**Summary**

**Steps involved in the Courier integration**

**Step 1: Search for Available Couriers Available : Here user would choose one of the courier and corresponding service based on Price, Available Pick up date,delivery time.**

**Step 2 : Create Abandoned Shipment**

**Step 3: Create Abandoned Order**

**Step 4: Redirect to Payment gateway URL**

**Step 5: Read response from Payment Gateway**

**Step 6 : Get CourierOrderInfo**

**Prerequisites**:

Test API URL : [**api.couriers.vello.in**](http://api.couriers.vello.in/)

Test Payment Gateway url : http://payment.vello.in

user\_id : Will be generated and shared by ZEPO

api\_key : Will be generated and shared by ZEPO

secret\_key : Will be generated and shared by ZEPO

payment-service-id : will be provided by ZEPO (You need to tell us your returnSucccessUrl and returnFailureUrl so that we can configure payment-service-id for you)

Test Paytm credentials.

|  |  |  |
| --- | --- | --- |
| Mobile Number – |  | 7777777777 |
| Password – |  | Paytm12345 |

Zepo Couriers's API uses a custom Authorization header that is to be passed with each request to provide authentication.

How to Create an Authenticated Request

Authentication information should be provided in the "Authorization" header

Authorization has the following format

Authorization: SHIPIT <API-KEY>:<SIGNATURE>

The Signature are as follows

Signature = Base64.Encode(HmacSHA1 (UTF-8-Encode(StringToSign)))

StringToSign = <Http-Verb>+"\n"+<RequestURI, Including querystrings>

Note: UTF-8 encoded character of "\n" should be "%0A" which is the equivalent encoding of the newline character. Some encoders available online donot recognize "\n" as a newline character.The HmacSHA1 of the StringToSign should be created using for signing.

Finally, Base64 encode this HmacSHA1 and add it in the Authorization header.

The String "SHIPIT" is part of the Authorization header and identifies this header as the custom authorization header.

Sample Request(Example) :

RequestURL - http://api.couriers.vello.in/users/163/pincodeservice/rate

1) String to Sign : POST\n/users/163/pincodeservice/rate

2) Url encoding - POST%0A%2Fusers%2F163%2Fpincodeservice%2Frate

3) Hash - 547805eea4f594a22ecdb9c3056f33c5574cdc8c

4) Base 64 - NTQ3ODA1ZWVhNGY1OTRhMjJlY2RiOWMzMDU2ZjMzYzU1NzRjZGM4Yw==

Final authentication header

Authorization: SHIPIT 06bd027a79eeeff5b66cbf6961f84e2:NTQ3ODA1ZWVhNGY1OTRhMjJlY2RiOWMzMDU2ZjMzYzU1NzRjZGM4Yw==

content-type: application/json

Sample Codes in PHP

1)[Header](https://docs.google.com/document/d/1AhjEn-4l8Np_ZN44IH9BBY0FY3lWQ7axrd5eR0AhGwQ/edit)

**FAQ Technical :**

[Please click here to view the technical FAQ’s](https://docs.google.com/document/d/1NsslWf-IO8Hvn24Ej_Ts2wVzdY0fsBf6aYT6ScdSUnc/edit)

**FAQ Operational :**

[Please click here to view the operational FAQ’s](https://docs.google.com/document/d/1nXgue8b48YT9i_f5upnPPGj_mM0bBEYVMZFnfeThG6E/edit)

**What is a payment service id? Why do we need it and what are the prerequisites?**

Payment service id will be required while you redirecting to payment gateway.

Prerequisite :

The payment service will be shared within 3 days once you share the success and failure url of your website.

Example :

{payment-gateway-url}/pg/{payment-service-id}/payment

Success Url : http://bulkhouse.in/marketplace/shipment/paytmsuccess

Failure Url : http://bulkhouse.in/marketplace/shipment/paytmfailure

**Step 1: Search for Available Couriers Available : Here user would choose one of the courier and corresponding service based on Price, Available Pickup date,delivery time.**

{api-url}/users/{user\_id}/pincodeservice/rate

Here Payment\_mode would be cod or online.

Insurance would be true or false.

Content-Type:application/json

Validations

1. Pincode should be 6 digits only
2. Invoice value should be more than 0 and no decimals allowed
3. Payment mode should be cod or online. Mandatory.
4. Weight should be more than 0 and less than equal to 70kg
5. Dimensions are cm. Value should be greater than 1 and decimals are allowed.

Request Body

{"pickup\_pincode":400080,

"delivery\_pincode":400080,

"invoice\_value":1,

"payment\_mode":"online",

"insurance":"false","number\_of\_package":1,

"package\_details":

[{

"package\_content":"Description",

"no\_of\_items":1,

"invoice\_value":1,

"package\_dimension":

{

"weight":1,

"height":11,

"length":11,

"width":11

}

}],

"product\_type":"Parcel"

}

Sample Response

Here in this response, we would need Courier\_id, Service\_id, service\_type. This parameters would be needed in next request

{

"success": true,

"code": 200,

"user\_id": 98,

"display\_weight": 1,

"display\_volumetric\_weight": 0,

"display\_services": "Prepaid",

"credit\_amount": 0,

"security\_deposit\_amount": 0,

"security\_deposit\_to\_pay": 2000,

"pickup\_details": {

"pincode": "400080",

"city": "Mumbai",

"state": "Maharashtra",

"country": "India"

},

"delivery\_details": {

"pincode": "400080",

"city": "Mumbai",

"state": "Maharashtra",

"country": "India"

},

"couriers": [

{

"name": "Fedex",

"courier\_id": 1,

"logo\_url": "http://cdntest.zepo.in.s3.amazonaws.com/ving\_images/fedex.png",

"exp\_pickup\_date": "16/06/2016",

"cut\_off\_Time": "15:00",

"pickup\_success\_rate": "93",

"form\_required": "0",

"form\_link": "http://www.zepo.in/blog/2014/03/20/mystery-behind-shipping-forms-busted/",

"service\_types": [

{

"service\_id": 1,

"service\_name": "PRIORITY",

"display\_name": "Priority",

"expected\_delivery\_days": 3,

"rate\_breakup": {

"base\_rate": 56,

"fuel\_surcharge": 24,

"service\_tax": 12,

"other\_charges": 0,

"insurance\_charges": 0,

"COD\_charges": 0,

"sub\_total": 80,

"service\_charge": 0,

"total\_charge": 92,

"credit\_amount": 0,

"security\_deposit\_amount": 0,

"security\_deposit\_payable": 0

}

},

{

"service\_id": 2,

"service\_name": "STANDARD",

"display\_name": "Standard",

"expected\_delivery\_days": 5,

"rate\_breakup": {

"base\_rate": 35,

"fuel\_surcharge": 16,

"service\_tax": 7,

"other\_charges": 0,

"insurance\_charges": 0,

"COD\_charges": 0,

"sub\_total": 51,

"service\_charge": 0,

"total\_charge": 58,

"credit\_amount": 0,

"security\_deposit\_amount": 0,

"security\_deposit\_payable": 0

}

}

]

},

{

"name": "Aramex",

"courier\_id": 2,

"logo\_url": "http://cdntest.zepo.in.s3.amazonaws.com/ving\_images/aramex.png",

"exp\_pickup\_date": "16/06/2016",

"cut\_off\_Time": "17:00",

"pickup\_success\_rate": "80",

"form\_required": "0",

"service\_types": [

{

"service\_id": 4,

"service\_name": "STANDARD",

"display\_name": "Standard",

"expected\_delivery\_days": 5,

"rate\_breakup": {

"base\_rate": 56,

"fuel\_surcharge": 24,

"service\_tax": 12,

"other\_charges": 0,

"insurance\_charges": 0,

"COD\_charges": 0,

"sub\_total": 80,

"service\_charge": 0,

"total\_charge": 92,

"credit\_amount": 0,

"security\_deposit\_amount": 0,

"security\_deposit\_payable": 0

}

}

]

},

{

"name": "Delhivery",

"courier\_id": 4,

"logo\_url": "http://cdntest.zepo.in.s3.amazonaws.com/ving\_images/delhivery.png",

"exp\_pickup\_date": "17/06/2016",

"cut\_off\_Time": "12:00",

"pickup\_success\_rate": "80",

"form\_required": "0",

"service\_types": [

{

"service\_id": 6,

"service\_name": "STANDARD",

"display\_name": "Standard",

"expected\_delivery\_days": 5,

"rate\_breakup": {

"base\_rate": 56,

"fuel\_surcharge": 24,

"service\_tax": 12,

"other\_charges": 0,

"insurance\_charges": 0,

"COD\_charges": 0,

"sub\_total": 80,

"service\_charge": 0,

"total\_charge": 92,

"credit\_amount": 0,

"security\_deposit\_amount": 0,

"security\_deposit\_payable": 0

}

}

]

},

{

"name": "Dotzot",

"courier\_id": 6,

"logo\_url": "http://cdntest.zepo.in.s3.amazonaws.com/ving\_images/dotzot.png",

"exp\_pickup\_date": "16/06/2016",

"cut\_off\_Time": "15:00",

"pickup\_success\_rate": "10",

"form\_required": "0",

"service\_types": [

{

"service\_id": 10,

"service\_name": "STANDARD",

"display\_name": "Standard",

"expected\_delivery\_days": 6,

"rate\_breakup": {

"base\_rate": 56,

"fuel\_surcharge": 24,

"service\_tax": 12,

"other\_charges": 0,

"insurance\_charges": 0,

"COD\_charges": 0,

"sub\_total": 80,

"service\_charge": 0,

"total\_charge": 92,

"credit\_amount": 0,

"security\_deposit\_amount": 0,

"security\_deposit\_payable": 0

}

}

]

}

]

}

**Step 2 : Create Abandoned Shipment**

{api-url}/users/{user\_id}/pickup

Validations

1. Pincode should be 6 digits only
2. Invoice value should be more than 0 and no decimals allowed
3. Payment mode should be cod or online. Mandatory.
4. Weight should be more than 0 and less than equal to 70kg
5. Dimensions are cm. Value should be greater than 1 and decimals are allowed.

Here Payment\_mode would be cod or online.

Insurance would be true or false.

Here, we would need Courier\_id, Service\_id, Service\_type from previous request.

Request

Content-Type:application/json

Sample Response

{

"success": false

"code": 200

"shipment\_id": 1231

"insurance": false

"shipmentPackages": [1]

0: {

"package\_detail": {

"no\_of\_items": 4

"package\_content": "Sample Books"

"invoice\_value": 200

"package\_dimension": {

"weight": 0.5

"length": 11

"width": 11.1

"height": 11.2

}-

"volumetric\_weight": 0

}-

"status\_id": 2

"status": "Abandon"

}-

-

}

**Step 3: Create Abandoned Order**

{api-url}/orders

POST

Request:

{

"shipmentIds":[245],

"user\_id":"98",

"udf1":"ORDERCODE",

"Udf2":"can be used if required",

"Udf3":"can be used if required"

}

Response:

{

"success": true

"order\_code": "CM6460465144"

"no\_of\_shipment": 0

}

**Step 4: Redirect to Payment gateway URL**

{payment-gateway-url}/pg/{payment-service-id}/payment

Request

POST

{

"pg":"paytm",

"orderCode":"PX2462469266"

}

Sample urls

successUrl:http://couriers.vello.in/payment/handlePGSuccess

failureUrl:http://couriers.vello.in/payment/handlePGError

**Step 5: Read response from Payment Gateway**

successUrl: {returnSuccessUrl}?orderCode={orderCode}

failureUrl: {returnFailureUrl}?orderCode={orderCode}&message={errorMessage}

**Step 6 : Get CourierOrderInfo**

{api-url}/orders/{orderCode}?details=true

GET

Response

{

"success": true,

"amount": 348,

"status": 1,

"email": "couriers@test.com",

"shipments": [

{

"success": true,

"shipment\_id": 1217,

"status\_id": 1,

"status": "Success",

"courier\_id": 1,

"courier\_name": "FEDEX",

"service\_id": 2,

"service\_type": "STANDARD",

"service\_display\_name": "Standard",

"payment\_mode": "cod",

"insurance": false,

"order\_number": "C1!",

"invoice\_value": 1500,

"pickup\_pincode": "400080",

"delivery\_pincode": "400080",

"customer\_name": "Customer name",

"pickup": {

"success": true,

"pickup\_date": 1465900851000

},

"shipmentPackages": {

"forward\_label": "http://seller.shipyaari.com/logistic/BIZ/consignment\_management/uploads/783350320086\_shipment.pdf",

"cod\_return\_label": "http://seller.shipyaari.com/logistic/BIZ/consignment\_management/uploads/783350320097\_COD.pdf",

"package\_detail": {

"no\_of\_items": 1,

"package\_content": "Sample Product",

"invoice\_value": 500,

"package\_dimension": {

"weight": 0.5,

"length": 10,

"width": 5,

"height": 5

},

"volumetric\_weight": 0

},

"tracking\_number": "783350320086",

"status\_id": 1

}

},

"order\_id": 454,

"product\_info": "document",

"first\_name": "Zepo",

"order\_code": "WZ645445527F",

"phone\_no": "9090909090",

"no\_of\_shipment": 1,

"user\_id": 172

}