

Karnival Suite Api Documentation

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Api for Bill Posting.

REST URL:

POST <https://test.knvl.me/api/v1/bills>

Request Headers:

Content-Type: application/json

Accept: application/json

Authorization: will be shared separately

Request Body In JSON (UTF-8 encoded json):

```
{
  "posInfo": {
    "posNumber": "string",
    "userId": "string",
    "userName": "string"
  },
  "billInfo": {
    "billNumber": "string",
    "billStatus": "string",
    "billType": "string",
    "purchaseDate": "string",
    "purchaseTime": "string",
    "comfortCallDate": "string",
    "comfortCallTime": "string",
    "linkedBill": "string",
    "salesOrderNumber": "string",
    "fittingCharges": "string",
    "placeOfSupply": "string",
    "salesChannel": "string",
    "employeeId": "string",
```

POS and Information about the Cashier at point of sale

posNumber - POS terminal Identification Number.

userId - user ID of logged-in user

userName - User name of logged in user.

Information about the Invoice

BillNumber:- Bill Number/invoice Number Should be unique Across the brand. **(Mandatory Field)**

BillStatus:- sent/paid/overdue.

BillType:tax_invoice/return_invoice/exchange_invoice/sales_order

purchaseDate:- DD-MM-YYYY date of Billing

purchaseTime:- Time of billing in HH:MM:SS 24 hour format (Eg. 16:40:20)

ComfortCall: If there is some future delivery or Follow up with the customer.

Linkedbill:-Applicable in case of return invoice.

Invoice number against which return invoice is being generated.

```

"employeeName": "string",
"transactionNumber": "string",
"invoiceReferenceNumber": "string",
"dynamicQrCode": "string",
"trackingNo": "string",
"courierBookingDate": "string",
"courierName": "string",
"expectedDeliveryDate": "string",
"linkedBillDateTime": "string",
"salesOrderDateTime": "string",
"courierReferenceNo": "string",
"courierDestination": "string",

```

```

"invoiceAddresses": [
  {
    "address1": "string",
    "address2": "string",
    "address3": "string",
    "addressType": "string",
    "area": "string",
    "buildingNo": "string",
    "country": "string",
    "customerID": "string",
    "email": "string",
    "firstName": "string",
    "flatNo": "string",
    "lastName": "string",
    "middleName": "string",
    "phone1": "string",
    "phone2": "string",
    "postalCode": "string",
    "region": "string",
    "state": "string",
    "city": "string",
    "stateCode": "string",
    "taxCertificate": "string"
  }
]

```

SalesorderNumber:- If the bill type is a sales order, then Instead of BillNumber we should mention SalesOrderNumber.

Fitting charge:- if we are charging extra charge eg. Delivery charge.

PlaceofSupply- State Code/State name of Delivery

Sales Channel- Source channel of sale

(ecom,app,omni,offline)

Employee id and name- Store sales manager details.

transactionNumber: If the invoice has Transaction Number.

invoiceReferenceNumber: IRN number(Incase of b2b invoice)

dynamicQrCode:- b2bQRcode

trackingNo: Courier Tracking Number.

courierBookingDate: Booking date of Courier.

courierName: Courier name (Eg. Bluedart,Fedex)

expectedDeliveryDate: Expected date of Delivery.

linkedBillDateTime: date time of reference bill.

salesOrderDateTime: date time of sales order number.

courierReferenceNo: reference Number of courier(Eg. Shipment number)

invoiceAddresses (OPTIONAL): Its delivery address.

Applicable on home delivery orders. We have customer address details(billing address) in customer info.

```

    },
    "customerInfo": {
      "customerAddress": {
        "addressString": "string",
        "city": "string",
        "country": "string",
        "description": "string",
        "landmark": "string",
        "latitude": 0,
        "longitude": 0,
        "pincode": 0,
        "state": "string",
        "stateCode": "string"
      },
      "customerEmail": "string",
      "customerId": "string",
      "customerName": "string",
      "customerLastName": "string",
      "customerFirstName": "string",
      "customerGender": "string",
      "customerSalutation": "string",
      "anniversary": "string",
      "dob": "string",
      "customerNumber": "string",
      "customerGstn": "string",
      "loyaltyDescription": "string",
      "loyaltyNumber": "string",
      "attributes": {
        "additionalProp1": "string",
        "additionalProp2": "string",
        "additionalProp3": "string"
      }
    },
  },

```

```

"items": [
  {
    "lineitemno": "string",
    "brand": "string",
    "code": "string",
    "description": "string",
    "itemBarcode": "string",
    "mrp": "string",
    "sellingPrice": "string",
    "quantity": "string",
    "uom": "string",
    "expiryDate": "string",
    "categoryId": "string",
    "categoryName": "string",

```

Customer Information here
Address of customer

Customer GSTIN:-If a customer asks for a GST bill.
loyaltyNumber:(Loyalty phone number)if customer has loyalty points attached to different phone number.Send that phone number here
loyaltyDescription:- Name of enrolled loyalty program.

Attributes for any additional information. Related to customers.

Items Information in Array Format
(Mandatory Field- At Least one item must be pass)

lineItemNo: Sr. number of item in the bill
Code: unique Item code
Brand:- item's brand name
Description: Item name
itemBarcode: Item barcode Number.
Mrp (Optional): Unit mrp of an item (written on item label)
sellingPrice:- Rate per item before discount
Quantity:- Nos of Items
UOM:- Unit of measure
expiryDate:- Expiry date of item.

```

"productType": "string",
"subcategoryId": "string",
"subcategoryName": "string",
"itemColor": "string",
"itemSize": "string",

"multiDiscounts": [
  {
    "discountableAmount": "string",
    "percentage": "string",
    "amount": "string",
    "description": "string",
    "discountRefNo": "string",
    "discountType": "string",
    "attributes": {
      "additionalProp1": "string",
      "additionalProp2": "string",
      "additionalProp3": "string"
    }
  }
],

"amount": "string",
"hsnCode": "string",

"taxes": [
  {
    "taxableAmount": "string",
    "code": "string",
    "description": "string",
    "percentage": "string",
    "amount": "string"
  }
],

"approverInfo": {
  "approverName": "string"
},
"attributes": {
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
},
"deliveryDate": "string",
"deliveryType": "string",
"warrantyInfo": {
  "serial": "string",
  "description": "string",
  "validity": "string",
  "warrantyTimeUnit": "string",

```

multiDiscounts: To send all the discount applied on the item

discountableAmount:- Amount over which discount is calculated.

Percentage:- % of Discount

Amount: Discount amount

Description: Discount name eg. Buy one get one, 20% off.

discountType:- Eg. First time customer, Seasonal, New year offer.

discountRefNo:- discount ref number/discount id.

Attributes:- Any additional info about discounts can be sent through this.

amount: Final item price (Quantity * sellingPrice - item discount value)

hsnCode: Govt Tax code for particular item.

Tax info

taxableAmount:- Amount over which tax has been calculated. It should be the amount which we have calculated above HSNcode.

CODE:- Applicable if we are using particle code for tax code.

Description:- Tax description. (CGST/SGST/IGST/VAT/ CESS)

Percentage:- Tax Percentage.

Amount:- Tax amount

approverInfo: sales assistant name if applicable

Attributes: To send additional item info as second language text etc.

Deliverydate and type:- if individual items have individual delivery date and type.

Warranty Info:-

To display warranty attached to the item

```

        "endDate": "string"
    }
}
],

"attributes": {
    "additionalProp1": "string",
    "additionalProp2": "string",
    "additionalProp3": "string"
},

"barCode": {
    "attributes": {
        "additionalProp1": "string",
        "additionalProp2": "string",
        "additionalProp3": "string"
    },
    "code": "string"
},

```

```

"paymentInfo": {
    "paidAmount": "string",
    "paidAmountInWords": "string",
    "totalTender": "string",
    "roundoff": "string",
    "roundedOffAmount": "string",
    "changeDue": "string",
    "paymentStatus": "string",
    "baseCurrency": "string",
    "netDue": "string",
    "balanceAmount": "string",
    "advanceAmount": "string",

```

```

"paymentMode": [
    {
        "amount": "string",
        "mode": "string",
        "code": "string",
        "accountNumber": "string",

```

Attributes:- To provide special/customize inputs Common attribute.

“billMode” to be sent via this **attribute** with following value “PAPER-BILL”, “E-BILL” or PAPER-E-BILL **(Important)**

Barcode:- barcode Info.

Attribute:- Any info if you want to pass. eg. Invoice number

Code:- Barcode Number.

paidAmount: Final amount to be paid for the bill after roundoff.

paidAmountInWords:- Paid amount in words.

totalTender: Value of total tender given by customer. Applicable only for cash.

Roundoff: Amount before rounding off original bill amount.

roundedOffAmount: Paid amount- Round off.

Eg. If the sum of items amount is 500.90 then round off is 500.9 and paid amount is 501 and +.10 is rounded off amount.

changeDue: change to be returned to customer

Paymentstatus:- final bill payment status.

baseCurrency:- Base currency of stores.

netDue - NA

balanceAmount - balance after Advance payment.

advanceAmount- Advance Amount if applicable.

Information about mode of payment, array in case of multiple mode of payment

Amount: Amount paid through this mode

Mode:- GIFT CARD, Credit card, Cash, payTm etc. (Name of payment mode)

Code: Payment code. If brand uses particular code of

```

    "subTenderType": "string",
    "currency": "string",
    "currencyCode": "string",
    "currencyAmount": "string",
    "exchangeRate": "string",
    "quantityOfCurrency": "string",
    "authorizationCode": "string",
    "transactionNo": "string",
    "paymentStatus": "string",
    "paymentType": "string",
    "details": {
      "additionalProp1": "string",
      "additionalProp2": "string",
      "additionalProp3": "string"
    }
  }
],
},

```

```

"otherDiscounts": [
  {
    "amount": "string",
    "attributes": {
      "additionalProp1": "string",
      "additionalProp2": "string",
      "additionalProp3": "string"
    },
    "description": "string",
    "discountableAmount": "string",
    "discountRefNo": "string",
    "discountType": "string",
    "percentage": "string"
  }
],
"offers": [
  {
    "amount": "string",
    "campaignId": "string",
    "code": "string",
    "description": "string",
    "discountId": "string",
    "type": "string",
    "validFrom": "string",
    "validTill": "string"
  }
],
"creditNotes": [

```

particular mode of payment. Eg. A - cash, B- card, C- Gift

accountNumber: masked number of credit/debit etc. we want to display

Subtendor type- type of card, subtype of mode.

authorizationCode: Success machine code (in case of debit/credit cards)

Currency:- indian rupees/Kuwait dinar.

Currencycode:- INR/USD/₹/\$

Currency amount :- NA

Exchange rate:- Rate to convert in base currency

Quantity Of Currency:- Amount of Currency we want to exchange.

transactionNo:- transaction ref number of the payment.

Paymentstatus:- mode level payment status.

paymentType:- in case of advance payment have to use.

Details:- Additional info about payment mode.

On top of item level discount if any bill level discount is applied we can send the information here, use it same way as previously described multidiscount

Send **offers/coupons** along with the bill, with validity and description

Send **credit note** along with the bill, with validity and description

```

{
  "amount": "string",
  "code": "string",
  "description": "string",
  "type": "string",
  "validFrom": "string",
  "validTill": "string"
}
],
"store": {
  "storeId": "string",
  "displayName": "string",
  "city": "string",
  "state": "string",
  "displayAddress": {
    "addressString": "string",
    "city": "string",
    "country": "string",
    "description": "string",
    "landmark": "string",
    "latitude": 0,
    "longitude": 0,
    "pincode": 0,
    "state": "string",
    "stateCode": "string"
  },
  "storeName": "string",
  "zone": "string",
  "officialEmail": "string",
  "fax": "string",
  "gstIn": "string",
  "primaryContactNumber": "string",
  "registeredAddress": {
    "addressString": "string",
    "city": "string",
    "country": "string",
    "description": "string",
    "landmark": "string",
    "latitude": 0,
    "longitude": 0,
    "pincode": 0,
    "state": "string",
    "stateCode": "string"
  },
  "registeredName": "string",
  "customerCareEmail": "string",
  "customerCareNumber": "string",
  "secondaryContactNumbers": [
    "string"
  ],
  "attributes": {

```

Store Id :- Store Id (Mandatory Field)

Store Address to be displayed in top of the bill

Displayname:- Name of the store to be displayed

store name- Dashboard reporting name of store

Zone- zone of store.

GSTIN:- GSTIN Number/VAT etc.

```

        "additionalProp1": "string",
        "additionalProp2": "string",
        "additionalProp3": "string"
    }
},

"taxes": [
    {
        "amount": "string",
        "code": "string",
        "description": "string",
        "percentage": "string",
        "taxableAmount": "string"
    }
],

"subTotal": "string",
"totalIncTax": "string",
"totalQuantity": "string",
"totalSaving": "string",
"itemCount": "string",
"brandConstant": "string",
"totalWithoutDiscount": "string",
"totalTax": "string"
}

```

To send Final tax summary of the bill aggregating all the item level tax information

CODE:- Applicable if we are using particle code for tax code.

Description:- CGST /SGST will go to.

Tax Summary

Tax	Taxable Amt	Rate	Tax Amount
CGST	₹1,342.85	6.00%	₹80.57
SGST	₹1,342.85	6.00%	₹80.57

Subtotal :- Before tax amount.

totalinctax:Final bill amount including tax

Total quantity:total quantity of items sold.

Total savings: total savings for customer in this bill

itemCount: no of total type of item sold.

brandConstant:- unique identification for a brand, could be brand name or brand code.(to prevent wrong data flow)

totalWithoutDiscount: Bill value before bill level discount (inclusive tax)

totalTax: "string"

Response

Http status code : 201 (Created)

(When Bill is created at Karnival Side)

Body

Bill is created (Email and SMS notification will be sent)

```

{
    "status": "success",
    "message": "Entity has been saved.",
    "responseCode": 200,
}

```



```
"params": {
  "entity.id": "5f3102376f10e83a65c0a03c",
  "bill.url": "https://***.knvl.me/az/*****"
},
"mobileValid": true,
"emailValid": true
}
```

Bill gets created and delivered via email but no sms notification will be sent, as mobile number is invalid

```
{
  "status": "success",
  "message": "Entity has been saved.",
  "responseCode": 11,
  "params": {
    "entity.id": "5f3102376f10e83a65c0a03c",
    "bill.url": "https://***.knvl.me/az/*****"
  },
  "mobileValid": false,
  "emailValid": true
}
```

Bill gets created and delivered via phone number but no email notification will be sent, as email is invalid

```
{
  "status": "success",
  "message": "Entity has been saved.",
  "responseCode": 12,
  "params": {
    "entity.id": "5f3102376f10e83a65c0a03c",
    "bill.url": "https://***.knvl.me/az/*****"
  },
  "mobileValid": true,
  "emailValid": false
}
```

Bill gets created but no sms or email notification will be sent

```
{
  "status": "success",
```

```

    "message": "Entity has been saved.",
    "responseCode": 13,
    "params": {
        "entity.id": "5f3102376f10e83a65c0a03c",
        "bill.url": "https://***.knvl.me/az/*****"
    },
    "mobileValid": false,
    "emailValid": false
}

```

Response Codes

```

11 :    If mobile number provided in request is invalid
12 :    If email id provided in request is invalid
13 :    If mobile number and email id both provided in request are invalid
200:    No error

```

Http status code : 208 (Already Reported)

(When Bill with provided Bill Number is already created at Carnival Side and same Bill Number is tried again)

```

{
    "status": "failed",
    "message": "Bill has already been posted on Server.",
    "responseCode": 208
}

```

Http status code : 401 (Unauthorized)

(When Carnival Authentication Key in the headers is missing or wrong)

```

{
    "status": "failed",
    "message": "Bill Request does not have a valid Authentication Key",
    "responseCode": 401
}

```

Http status code : 400 (Bad Request)

(When Bill request does not have mandatory fields or contains JSON errors)

Missing Store Id (Bill is not created)

```
{
  "status": "failed",
  "message": "Store Id must be present",
  "responseCode": 10
}
```

Missing BillNumber and Sales Order Number (Bill is not created)

```
{
  "status": "failed",
  "message": "Bill Number or Sales Order Number must be present",
  "responseCode": 40
}
```

*Mandatory fields are

1. Store ID
2. Bill Number or Sales Order number (at least one of them should have value)

Response Codes

10 : If store id is missing from request

40 : Bill Number and SalesOrder Number, both are missing from request

API for Resend Notification

Rest Url

POST http://test.knvl.me/api/v1/bills/resend-notification?invoice_id={bill number}&store_id={store id}&mobile={mobile}&email={email}

mobile and **email** Request Params are optional

- If **mobile** param is sent in the request, we will send bill invoice to the provided mobile
- If **email** param is sent in the request, we will send bill invoice to the provided email
- If both **mobile** and **email** params are sent in the request, we will send bill invoice to both the provided details
- If **both** params are missing, we will resend the bill invoice to the original email and mobile provided in the bill request, if any.

Request Headers:

--header '**Content-Type**: application/json'

--header '**Accept**: application/json'

--header '**Authorization**:

Response

Http status code: 200 (Ok)

Success Response (Notifications are retrIGGERED)

```
{
  "status": "success",
  "message": "Successfully submitted request for email: true sms: false",
  "responseCode": 200
}
```

Http status code : 400 (Bad Request)

Failure Response - Wrong/Missing Store Id (Notifications are not triggered)

```
{
  "status": "failed",
  "message": "Store not available",
  "responseCode": 10
}
```

Http status code : 400 (Bad Request)

Failure Response - Mobile Number and Email both were missing in the original Bill Request (Notifications are not triggered)

```
{
  "status": "failed",
  "message": "Mobile number and email id both not exists",
  "responseCode": 60
}
```

Http status code : 400 (Bad Request)

Failure Response - Missing/Wrong Invoice Number (Notifications are not triggered)

```
{
  "status": "failed",
  "message": "Invalid invoice number",
  "responseCode": 70
}
```

10 : If store id is wrong from request

60 : If email and mobile, both are missing from customer info in request

70 : If invoice number provided in request is not found in KARNIVAL system

Http status code : 401 (Unauthorized)

(When Karnival Authentication Key in the headers is missing or wrong)