUS

Name	Description	Type (length)
<b>order_id</b>	Unique ID sent by the merchant at the time of initiating the transaction.	Alphanumeric (30)
<b>tracking_id</b>	Unique payment reference number generated by CCAvenue for each order.	Numeric (12)
<b>bank_ref_no</b>	Reference number generated by the bank for the transaction.	Alphanumeric
<b>order_status</b>	Status of the transaction.	Alphabets (15)
	Successful/Shipped	

	Unsuccessful	
	Auto-Reversed	
<b>failure_message</b>	Reason for failure.	Alphanumeric
<b>payment_mode</b>	Mode of payment used by the customer	Alphabets
	Credit Card	
	Net banking	
	Debit Card	
	Cash Card	
	Mobile Payment	
	Wallet	
	Credit Card EMI	
<b>card_name</b>	The name of the card/bank used by the customer to make the payment. Credit Card - Visa, Mastercard, Amex Netbanking - ICICI, HDFC, SBI etc.	Alphanumeric
<b>status_code</b>	Authorization code received from the bank.	Numeric (3)
<b>status_message</b>	Authorization status message received from the bank.	Alphanumeric (150)
<b>currency</b>	Currency code in which the transaction was processed.	Alphabets (3)
	INR - Indian Rupee	
	USD - United States Dollar	
	SGD - Singapore Dollar	
	GBP - Pound Sterling	
	EUR - Euro, official currency of Eurozone	
<b>amount</b>	Order amount	Numeric (12, 2)
<b>billing_name</b>	Name of the customer	Alphabets (60)
<b>billing_address</b>	Customer's billing address	Alphanumeric (150)
<b>billing_city</b>	Customer's billing city	Alphabets (30)
<b>billing_state</b>	Customer's billing state	Alphabets (30)
<b>billing_zip</b>	Customer's billing zip code	Alphanumeric (15)
<b>billing_country</b>	Customer's billing country	Alphabets (50)
<b>billing_tel</b>	Customer's phone number	Numeric (20)
<b>billing_email</b>	Customer's email address	Alphanumeric (70)
<b>delivery_name</b>	Recipient's name	Alphabets (60)
<b>delivery_address</b>	Shipping address	Alphanumeric (150)
<b>delivery_city</b>	Shipping city	Alphabets (30)
<b>delivery_state</b>	Shipping state	Alphabets (30)
<b>delivery_zip</b>	Shipping zip code	Alphanumeric (15)
<b>delivery_country</b>	Shipping country	Alphabets (50)
<b>delivery_tel</b>	Shipping phone number	Numeric (22)
<b>merchant_param1</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)

<b>merchant_param2</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>merchant_param3</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>merchant_param4</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)
<b>merchant_param5</b>	Additional information about the transaction sent by the merchant.	Alphanumeric (100)

#### RESPONSE PARAMETERS FOR ORDER RISK STATUS

Name	Description	Type (length)
<b>order_id</b>	Unique ID sent by the merchant at the time of initiating the transaction.	Alphanumeric (30)
<b>tracking_id</b>	Unique payment reference number generated by CCAvenue for each order.	Numeric (12)
<b>risk_status</b>	High - High Risk  Low - Low Risk  NR - No Risk  GA - Go Ahead	Alphanumeric
<b>risk_reason</b>	Transaction originated from High Risk Country List.  Billing Tel number is in our negative database.  Shipping Tel Number is in our negative database.  Customer country does not match Country where Card was issued.  Customer IP is an open proxy IP.  Email Id is in our negative database.  Card is in our negative database.  Transaction did not originate from Country where Card was issued.	Alphanumeric

	Customer is using a free email service provider.	

#### RESPONSE PARAMETERS FOR PAYMENT TYPE STATUS

Name	Description	Type (length)
<b>card_name</b>	The name of the card/bank used by the customer to make the payment. Credit Card - Visa, Mastercard, Amex Netbanking - ICICI, HDFC, SBI etc.	Alphanumeric
<b>payment_option</b>	Payment option used by the customer	Alphanumeric
	Credit Card	
	Net banking	
	Debit Card	
	Cash Card	
	Mobile Payment	
	Wallet	
	Credit Card EMI	
<b>current_status</b>	Current status of the gateway	Alphabets
	ACTI - Active	
	FLCT - Fluctuate	
	INAC - Inactive	
	DOWN - Down	
	NEW - Newly added Payment option.	