B2B- New Client APIs

Overview

B2B (Business to Business), is popularly also known as LTL (Less than truckload). B2B transportation involves the pickup of shipments from the client warehouse and delivering them to the consignee. Multiple legs are involved in this process like Firstmile pickup, Mid Mile connectivity & Last mile delivery which is entirely managed by Delhivery.
The objective of this document is to give a brief walk-through of the different B2B entities, available integration capabilities and proposed Integration flow/touchpoints between the Client and DLV systems, as part of enabling B2B/LTL Operations via Delhivery.

Onboarding

Clients can reach out to us through our website or can be directly contacted by the Business Development Team. Once all the formalities are done, the client account gets created in our Salesforce system and eventually in our transportation systems as well. Once the client account is onboarded, the respective teams will share the account credentials.
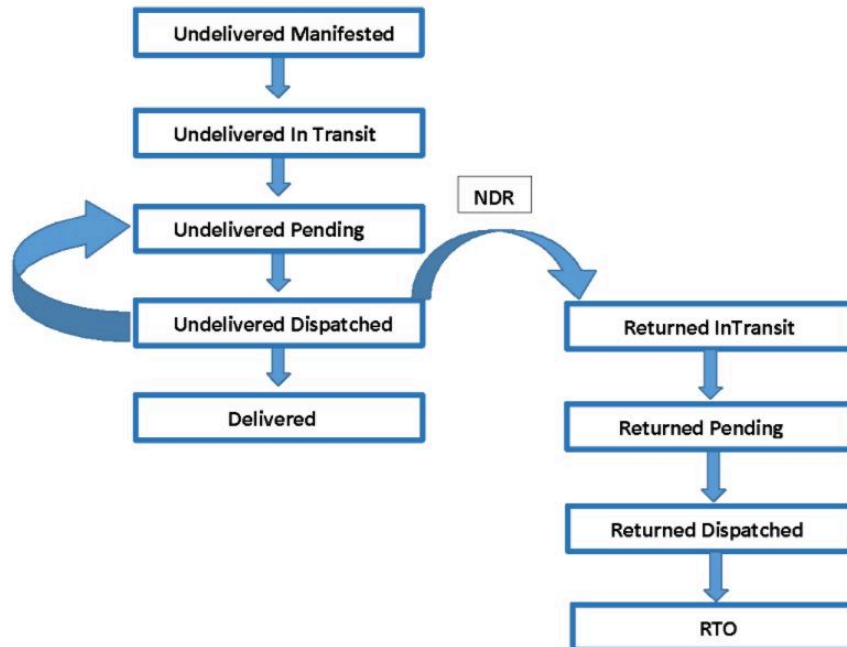
Testing and Production Accounts

Once a client is onboarded with us, they can use our LTL services where they can create the orders in our system, print labels, track orders and get all necessary details related to their shipments. For a manual process, clients can use our B2B CL Panel where they can login by using the username and password and start using the services.

For API integration, the Client will require the username and password to test all the API's. Also, clients can request their assigned POC from the Business Development team to arrange the test credentials. Once the testing is done, the Client can ask for production credentials.

Order Lifecycle

Once a shipment is created in the Delhivery system, then it follows a package cycle to reach its final destination. The diagram below shows the series of events.

Every shipment tracking can be tracked by using the data fields Status & Status Type
Status can have below values :
Manifested
In Transit
Pending
Dispatched
Delivered
RTO
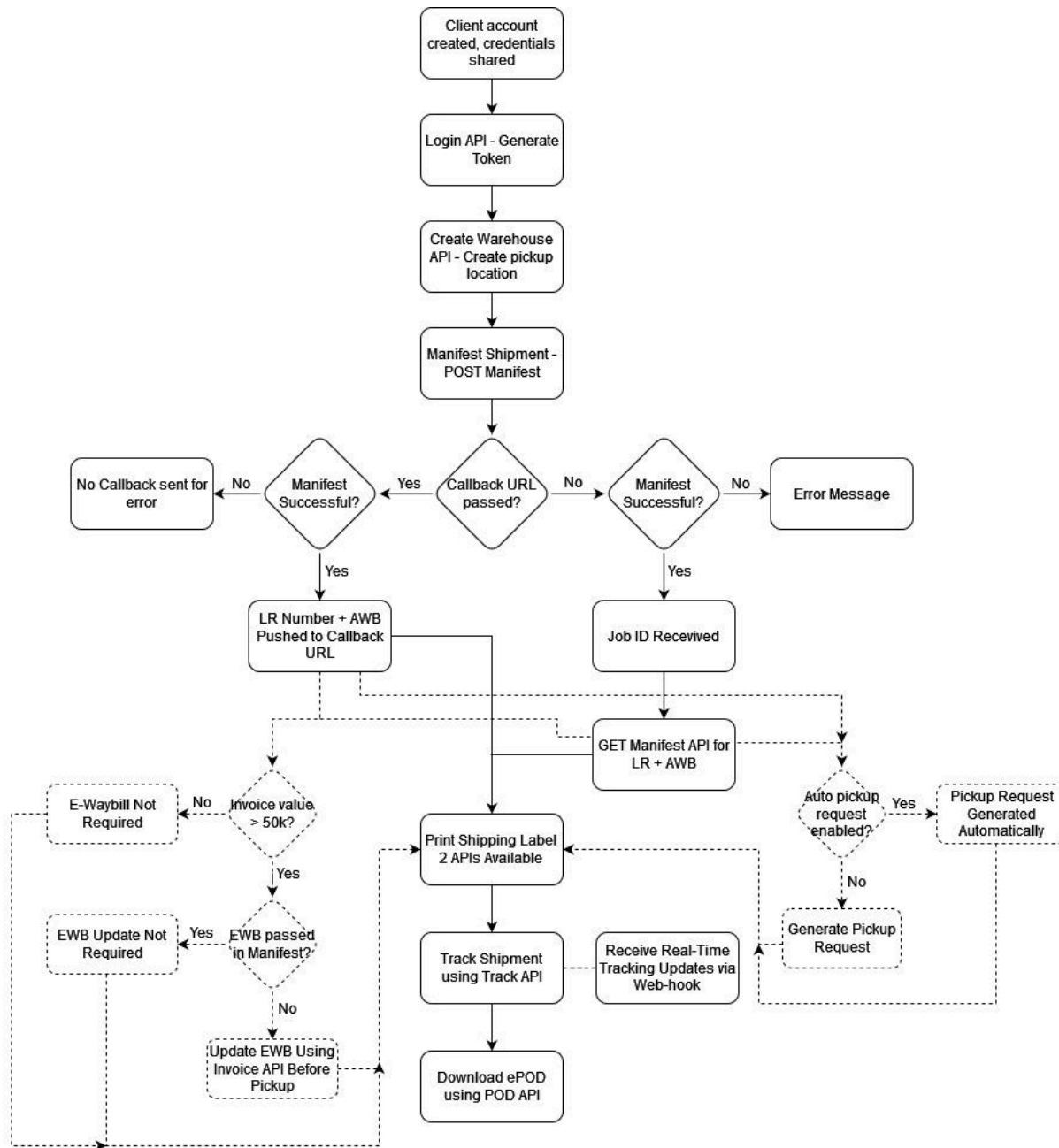
Status Type can have below values:
UD → This means Undelivered
DL → This means Delivered
RT → This means Returned

B2B APIs for Integration

The objective of integration is to eliminate the manual intervention where clients have to fill each order detail manually and track the shipments through MIS or B2B CL Panel. The integration will help the client systems to communicate with the Delhivery systems directly and can provide real-time visibility of scans, do manifestation & fetch PODs automatically.
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The chronology to be followed for integration and the subsequent testing is given as follows.

Client account created, credentials shared

Login API - Generate Token

Create Warehouse API - Create pickup location

Manifest Shipment - POST Manifest

Callback URL passed?

No Callback sent for error ← No — Manifest Successful? ← Yes — Callback URL passed? — No → Manifest Successful? — No → Error Message

Manifest Successful? → Yes → LR Number + AWB Pushed to Callback URL

Manifest Successful? → Yes → Job ID Received

GET Manifest API for LR + AWB

E-Waybill Not Required ← No — Invoice value > 50k?

Invoice value > 50k? → Yes → EWB passed in Manifest?

EWB Update Not Required ← Yes — EWB passed in Manifest?

EWB passed in Manifest? → No → Update EWB Using Invoice API Before Pickup

Auto pickup request enabled? → Yes → Pickup Request Generated Automatically

Auto pickup request enabled? → No → Generate Pickup Request

Print Shipping Label 2 APIs Available

Track Shipment using Track API

Receive Real-Time Tracking Updates via Web-hook

Download ePOD using POD API

Login API

1. Delhivery B2B APIs authenticate the client systems using a JWT token generated using the Login API.
2. The validity of every token generated is 24 hours and has to be used in the authorization header of each API called subsequently.
3. The login credentials remain the same for accessing the APIs as well as the B2B CL Panel

4. There are certain restrictions on users using this set of credentials, a maximum of five users can login to our system (API + CL Panel); as soon as a sixth user logs in, the first user will get logged out.
5. In the CL panel, there is a feature to map additional child users in the CL Panel and up to 10 child users can be added, using each set of child user credentials, a maximum of five users can login. This translates to 50 users being logged in simultaneously.
6. Similarly, in the case of Login API, there is a rate limit of 100 requests every 5 minutes, if the limit is breached, the calling IP is blocked for 10 minutes
7. If a user tries to login with incorrect credentials in the CL Panel, the user ID is locked for the next 10 minutes
8. It is recommended that you do not make a call to this API for every booking request, as it will lead to unforeseen errors

Logout API

1. This API will log out of the session having the given jwt token.
2. Usage of this API is not mandatory

Expected TAT API

1. This API lets you query for TAT by providing the origin and destination pin. This will provide the number of days in response
2. The TAT provided here is based on current network performance and if there are persistent delays in some lanes, the TAT for those lanes will be larger. Similarly, our current network TAT may be faster than our promised TAT to you at the time of onboarding.

Serviceability API

1. This API will provide visibility on whether a Pincode is serviceable or not.
2. If any pin code is serviceable only then order creation or any further API needs to be used

Freight Estimator

1. This API calculates the estimated Freight charges for the given data
2. These charges are estimated charges only based on the given data and it may vary from the actual amount charged for any LR and parameters may vary once LR is picked

Create Warehouse API

1. The client pickup locations or warehouses from where the shipments would be physically picked up, have to be defined beforehand in Delhivery systems.
2. There are three possible ways of doing this - Create Warehouse API, Pickup location creation via CL Panel, and Share data over emails with the Firstmile Support Team.
3. The warehouse name is passed in the Manifest API and is case and space-sensitive; any mismatch in the pickup location name will result in manifest failure.
4. The return address can also be configured for each warehouse - it can be the address of the warehouse itself or some other address.

Edit/UpdateWarehouse API

1. This API allows you to edit or update the details of an already created pickup warehouse location.

Create Pickup Request API

2. This API lets you create pickup requests for the manifested B2B LRs.

Cancel Pickup Request API

1. This API lets you cancel a pickup request created with the create pickup request API.

B2B Order Manifestation API

1. Once the warehouses are created, shipments can be manifested in Delhivery systems that will be picked from the respective warehouses.
2. The create manifest API is asynchronous and will return a Job ID on successful manifestation which needs to be queried in the GET Manifest API to get the LR and AWBs assigned to the shipment. Since this is an asynchronous API, the job ID will require some time lag to update the details in the backend system and share the order details as the response of the GET Status API.
3. The LR (Lorry Receipt) number is the tracking ID for the entire shipment and each box in the shipment will have its own unique AWB(Airway Bill) number associated with it.
4. The clients have the option to pass their callback URL in this API and the LR number and AWB will be pushed to the same in case of successful manifestation only.
5. If the clients have the pre-defined LR and/or AWB from Delhivery for their account, they can choose to pass the same in this API. If not, these may be left blank and the API will generate the same in real time.

6. This API also accepts return addresses in case the shipment needs to be returned to an address different from what is configured for the respective warehouse
7. The client can pass invoice copy in binary (multipart/form-data)
8. The client can pass an eInvoice QR code
9. When the eInvoice QR code is passed - while the QR code will be used for transportation of the shipment, we need the invoice PDF for doing last mile delivery of shipment (and to hand it over to the consignee for inbound of goods).
10. When the invoice copy is passed (without the QR code), it will still be used for paperless transportation of the shipment. We'll use the soft copy of the invoice for transportation as opposed to the hard copy.

Order Manifestation Status API

1. The response of the create manifest API is a job ID which needs to be passed in this API to obtain the LR and AWB numbers associated with the shipment.
2. Please note that in the case of B2B shipments, we generate an additional document AWB which is used to track the documents travelling with the shipment. For a shipment with n boxes, the total number of AWBs generated will be n+1.
3. In a paperless setting, there will be "n" number of AWBs, as the document will be available in the system as soft copies.

Edit LR API

1. Details provided at the time of manifestation (LR creation) can be edited via this API (until a certain stage of the LR i.e. pre-last mile dispatch). It will accept the fields mentioned in the payload section. It will also accept the invoice document in binary format. This is not supported for prepaid orders (FOP, FOD).
2. For shipments worth more than INR 50,000, the Government of India requires that an e-waybill be generated for the movement of the same.
3. Delhivery systems allow the manifest of shipments worth more than INR 50,000 without any e-waybill.
4. The e-waybill needs to be updated in Delhivery systems using the Invoice API or the CL Panel before the pickup happens physically from the respective warehouse.
5. In case the shipment invoice value is more than INR 50,000 and the e-waybill is not updated, the shipment will not be picked up from the client warehouse.

Edit LR Status API

1. Edit LR is an asynchronous API and gives a job ID that can be tracked from this API to get the edit LR status

2. As this is an asynchronous API, the job id will require some time to update the details in the system and share the successful response.

Create Pickup Request API

1. Once a shipment is manifested in Delhivery systems, that alone does not guarantee that the shipment will be picked up.
2. The clients need to create a pickup request for the respective warehouse for Delhivery FEs to come and pick up the shipments.
3. Delhivery systems have the ability to configure client accounts such that the pickup request can be generated automatically as soon as a shipment is manifested. This is enabled for clients for which there will be regular pickups from their warehouses and the manifest is done only after the shipments are ready for pickup.
4. In cases where the shipments are not ready for pickup at the time of manifestation, the client can choose to generate the pickup requests manually via API or through the CL Panel.
5. The pickup location should be the same in the LR and the pickup request for successfully picking up the shipments from the client location

Shipping Label APIs

1. Clients need to generate and paste shipping labels on the shipment boxes so that they can be scanned by the FEs and picked up from the client warehouses.
2. Clients can choose to generate their own shipping labels as well. Such labels should have Delhivery LR and AWB number barcodes printed clearly in a 128-bit format. Such labels need to be verified by the respective Delhivery team before integration goes live.
3. The clients can also download the shipping labels from the CL Panel if they wish to not integrate with these APIs.
4. There are two APIs available for the clients to generate and print the shipping labels - Labels API and Label PDF API.
5. Sharing the sizes of the respective parameters used for printing the labels:-

Size of shipping label	Dimension (in inches)
sm (Small)	4" * 2"
md (Medium)	4" * 2.5"
A4	11.7" * 8.3"
Standard	3" * 2"

Get Label URLs API

1. This API takes as input the shipping label size and the LR number.
2. This API helps to generate the shipping label images for all the waybills related to an LRN. The API will return list of links corresponding to individual waybills.
3. The links have a Base64 stream that needs to be converted to a PNG format and printed by the client.

Generate Documents API

1. This API takes as input the LR number and the label size, along with the client's callback URL data. Call back URL is optional here
2. This API will help to generate documents (shipping labels, LR_copy) in bulk for a list of LRNs in async
3. The client's callback URL should be in the format as given below:
   ^https?:\/\/[a-zA-Z0-9\-]+[.][a-zA-Z0-9\-\\.]+[.]+[a-zA-Z0-9\/\\-]*$
4. This API will push a link to the callback URL defined in the request payload.
5. The clients can download a PDF format label/lr_copy from the link pushed to their callback URL.

Generate Documents status API

1. This API takes the input as job id received in the response of Generate document API and in the response you will get a shipping label pdf link

Print LR Copy API

1. This API helps to generate LR copy PDF for a single LR

Track API

1. Clients can track the manifested shipments using the Track API.
2. The track API takes as input the LR number and the output is the current status of the shipment.
3. The B2B Track API will return only the latest status of the entire shipment; there will not be any historical data of the shipment journey in the response.
4. There is a limit on this API of 500 requests every 5 minutes; if the limit is exceeded, the client IP is blocked for the next 10 minutes.
5. Following are the statuses that will be received in the response of this API
   - MANIFESTED - Shipment just created in Delhivery system
   - PICKED_UP - Shipment has been picked from client's location
   - LEFT_ORIGIN - Left origin city for the destination
   - REACH_DESTINATION - Reached the destination city for delivery

- UNDEL_REATTEMPT - Attempted for delivery
- PART_DEL - Partially Delivered
- OFD - Out for Dispatch
- DELIVERED - Delivered to consignee

Webhook for Shipment Status Push

1. Delhivery has the capability to push the status of the shipments in real time to a webhook URL owned by the client.
2. The shipment statuses can be pushed on an LR, Master AWB or Child AWB Levels depending on how the client wishes to track the shipments.
3. We can also map multiple Delhivery NSL codes with one of the client tracking codes as per the client requirements.
4. There is no limit on the number of statuses that will be pushed from Delhivery systems.
5. Delhivery Tech team will test the status push and then release the same to Production post successful testing.
6. We have the capability to send additional data in scan push or map a custom payload also as per client system requirements.

Cancel Shipment API

1. Clients can choose to cancel the shipment altogether so that it does not even get picked up from the client warehouse location.
2. This API takes as LR number as the input for cancelling the order.
3. The shipments can be cancelled in the following statuses only - Manifested, In Transit, Pending, Open, Scheduled
4. For Prepaid/COD shipments, the status of the package changes to "Returned". For shipments that are in Pick Up, the status of the package changes to "Cancelled".

Freight Charges API

1. This API is used to check the freight charges breakup of any LRN.

Document Download API

1. This API helps to download the documents(LM_POD, ALTERNATE_LM_POD, etc) related to an LRN or MWN
2. This API takes as input either the LR or mwbn number of the shipment and provides a link to download the POD.

B2B API Payloads and Definitions

URL Definitions

Staging Base URLs
https://ltl-clients-api-dev.delhivery.com/

Production Base URLs
https://ltl-clients-api.delhivery.com/

Login API

Rate Limit - 100 requests per 5 minutes

Endpoint:- /ums/login

API Type: sync

Method: POST

Request Payload:

Parameter	Description	Type	Mandatory
username	Client username	String	yes
password	Password set by the user	String	yes

Sample Curl:

```
curl --location 'https://ltl-clients-api-dev.delhivery.com/ums/login' \
--header 'Content-Type: application/json' \
--data-raw '
{
   "username": "username",
   "password": "userpassword"
```

}'

Response:

Request completed [200]

{
  "success": **true**,
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "data": {
    "jwt":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6IkRFVkxUCIsInBob25lX251bWJlciI6Iis5MTYzNzgzODQxODciLCJmaXJzdF9uYW1lIjoiREVWTFRMIiwibGFzdF9uYW1lIjpudWxsLCJhdWQiOiJHdkRRem9kNmFFSU0zTGN5YTICamZCYjhidkZrWVRYeSIsInBpbiI6ZmFsc2UsImRhcndpbl9maWQiOiJJTjMlwMTAxMEExQSIsInVzZXJfdHlwZSI6Ik9GUiIsIndyaXRlX2FsbF9jZW50ZXJzIjpmYWxzZSwimVhZF9hbGxfY2VudGVycyI6ZmFsc2UsImlkbGUiOjE2NjU3MjUxMzgsInRlbmFudCI6IkRlbGhpdmVyeSIsImV4cCI6MTY2NTE2MzUzOCwidG9rZW5faWQiOiI3MTk5ZTVkYS1iNWFiLTRmNTMtYWM4Yy1jYzc3NWQ5Yzk2YTkiLCJpYXQiOjE2NjUxMjAzMzgsImVtYWlsIjoiZGV2bHRsQGRlbGhpdmVyeS5jb20iLCJhcGlfdmVyc2lvbiI6InYyIiwic3ViIjoidW1zOjp1c2VyOjpjYjM0ZTA3Yy0zNTk3LTExZWQtOGMzYi0wZTM0YzlkY2JkOTEifQ._oNzjxlkyg-pxsJF7ZLU2czhQqaPNtU1cNCyZu8_P8g"
  }
}

Bad Request. [4xx/5xx]

{
  "success": **false**
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "error": {
    "code": 400,
    "message": "Empty payload"
  }
}

```
}
```

```
{
  "success": false
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "error": {
    "code": 400,
    "message": "User not found"
  }
}
```

```
{
   "success": false
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "error": {
    "code": 400,
    "message": "User not authenticated"
  }
}
```

Logout API

Endpoint: /ums/logout

API Type: sync

Method: DELETE

Note: Passed Authorization: Bearer token will be used for logging out

Sample Curl:

curl --location --request DELETE 'https://ltl-clients-api-dev.delhivery.com/ums/logout' \
--header 'Authorization: Bearer <Auth Token>' \
--data ''

Response:

Request completed [200]

```
{
  "success": true
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "data": {
    "success": "session removed"
  }
}
```

Authorization error. [401/403]

```
{
  "success": false
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "error": {
    "code": 400,
    "message": "User is not authorized to access this resource with an explicit deny"
  }
}
```

```
{
  "success": false
  "request_id": "52d1ed0d-716b-4653-9a4b-ce3cf6eef1c7",
  "error": {
    "code": 400,
    "message": "Unauthorized"
  }
}
```

Expected TAT API

Endpoint: /tat/estimate

API Type: sync

Method: GET

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Bearer Token	string	Yes
X-Request-Id	Unique Request ID	string	No

Query Param:

Parameter	Description	Type	Mandatory
origin_pin	Origin Pin	string	Yes
destination_pin	Destination Pin	string	Yes

Response:

Request succeeded [200]

```
{
     "success": true,
     "data": {
           "tat": 4
     },
     "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee"
}
```

Sample Curl:

curl --location
'https://ltl-clients-api-dev.delhivery.com/tat/estimate?origin_pin=400093&destination_pin=122001
' --header 'X-Source: Client' --header 'Authorization: Bearer Token'

Serviceability API

Endpoint: /pincode-service/{pincode}

API Type: sync

Method: Get

Request Payload:

Parameter	Description	Type	Mandatory
weight	Expected weight of the shipment in grams	float	no

Sample Curl:

curl --location 'https://ltl-clients-api-dev.delhivery.com/pincode-service/122001?weight=1' \
--header 'Authorization: Bearer <Auth Token>'

Response:

Request completed [200]

```
{
      "success": true,
      "data": {...}
      "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee"
}
```

Bad Request. [4xx/5xx]

```
{
      "success": false,
      "error": {
```

```
        "message": <string>,
        "code": <int>,
    },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
        "success": false,
        "error": {
            "message": "The user is not authorized to perform this action.",
            "code": <int>,
        },
            "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Freight Estimator

Endpoint - /freight/estimate

Method Type: POST

API Type: Sync

Payload:

Field	Description	Type	Mandatory
dimensions	List of dimensions of package (in cm) [{ "length_cm": <number>, "width_cm": <number>, "height_cm": <number>, "box_count": <int> }, {}]	Object	Yes

weight_g	Weight for shipment in grams	Number	Yes	
cheque_payment	Payment from cheque or not	Boolean	No	
source_pin	Source pincode	string	Yes	
consignee_pin	Target pincode	string	Yes	
payment_mode	Mode of payment One of ["cod", "prepaid"]	string	Yes	
cod_amount	Cod amount (Mandatory if payment mode is cod)	Number	Conditional	
inv_amount	Invoice amount	Number	Yes	
freight_mode	Freight_mode (fop/fod) (Mandatory for B2BR Clients)	string	Conditional	
rov_insurance	rov risk_type (CARRIER is True, OWNER is False)	boolean	No	

Headers

Parameter	Description	Type	Mandatory
Authorization	Bearer auth token	string	Yes

Sample Curl:

curl --location 'https://ltl-clients-api-dev.delhivery.com/freight/estimate' \
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx \
--header 'Content-Type: application/json' \
--data '{
    "dimensions": [
        {
            "length_cm": 11,
            "width_cm": 13,
            "height_cm": 11,
            "box_count": 1
        }
    ],

```
    "weight_g": 4000,
    "cheque_payment": false,
    "source_pin": "122003",
    "consignee_pin": "122003",
    "payment_mode": "prepaid",
    "inv_amount": 123,
    "freight_mode": "fod",
    "rov_insurance": true
}'
```

Response

1. Request accepted [200]

```
{
    "success": true,
    "data": {
        "total": <total charge>,
        "charged_wt": <>,
        "min_charged_wt": <>,
        "price_breakup": {
            "base_freight_charge": total_with_min_lr - fuel.total,
            "fuel_surcharge": fuel.total,
            "insurance_rov": rov.total,
            "oda": oda.total,
            "fm": fm.total,
            "lm": lm.total,
            "green": green.total,
            "pre_tax_freight": pre_tax_freight,
            "gst": gst.total,
            "fuel_hike": fuel_hike.total,
            "other_handling_charges": **meta_charges.total,
            "meta_charges": {
                    <Total of all the other freight charges and charges missing from above
breakup>
            }
        }
    },
    "request_id": <str_uuid>
}
```

2. Auth Error [401/403]

```
{
   "success": False,
   "error": {
      "message": "The user is not authorized to perform this action.",
      "code": <int>,
   },
   "request_id": <str_uuid>
}
```

3. Failure [4xx/5xx]

```
{
   "success": False,
   "error": {
      "message": <string>,
      "code": <int>,
   },
   "request_id": <str_uuid>
}
```

Create Warehouse API

Endpoint: /client-warehouse/create/

API Type: Sync

Method: Post

Request Payload - application/json

Parameter	Description	Type	Mandatory
name	Warehouse name	string	yes
pin_code	Pincode	string	Yes
city	City of origin	string	No

state	State of origin (Default : fetched from pincode)	string	No
country	Country	string	No

address_details	{
	"address": "Address of the place", <str> <required>
	"contact_person": "Name of contact person", <str> <optional>
	"phone_number": "Contact number of the person" <str> <required>,
	"email": "contact person email" <str> <optional>
	}
		object	Yes

same_as_fwd_ad d	If return address for the warehouse is same as forward address (takes precedence over ret_address)	bool	No

ret_address	{
	"pin": "pincode", <str>
	"address": "return address" <str>
	}
		object	No

billing_details	{
	"legal_address": {
	    "same_as_physical_address": true, <required>
	    "legal_name": "string",
	    "line_1": "string",
	    "line_2": "string",
	    "city": "string",
	    "state": "string",
	    "pin_code": 0, <required>
	    "country": "string"
	},
	"business_constitution": "individual",
	"business_registration": "regular_taxpayer",
	"tan_number": "string",
	"pan_number": "string",
	"gst_number": "string"
	}
		object	No

buisness_hours	{
	<DAY>: {
	 "start_time": "time in HH:MM" <str> <required>,
	  "end_time": "time in HH:MM" <str> <required>,
	 }
		object	No

	} Accepted values for WEEK - "MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"		

pick_up_hours	{
	 <DAY>: {
	 "start_time": "time in HH:MM" <str> <required>,
	 "end_time": "time in HH:MM" <str> <required>,
	 }
	 }
	 Accepted values for DAY - "MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"
		object	No

pick_up_days	Accepted values in list : ["MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"]	list	No
buisness_days	Accepted values in list : ["MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"]	list	No
tin_number		string	No
cst_number		string	No
warehouse_type		string	No
accessibility_id		string	No
incoming_center		string	No
rto_center		string	No
store_type		string	No
tag		string	No
consignee_gst	Should be 15 digit alphanumeric character	string	No
is_warehouse		bool	No
use_client_state		bool	No
active		bool	No
qr_enabled		bool	No
qr_data		string	No

Response:

Request completed [200]

```json
{
    "data": {
        "success": true,
        "message": "Create successful!",
        "error": {},
        "result": {
            "id": "769d0f95-b3b8-44a2-bdd3-764356fd98e6",
            "name": "Delhivery12",
            "uuid_key":
"delhivery::clientwarehouse::52c1873d-2e50-4762-b9b1-d593b34b6f6b",
            "registered_name": null,
            "client_name": "GINNI B2B",
            "client_id": "cms::client::087a1b23-65ae-11e9-80ad-0e5994735ce8",
            "client_serial": 11488,
            "is_warehouse": true,
            "product_type": "B2B",
            "same_as_fwd_add": false,
            "address_details": {
                "address": "Gurgaon",
                "contact_person": "9999999998",
                "phone_number": "9186676788"
            },
            "city": "Mumbai",
            "city_uuid": null,
            "state": "MAHARASHTRA",
            "pin_code": 400059,
            "country": "India",
            "country_code": "IN",
            "zone": null,
            "ret_address": {
                "address": "test",
                "pin": "721657",
                "country": "India"
            },
            "latitude": null,
            "longitude": null,
            "uaid": null,
            "fwd_add_uaid_status": null,
            "ruaid": null,
            "ucid_details": null,
```

```json
"ucid": null,
"ucid_status": "created",
"addfix": null,
"add_fix_status": "created",
"geocode_src": null,
"geocode_level": null,
"trace": null,
"geofence_distance": null,
"geofense_callback_status": null,
"incoming_center_id": "ec68553c-e26f-48b4-9fb4-3d387dda99b3",
"incoming_center": "IND110044AAB",
"incoming_center_name": "Del_Okhla_PC",
"rto_center_id": "0b0e3161-c41c-4ab8-9b09-6d54ab8fc1cb",
"rto_center": "IND400093AAA",
"rto_center_name": "Mumbai MIDC",
"dto_center_id": "0b0e3161-c41c-4ab8-9b09-6d54ab8fc1cb",
"dto_center": "IND400093AAA",
"dto_center_name": "Mumbai MIDC",
"pick_up_days": [
    "TUE"
],
"pick_up_hours": {
    "TUE": {
        "close_time": "16:00",
        "start_time": "13:00"
    }
},
"drop_days": null,
"drop_hours": null,
"business_days": [
    "TUE"
],
"business_hours": {
    "TUE": {
        "close_time": "08:30",
        "start_time": "07:00"
    }
},
"billing_details": null,
"active": true,
"accessibility_id": null,
"accessibility_name": null,
"is_blocked": false,
```

"archived_data": null,
"appointment_required": false,
"can_handle_palletised_load": false,
"consignee_gst": null,
"cst_number": null,
"ewaybill_eligibility": null,
"last_pickup_date": null,
"manual_center_override": false,
"pin_checked": true,
"qr_enabled": false,
"qr_data": "Delhivery12 GINNI B2B",
"restricted_entry": false,
"store_capacity": null,
"store_type": null,
"warehouse_type": null,
"tag": null,
"use_client_state": false,
"tin_number": null,
"verified": false,
"ds_tag": null,
"no_data_pickup_enabled": "cl_derived",
"weight_verification": "unverified",
"attributes": {
    "categ_wh_fm": "Not Computed",
    "test_otp": false,
    "newclientattribute": false,
    "test_attribute_20": "clothes",
    "newclientattribute_1": false,
    "TEST24": 1009,
    "is_sdc": false,
    "test_attribute_1115": 80,
    "test_attribute_1153": 80,
    "PD_Center_2": true,
    "clientattributewarehouse_1": false,
    "TES10": false,
    "Blocked_payment_type": "null",
    "test_attribute_6": false,
    "exempt_ewaybill": false,
    "clientwarehouse_location_type_1": "NA",
    "category_wh_fm_1": "Not Computed",
    "Zero_liability_payment_type": "null",
    "test_attribute_1149": 80,
    "test_attribute_1": false,

```
                    "clienttagGG": false,
                    "test_attribute_3": false,
                    "TEST40": 2001,
                    "TES8": "km"
                },
                "suggest": "Delhivery12 400059 Mumbai",
                "created_at": "2023-10-17T11:01:44.492Z",
                "created_by_username": "LTL",
                "updated_at": "2023-10-17T11:01:44.492Z",
                "changed_by_username": "LTL"
            }
        },
        "success": true
    }
```

Bad Request. [4xx/5xx]

```
{
    "success": false,
    "error": {
        "message": <string>,
        "code": <int>,
    },
    "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
    "success": false,
    "error": {
        "message": "The user is not authorized to perform this action.",
        "code": <int>,
    },
    "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Sample Curl:

curl --location --request POST 'https://ltl-api-dev.delhivery.com/client-warehouses' \
--header 'Authorization: Bearer Token' \

```
--header 'Content-Type: application/json' \
--header 'x-del-client: cms::client::fc9164d3-969d-11eb-b82c-0eed4c39e78f' \
--data-raw '{
    "pin_code": "400059",
    "city": "Gurgaon",
    "state": "Haryana",
    "country": "India",
    "address_details": {
        "address": "Gurgaon",
        "contact_person": "contact_person",
        "phone_number": "9186676788"

    },
    "name": "Delhivery142",
    "business_hours": {
        "TUE": {
            "start_time": "07:00",
            "close_time": "08:30"
        }
    },
    "pick_up_hours": {
        "TUE": {
            "start_time": "13:00",
            "close_time": "16:00"
        }
    },
    "pick_up_days": [
        "TUE"
    ],
    "business_days": [
        "TUE"
    ],
    "ret_address": {
        "pin": "721657",
        "address": "test"
    }
}'
```

Edit/Update Warehouse API

Endpoint: /client-warehouses/update/

API Type: Sync

Method: Patch

Request Payload - application/json

Parameter	Description	Type	Mandatory
cl_warehouse_name	Warehouse name	string	yes
update_dict		dictionary	no
city	City	string	no
state	state	string	no
country	Country	string	No

address_details	{
	"address": "Address of the place", <str> <optional>
	"contact_person": "Name of contact person", <str> <optional>
	"phone_number": "Contact number of the person" <str>, <optional>
	"email": "contact person email", <str> <optional>
	"company": "company name" <str> <optional>
	}
		object	Yes

ret_address	{
	"pin": "pincode", <str> <optional>
	"address": "return address", <str> <optional>
	"city": "city", <str> <optional>
	"state": "state", <str> <optional>
	"country": "country" <str> <optional>
	}
		object	No

billing_details	{
	"legal_address": {
	    "same_as_physical_address": true, <boolean> <optional>
	    "line_1": "string", <optional>
		object	No

	"city": "string", <optional> "state": "string", <optional> "pin_code": 0, <optional> "country": "string", <optional> "name": "string" <optional> }, "gst_number": "string" <optional> }		

buisness_hours	{
	<DAY>: {
	 "start_time": "time in HH:MM" <str> <optional>,
	 "close_time": "time in HH:MM" <str> <optional>,
	 }
	}
	Accepted values for DAY - "MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"
		object	No

pick_up_days	["FRI", "MON", "SAT"] Accepted values in list : ["MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"]	list	No
drop_days	["THU", "FRI"] Accepted values in list : ["MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"]	list	No

drop_hours	{
	<DAY>: {
	 "start_time": "time in HH:MM" <str> <optional>,
	 "close_time": "time in HH:MM" <str> <optional>,
	 }
	}
	Accepted values for DAY - "MON", "TUE", "WED", "THU", "FRI", "SAT", "SUN"
		object	No

tin_number		string	No
cst_number		string	No
qr_enabled		bool	No

appointment_required		string	No

Response:

Request completed [200]

```
{
 "data": {
  "success": true,
  "message": "Update successful",
  "error": {

  },
  "result": {
   "id": "c3d56e5c-d24b-4675-b1d2-3009b00e6b78",
   "name": "testWH",
   "uuid_key":
"delhivery::clientwarehouse::1d7ff8f4-826c-4e47-b9c1-91f14cc0ba66",
   "registered_name": null,
   "client_name": "UECOB2B-B2B",
   "client_id": "cms::client::3f21ec11-d4d2-11ef-b823-026070b4c267",
   "client_serial": 52266,
   "is_warehouse": true,
   "product_type": "B2B",
   "same_as_fwd_add": false,
   "address_details": {
    "address": "testing123",
    "contact_person": "Shashi Ranjan",
    "phone_number": "6283671721",
    "email": "qaltl@delhivery.com",
    "company": "QALTL"
   },
   "city": "Faridabad",
   "city_uuid": null,
   "state": "Maharashtra",
   "pin_code": 324005,
   "country": "Bharat",
   "country_code": "IN",
   "zone": null,
   "ret_address": {
    "address": "H.No.-266A, Sector-40",
    "city": "Gurgaon",
```

```json
    "state": "Haryana",
    "pin": "122001",
    "country": "INDIA"
},
"latitude": null,
"longitude": null,
"uaid": null,
"fwd_add_uaid_status": "created",
"ruaid": null,
"ucid_details": null,
"ucid": null,
"ucid_status": "created",
"addfix": null,
"add_fix_status": "created",
"geocode_src": null,
"geocode_level": null,
"trace": null,
"geofence_distance": null,
"geofense_callback_status": null,
"incoming_center_id": "0420f04a-aa9f-45b8-afe7-3874ebdabae7",
"incoming_center": "IND110086AAA",
"incoming_center_name": "Delhi_Rohini_RP",
"rto_center_id": "0420f04a-aa9f-45b8-afe7-3874ebdabae7",
"rto_center": "IND110086AAA",
"rto_center_name": "Delhi_Rohini_RP",
"dto_center_id": "0420f04a-aa9f-45b8-afe7-3874ebdabae7",
"dto_center": "IND110086AAA",
"dto_center_name": "Delhi_Rohini_RP",
"pick_up_days": [
 "FRI",
 "MON",
 "SAT"
],
"pick_up_hours": {
 "TUE": {
   "start_time": "13:00",
   "close_time": "16:00"
 }
},
"drop_days": [
 "THU",
 "FRI"
],
```

```json
      "drop_hours": {
       "THU": {
         "start_time": "14:30",
         "close_time": "18:00"
       }
      },
      "business_days": [
       "TUE"
      ],
      "business_hours": {
       "THU": {
         "start_time": "10:00",
         "close_time": "18:30"
       },
       "TUE": {
         "start_time": "10:00",
         "close_time": "18:30"
       },
       "WED": {
         "start_time": "10:00",
         "close_time": "18:30"
       }
      },
      "billing_details": {
       "legal_address": {
         "name": "testWH",
         "same_as_physical_address": true
       },
       "gst_number": "27AAACC1206D1ZG"
      },
      "active": true,
      "accessibility_id": null,
      "accessibility_name": null,
      "is_blocked": false,
      "archived_data": null,
      "appointment_required": true,
      "can_handle_palletised_load": false,
      "consignee_gst": null,
      "cst_number": "11122233344",
      "ewaybill_eligibility": null,
      "last_pickup_date": null,
      "manual_center_override": false,
      "pin_checked": false,
```

"qr_enabled": true,
"qr_data": "testWH UECOB2B-B2B",
"restricted_entry": false,
"store_capacity": null,
"store_type": null,
"warehouse_type": null,
"tag": null,
"use_client_state": false,
"tin_number": "99988877765",
"verified": false,
"ds_tag": null,
"no_data_pickup_enabled": "cl_derived",
"weight_verification": "unverified",
"attributes": {
 "test_attribute_1153": 80,
 "Zero_liability_payment_type": "null",
 "exempt_ewaybill": false,
 "clientwarehouse_location_type_1": "NA",
 "category_wh_fm_1": "Not Computed",
 "TEST40": 2001,
 "newclientattribute": false,
 "clienttagGG": false,
 "TES8": "km",
 "test_attribute_20": "clothes",
 "test_otp": false,
 "investigation_count": 0,
 "test_attribute_1115": 80,
 "newclientattribute_1": false,
 "TEST24": 1009,
 "Blocked_payment_type": "null",
 "TES10": false,
 "VerifiedfailedPURs": "0",
 "PURManagement": "attempt_all_purs_but_verify_slot",
 "SlotVerified": false,
 "is_sdc": false,
 "NewCWH": true,
 "categ_wh_fm": "Not Computed",
 "investigation_status": "Never Investigated",
 "clientattributewarehouse_1": false,
 "PD_Center_2": true,
 "test_attribute_6": false,
 "test_attribute_1149": 80,
 "test_attribute_1": false,

```
      "test_attribute_3": false
    },
    "suggest": "testWH Faridabad",
    "created_at": "2025-02-03T09:59:20.955Z",
    "created_by_username": "LTL",
    "updated_at": "2025-02-04T05:23:40.899Z",
    "changed_by_username": "LTL"
  }
},
"success": true,
"request_id": "c75ae290-eab8-4942-b986-1fb349397e28"
}
```

Bad Request. [4xx/5xx]

```
{
    "error": {
        "message": <string>,
        "code": <int>,
    },
    "success": false,
    "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
    "success": false,
    "error": {
        "message": "The user is not authorized to perform this action.",
        "code": <int>,
    },
    "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Sample Curl:

curl --location --request PATCH 'http://ltl-clients-api-dev.delhivery.com/client-warehouses/update' \
--header 'Content-Type: application/json' \

```
--header 'Authorization: Bearer xxxxxxxxxxxxx' \
--data-raw '{
    "cl_warehouse_name": "testWH",
    "update_dict": {
        "city": "Faridabad",
        "state": "Maharashtra",
        "country": "Bharat",
        "address_details": {
            "address": "testing123",
            "contact_person": "Shashi",
            "phone_number": "9988000000",
            "email": "test@gmail.com",
            "company": "companyname"
        },
        "ret_address": {
            "address": "H.No100, Sector-40",
            "city": "Gurgaon",
            "state": "Haryana",
            "pin": "122001",
            "country": "INDIA"
        }
    }
}'
```

Create Pickup Request API

Endpoint: /pickup_requests/

API Type: sync

Method: POST

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Bearer Token	string	Yes
X-Request-Id	Unique Request ID	string	No

Query Param:

Parameter	Description	Type	Mandatory
client_warehouse	Pickup warehouse name	string	Yes
pickup_date	Pickup date in YYYY-MM-DD format	string	Yes
start_time	Expected start time in format HH:MM:SS	string	Yes
expected_package _count	Expected number of boxes	int	Yes

Response:

Request succeeded [200]

```
{
            "success": true,
            "data": {
                    "pickup_id": 60691,
                    "client_name": "XXXX",
                    "pickup_location_name":
"Delhivery_Shipment_From_Again._C/O_Delhivery_Shipment_From_Again.-Mumbai-4000
59",
                    "incoming_center_name": "Mumbai MIDC",
                    "pickup_time": "13:00:00",
                    "pickup_date": "2023-11-20",
                    "expected_package_count": 10
            }
}
```

Sample Curl:
```
curl -X POST \
  -H "Authorization: Bearer <UMS_Bearer_Token>" \
  -H "X-Request-Id: <Unique_Request_ID>" \
  -H "Content-Type: application/json" \
  -d '{
      "client_warehouse": "YourPickupWarehouseName",
      "pickup_date": "2024-02-24",
      "start_time": "10:00:00",
      "expected_package_count": 10
```

```
            }' \
    "https://ltl-clients-api.delhivery.com/pickup_requests/"
```

Cancel Pickup Request API

Endpoint: /pickup_requests/{pickup_id}

API Type: sync

Method: DELETE

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Bearer Token	string	Yes
X-Request-Id	Unique Request ID	string	No

Path Param:

Parameter	Description	Type	Mandatory
pickup_id	Pickup id	string	Yes

Response:

Request succeeded [200]

```
{
    "success": true,
        "data": {
                "message": "Cancelled pickup_request successfully"
        }
}
```

Sample Curl:
curl -X DELETE \
  -H "Authorization: Bearer <UMS_Bearer_Token>" \
  -H "X-Request-Id: <Unique_Request_ID>" \
  "https://ltl-clients-api.delhivery.com/pickup_requests/pur_id_1"

B2B Order Manifestation API

Endpoint: /manifest

API Type: Async

Method: Post

Request Payload - multipart/form-data

Parameter	Description	Type	Mandatory
lrn	Lr number	string	No
pickup_locati on_name	Delhivery Registered Pickup Location Name	string	Conditional (One of name or id is required)
pickup_locati on_id	Delhivery Registered Pickup Location Id from FAAS. Either pickup_locaion or pickup_location_id is to be passed	string	Conditional (One of name or id is required)
payment_mo de	One of: ['cod', 'prepaid']	string	Yes
cod_amount	If payment_mode is passed as 'cod', then it's mandatory to pass cod_amount	float	conditional
weight	Total weight of LR (in gm)	float	Yes
dropoff_store _code	Store code registered in FAAS Either dropoff_store_code is required or dropoff_location is required.	string	conditional

dropoff_locati on	Either dropoff_store_code is required or dropoff_location is required.
	{
	    "consignee_name": "string", \<req>
	    "address": "string", \<req>
	    "city": "string", \<req>
	    "state": "string", \<req>
	    "zip": "string", \<req>
	    "phone": "string", \<req>
	    "email": "string", \<optional>
	}
		Object	conditional(eith er dropoff_store_c ode or dropoff_locatio n)
			Priority is on dropoff_store_c ode

return_addre ss	{
	    "name": "string", \<optional>
	    "address": "string", \<required>
	    "city": "string", \<optional>
	    "state": "string", \<optional>
	    "zip": "string", \<required>
	    "phone": "string", \<required>
	}
		Object	No

shipment_det ails	[
	  {
	  "order_id": "string", \<required>
	  "box_count": 0, \<required>
	  "description": "string", \<required> \<300 char limit restriction>
	  "weight": "int", \<in gram> \<optional>
	  "waybills": [\<optional>
	   "string"
	  ],
	  "master": bool \<optional>
	  }
	]
		object	Yes

dimensions	Dimensions of the package (in cm) in the given format:
	[
	  {
	  "box_count": 0, \<int>
	  "length": 0, \<float>
	  "width": 0, \<float>
	  "height": 0 \<float>
	  }
	]
		object	No

rov_insurance	ROV Risk Type: Pass True for Carrier Risk and False for Owner Risk. Note: Only for co-loader clients and retail clients, key is required. If passed for other clients, it will be ignored.	boolean	Mandatory for Retail client
enable_paperless_movement	If passed FALSE, shipment will be moved with physical documents (e.g. invoice handed over during pickup). If passed as TRUE, the shipment will be moved in the network with a soft copy of the document (shared in this API's request payload). Default (if not passed): False	boolean	No

callback	API details for a callback
	{
	    "uri": "string",
	    "method": "\<http method\>",
	    "authorization": "string",
	    "headers": {
	        "key1": "string",
	        "key2": "string"
	    }
	}
		object	No

invoices	Invoices of the shipment. (Either inv_qr_code, or inv_num and inv_amt are required.)
	[
	  {
	   "inv_num": "inv_number1\<str\>",
	   "inv_amt": "invoice amount (float)",
	   "inv_qr_code": "Base64 String of QRcode (string)"
	   "ewaybill": "Ewbn number (string)" \<optional\>
	  },
	  {
	   "inv_num": "inv_number_2 \<str\>",
	   "inv_amt": "invoice amount (float)",
	   "inv_qr_code": "Base64 String of QRcode (string)"
	   "ewaybill": "Ewbn number (string)" \<optional\>
	  }
	]
		Object	Yes

doc_file	Maximum No of Files Allowed: 10 Allowed File size: Max 20 MB Aggregated all files Allowed File Formats: [.png .jpg .jpeg .pdf .bmp]	File	Mandatory for Retail client

doc_data	Detail for individual doc files passed.
	[
	 {
	  "doc_type": <doc_type>, <required>
	  "doc_meta": {
	  "invoice_num": ["inv1", "inv2"], <Required if doc_type is invoice_copy>
	  } <optional>
	 },
	 {
	 "doc_type": <>, <required>
	 "doc_meta": {} <optional>
	 },
	]
		Object	(Required if doc_file are passed)
			Mandatory for Retail client

freight_mode	["FOP","FOD"]	string	Mandatory for Retail client

billing_address	{
	    "name": "string", <req>
	    "company": "string", <req>
	    "consignor": "string", <req>
	    "address": "string", <req>
	    "city": "string", <req>
	    "state": "string", <req>
	    "pin": "string", <req>
	    "phone": "string", <req>
	    "pan": "string", <optional>
	    "gstin": "string", <optional>
	(either pan or gstin mandatory)
	}
		object	Mandatory for Retail client

fm_pickup	Pass True for fm_pickup and False for Self drop	boolean	Mandatory for Retail client

Note:
- If enable_paperless_moment is passed true, sending the invoice file is mandatory
- Doc_data must contain details for a doc file passed in the respective sequence in the list.

DOC_FILE:
- Supported documents for:

- "INVOICE_COPY",
- "REGULATORY_FORM",
- "SHIPMENT_IMAGE",
- "INWARD_FORM",
- "OUTWARD_FORM",
- "INTERSTATE_FORM",
- "EWAYBILL_FORM",
- "SIGNATURE_URL",
- "KYC",
- "CUSTOMS_DUTY_INVOICE",
- "PO_COPY",
- "STN",
- "ASN",
- "PHOTO_ID",
- "GOODS_DECLARATION",
- "INSURANCE_COPY",
- "BILL_OF_SUPPLY",
- "CREDIT_NOTE",
- "DEBIT_NOTE",
- "DELIVERY_CHALLAN",
- "SUP_INVOICE",
- "CONSIGNEE_TRANSACTION",
- "PAYMENT_PROOF",
- "EINVOICE_QR"

Response:

Request accepted [202]

```
{
  "success": true,
  "job_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee",
  "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee"
}
```

Bad Request. [4xx/5xx]

```
{
      "success": false,
      "error": {
          "message": <string>,
          "code": <int>,
```

```
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
        "success": false,
        "error": {
            "message": "The user is not authorized to perform this action.",
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Callback payload:

Success callback payload:

"doc_waybill" will only be present if it is present in response

```
{
        "success": true,
        "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee",
        "data": {
          "status": "Complete",
          "job_id": "cdeb8af0-62d7-4287-a72a-91a3c79b92f4"
          "lrnum": "220028240",
          "waybills": [ "wbn1", "wbn2" ],
          "doc_waybill": "doc_wbn",
          "master_waybill": "wbn"
    }
}
```

Failure callback payload:

```
{
        "success": false,
        "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee",
        "error": {
          "message": "reason",
          "code": 123
    }
}
```

Order Manifestation Status API

Endpoint: /manifest

API Type: sync

Method: Get

Query Param

Parameter	Description	Type	Mandatory
job_id	job_id/request_id received during manifestation	string	Yes

Response:

Request succeeded [200]

```
{
    "success": true,
    "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee",
    "data": {
            "status": "Complete",
            "job_id": "cdeb8af0-62d7-4287-a72a-91a3c79b92f4"
            "lrnum": "220028240",
            "waybills": [ "wbn1", "wbn2" ],
            "doc_waybill": "doc_wbn",
            "master_waybill": "wbn"
    }
}
```

```
{
        "success": true,
        "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee",
        "data": {
          "status": "Processing",
          "job_id": "cdeb8af0-62d7-4287-a72a-91a3c79b92f4"
        }
}
```

```
}
```

Bad Request. [4xx/5xx]

```
{
    "success": false,
    "error": {
        "message": <string>,
        "code": <int>,
    },
    "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
    "success": false,
    "error": {
        "message": "The user is not authorized to perform this action.",
        "code": <int>,
    },
    "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Edit LR API

Endpoint - /lrn/update/<lnum>

Method: PUT

Type: Async API.

Headers

Parameter	Description	Type	Mandatory
Authorization	Bearer auth token	string	Yes

Request Payload - multipart/form-data

Parameter	Description	Type	Mandatory	Condition
payment_mode	One of: ['cod', 'prepaid']	String	No	NOT ALLOWED IF SHIPMENT IS IN A TERMINAL STATE (EXCEPT LOST) OR SHIPMENT IS DISPATCHED IN LAST MILE
cod_amount	If payment_mode passed as COD then it's mandatory to pass cod_amount	float	conditional	NOT ALLOWED IF SHIPMENT IS IN A TERMINAL STATE (EXCEPT LOST) OR SHIPMENT IS DISPATCHED IN LAST MILE
consignee_name	Name of Consignee	string	No	NOT ALLOWED IF SHIPMENT IS IN A TERMINAL STATE (EXCEPT LOST) OR SHIPMENT IS DISPATCHED IN LAST MILE
consignee_address	Address of Consignee	string	No	NOT ALLOWED IF SHIPMENT IS IN A TERMINAL STATE (EXCEPT LOST) OR SHIPMENT IS DISPATCHED IN LAST MILE
consignee_pincode	Pincode of Consignee	string	No	ALLOWED ONLY IF THE SHIPMENT IS IN THE FIRST MILE (SO THAT ROUTING ISN'T IMPACTED) UD flow (cs_st = UD): - if cs_ss = manifested, allow the action - if cs_ss = in-transit, allow only if slid = oc
consignee_phone	Phone of Consignee	string	No	NOT ALLOWED IF SHIPMENT IS IN A TERMINAL STATE (EXCEPT LOST) OR SHIPMENT IS DISPATCHED IN LAST MILE
weight_g	Total weight of LR	float	Conditional	NO CONDITION
dimensions	Dimensions of the package in the given format	objects	Conditional	NO CONDITION

	[
	  {
	      "length_cm": int, (length)
	      "width_cm": int, (width)
	      "height_cm": int, (height)
	      "box_count": int (no of corresponding boxes)
	  }
	]			

callback	{
	      "uri": "string",
	      "method": "\<http method\>",
	      "authorization": "string",
	      "headers": {
	          "key1": "string",
	          "key2": "string"
	      }
	}
		object	conditional	

invoices	Invoices of the shipment
	[
	  {
	    "inv_number": "inv_number1\<str\>",
	    "inv_amount": "invoice amount (float)",
	    "qr_code": "Base64 String of QRcode (string)" (optional)
	    "ewaybill": "Ewbn number (string)" (optional)
	  },
	  {
	    "inv_number": "inv_number_2\<str\>",
		object	No	NO CONDITION. BUT SHOULD BE DONE UNTIL THE SHIPMENT IS IN THE FIRST MILE (TO BE COMPLIANT FROM REGULATORY ANGLE)

	"inv_amount": "invoice amount (float)",
	    "qr_code": "Base64 String of QRcode (string)" (optional)
	    "ewaybill": "Ewbn number (string)"
	  }
	]			

invoice_file	First invoice document. Allowed File Formats: [.png .jpg .jpeg .pdf .bmp] **Required if Paperless is enable for lr** Maximum No of Files Allowed: 10 Allowed File size: Max 20 MB Aggregated all files Multiple invoice_file are supported	File	conditional (Only allowed with invoices)	NO CONDITION

invoice_files_meta	This must contain details for an invoice file passed in the respective sequence in the list.
	For eg:
	[
	 {
	  "invoices": ["Inv_number1","inv_number2"]
	 }
	 {
	  "invoices": ["inv_number3"]
	 }
	]
		File	conditional (Required with invoice_file)	NO CONDITION

Response:

Request accepted [202]

```
{
    "success": true,
    "data": {
        "job_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee"
    },
    "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee"
}
```

Bad Request. [4xx/5xx]

```
{
        "success": false,
        "error": {
            "message": <string>,
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
        "success": false,
        "error": {
            "message": "The user is not authorized to perform this action.",
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Callback payload:
Success response callback:
```
{
        "success": true,
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b",
        "data": {
                "job_status": "completed",
                "job_id": <request_job_id>,
                "updated": ["consignee_name", "consignee_address"],
                "rejected": {
```

```
                    "consignee_pincode": "Not allowed after first mile",
            }
      }
}
Failure callback:
{
      "success": false,
      "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee",
      "error": {
        "message": "reason",
        "code": 123
    }
}
```

Edit LR Status API

Endpoint - /lrn/update/status

Method: GET

Headers

Parameter	Description	Type	Mandatory
Authorization	Bearer auth token	string	Yes

Query params:

Parameter	Description	Type	Mandatory
job_id	Job_id for which status to be fetched	String	Yes

Response:

Request success in processing [200]

```
{
     "success": true,
     "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b",
     "data": {
            "job_id": <request_job_id>,
            "job_status": "processing"
     }
}
```

Request success completed [200]

```
{
     "success": true,
     "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b",
     "data": {
            "job_status": "completed",
            "job_id": <request_job_id>,
            "updated": ["field_1", "field_2"],
```

```
            "rejected": {
                     "field_3": <error_string_reason>,
            }
      }
}
```

Bad Request. [4xx/5xx]

```
{
      "success": false,
      "error": {
          "message": <string>,
          "code": <int>,
      },
      "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
      "success": false,
      "error": {
          "message": "The user is not authorized to perform this action.",
          "code": <int>,
      },
      "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Sample Curl:

curl --location --request GET
'https://ltl-clients-api-dev.delhivery.com/lrn/update/status?job_id=dd036047-560c-4ac8-9f4f-ec554c
2431cb' \
--header 'Authorization: Bearer Token'

Get Label URLs API

Endpoint: /label/get_urls/<size>/<lrn>

API Type: Async

Method: GET

Headers:

Parameter	Description	Type	Mandatory
Authorization	Bearer Auth token received from Login API	string	Yes

Path Param:

Parameter	Description	Type	Mandatory
size	Size of the shipping label One of: [sm|md|a4|std]	string	Yes
lrn	Lorry receipt number	string	Yes

Response:

Request succeeded [200]

```
{
    "success": true,
    "request_id": "a19a72c5-1782-4f51-9abe-e96a69823f81",
    "data": [
"https://ltl-clients-api-dev.delhivery.com/print_label/md/882712362596?total_boxes=2&box
_index=1&hash=92a3f401216076320936ada7785419d540b12fe6e34e387b26831c00f627
59f3&timestamp=1683797726198",
"https://ltl-clients-api-dev.delhivery.com/print_label/md/882712362597?total_boxes=2&box
_index=2&hash=3e73aa07c20ce45aa9cc29d3e054e15b1d826c9c1e94505d382f0974ea9
71ea4&timestamp=1683797726198"
```

```
    ]
}
```

Generate Documents API

Endpoint: /generate/<doc_type>

API Type: async

Method: POST

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Auth Token	string	Yes
X-Request-Id	Request_id for the request	string	No
Content-Type	application/json	string	Yes

Path Param:

Parameter	Description	Type	Mandatory
doc_type	Document Type (shipping_label | lr_copy)	string	Yes

Request Payload - application/json

Parameter	Description	Type	Mandatory
lrns	LIst of LRNs (max size: 25)	List[string]	Yes

lr_copy_type	List from [
	    "SHIPPER COPY",
	    "ORIGIN ACCOUNTS COPY",
	    "REGULATORY COPY",
	    "LM POD",
	    "RECIPIENT COPY",
		List[String]	No

	] Default: all		
size	Size of shipping label (sm | md | a4 | std)	string	Needed only for shipping label

callback	{
	   "uri": string,
	   "method": ("POST" | "PUT" | "PATCH"),
	   "authorization": Optional<string>,
	   "headers": Dict
	}
		Dict	Yes

Response:

Response Accepted [202]

```
{
  "success": true,
  "request_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0",
  "data": {
    "job_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0"
  }
}
```

Callback Payload:

Success:

```
{
    "request_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0",
    "success": true
    "data": {
      "job_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0",
      "lrns": ["220040156","220040143","220040152"],
      "doc_type": "lr_copy"
      "presigned_url": ""
    }
}
```

Failure:

```
{
    "request_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0",
    "success": false
    "data": {
        "job_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0",
        "lrns": ["220040156","220040143","220040152"],
        "doc_type": "lr_copy"
        "failure_reason": ""
    }
}
```

Sample CURL:

```
curl --location 'https://ltl-client-service-dev.delhivery.com/generate/shipping_label' \
--header 'Authorization: Bearer Token' \
--header 'X-Client-Uuid: cms::client::67b0f557-b0c0-11ec-86ca-02d4e76f3bfb' \
--header 'X-Source: SYSTEM' \
--header 'X-User-Id: ums::user::71cf9c3a-0733-11ed-9761-0e139a8f4f25' \
--header 'Content-Type: application/json' \
--data '{
    "lrns": [
      "220040156", "220040143"
    ],
    "size": "a4",
    "callback": {
        "uri": "https://btob-api-dev.delhivery.com/v3/document/generate_label_pdf",
        "method": "POST",
        "authorization": "Bearer Token"
    }
}'
```

Generate Documents Status API

Endpoint: /generate/<doc_type>/status/<job_id>

API Type: sync

Method: GET

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Auth Token	string	Yes
X-Request-Id	Request_id for the request	string	No

Path Param

Parameter	Description	Type	Mandatory
doc_type	Document Type (shipping_label | lr_copy)	string	Yes
job_id	Job id received from Generate Documents Status API	string	Yes

Response:

Response [200]

```
{
  "success": true,
  "request_id": "b1eaf3ea-c5bc-410a-9a44-bc6bbf3ecda0",
  "data": {
  "success": true,
  "request_id": "8fac63d5-7b87-48b0-b211-82e879f2a47f",
  "data": {
    "job_id": "d914e5dc-d5d4-4c05-82ec-e8368af92ba0",
    "job_status": "success",
    "start_time": 1723624093117,
    "size": "std",
    "end_time": 1723624105054,
    "presigned_url": <url>
  }
}
```

```
}
```

```
curl --location --request GET
'https://ltl-clients-api.delhivery.com/generate/shipping_label/status/390927a3-1eaf-4df5-8aa7-87
027ac46e48' \
--header 'Authorization: Bearer <Token>'
```

Print LR Copy API

Endpoint: /lr_copy/print/<lrn>

API Type: Sync

Method: GET

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Auth Token	string	Yes
X-Request-Id	Unique request Id	string	No

Path Param:

Parameter	Description	Type	Mandatory
lrn	LRN	string	Yes

Query param:

Parameter	Description	Type	Mandatory
lr_copy_type	Which copy to get in the LR Copy from the list of following: ["SHIPPER COPY",	Comma separated string	No

	"ORIGIN ACCOUNTS COPY", "REGULATORY COPY", "LM POD", "RECIPIENT COPY",] Default: all		

Response:

Response OK [200]

A PDF file

Sample Curl:

curl --location https://ltl-clients-api-dev.delhivery.com//lr_copy/print/123456789 \
--header 'Authorization: Bearer Token'

LR Track API

Endpoint - /lrn/track

Method: GET

Headers

Parameter	Description	Type	Mandatory
Authorization	Bearer auth token	string	Yes

Query params:

Parameter	Description	Type	Mandatory
all_wbns	Whether to fetch all child waybills status or only master (if false)	Boolean	No
lrnum	Specifying LR number	String	Conditional

			(if not present, track_id is required)

Response:

Request success [200]

With only lrnum:
{
     "success": true,
     "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b",
     "data": {
      "lrnum": "240332724",
      "status": "REACH_DESTINATION",
      "mcount": 43,
      "wbns": [
        {
           "status": "REACH_DESTINATION",
           "location": "Jabalpur_Binaiki_H (Madhya Pradesh)",
           "wbn": "9556910644070",
           "count": 1,
           "lrnum": "240332724",
           "estimated_date": "2023-02-13T23:59:59",
           "promised_delivery_date": "2023-02-15T23:59:59",
           "pickup_date": "2023-02-11T03:47:02",
           "manifested_date": "2023-02-10T23:47:04",
           "scan_remark": "Delivery rescheduled based on input from consignee",
           "scan_timestamp": "2023-02-13T15:03:20"
        }
      ]
     }
}

With all_wbn true:
{
   "success": true,
   "request_id": "0b646739-20cc-4a36-8e5e-656d516a3a7c",
   "data": {
     "lrnum": "224051941",
     "status": "LEFT_ORIGIN",
     "mcount": 2,
     "wbns": [
       {

```
                "status": "LEFT_ORIGIN",
                "location": "Gurgaon_Tauru_GW (Haryana)",
                "wbn": "15310456934",
                "count": 1,
                "lrnum": "111011941",
                "estimated_date": "2023-02-22T23:59:59",
                "promised_delivery_date": "2023-02-23T23:59:59",
                "pickup_date": "2023-02-20T19:04:31",
                "manifested_date": "2023-02-20T21:41:11",
                "scan_remark": "Bag Added To Trip",
                "scan_timestamp": "2023-02-21T04:51:06"
            },
            {
                "status": "LEFT_ORIGIN",
                "location": "Gurgaon_Tauru_GW (Haryana)",
                "wbn": "15310456933",
                "count": 1,
                "lrnum": "111011941",
                "estimated_date": "2023-02-22T23:59:59",
                "promised_delivery_date": "2023-02-23T23:59:59",
                "pickup_date": "2023-02-20T19:04:31",
                "manifested_date": "2023-02-20T21:41:11",
                "scan_remark": "Bag Added To Trip",
                "scan_timestamp": "2023-02-21T04:51:00"
            }
        ]
    }
}
```

Bad Request. [4xx/5xx]

```
{
        "success": false,
        "error": {
            "message": <string>,
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
        "success": false,
        "error": {
            "message": "The user is not authorized to perform this action.",
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

LR Cancellation API

Endpoint: /lrn/cancel/<lrn>

API Type: sync

Method: Delete

Path Param

Parameter	Description	Type	Mandatory
lrn		string	Yes

Response:

Request completed [200]

```
{
        "success": true,
        "data": {}
        "request_id": "ecd4780e-d4c6-4a16-9345-4b44f8d3c7ee"
}
```

Bad Request. [4xx/5xx]

```
{
        "success": false,
        "error": {
            "message": <string>,
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Authorization error. [401/403]

```
{
        "success": false,
        "error": {
            "message": "The user is not authorized to perform this action.",
            "code": <int>,
        },
        "request_id": "88bab2de-d3d0-4477-86d7-65fd96c4157b"
}
```

Freight Charges API

Endpoint - /lrn/freight-breakup

Method Type: GET

API Type: Sync

Query Parameters:

Parameter	Description	Type	Mandatory
lrns	Comma separated string of lrnums eg: lrn1,lrn2 Limits: Max 25 lrns Allowed	string	Yes

Headers

Parameter	Description	Type	Mandatory

Authorization	Bearer auth token	string	Yes

Request curl:

curl --location 'https://ltl-clients-api-dev.delhivery.com/lrn/freight-breakup?lrns=xxxxxx70' \
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxx

Response:

1. Request success [200]

```
{
  "success": true,
  "data": {
    "<lrn_num_1>": {
      "total": <total charge>,
      "charged_wt": <>,
      "min_charged_wt": <>,
      "fwd_price_breakup": {
        "base_freight_charge": <float>,
        fuel_surcharge: <float>,
        "insurance_rov": <float>,
        "oda": {"fm": <float>, "lm": <float>},
        "fm": <float>,
        "lm": <float>,
        "green": <float>,
        "other_handling_charges": <float> **otherFreightCharges,
        "pre_tax_freight": <float>,
        "gst": <float>,
        "markup": <float>,
        "fuel_hike": <float>,
        "meta_charges": { <object str:float> *meta_charges }
      }
      "rto_price_breakup": {
        // if .rto is not present = do not show rto_price_breakup
        "base_freight_charge": <float>,
        fuel_surcharge: <float>,
        "insurance_rov": <float>,
        "oda": {"fm": <float>, "lm": <float>},
        "fm": <float>,
        "lm": <float>,
        "green": <float>,
        "other_handling_charges": <float> **otherFreightCharges,
```

```
            "pre_tax_freight": <float>,
            "gst": <float>,
            "fuel_hike": <float>,
            "meta_charges": { <object str:float> **meta_charges }
        }
    },
    "<lrnum2>": {breakup_data}
  },
  "request_id": <str_uuid>
}
```
otherFreightCharges: sum of meta charges
***meta_charges: str:float object for all the charges not present in the breakup*

2. Only partial lrn are correct [200]

```
{
   "success": True,
   "data": {
      "lrn1": {"error": "Not authorized to see the lrn details"},
      "lrn2": {break up},
      "lrn3": {"error": "Invalid LRN"}
   }
   "request_id": <str_uuid>
}
```

3. Auth Error [401/403]

```
{
   "success": False,
   "error": {
      "message": "The user is not authorized to perform this action.",
      "code": <int>,
   },
   "request_id": <str_uuid>
}
```

4. Failure [4xx/5xx]

```
{
   "success": False,
   "error": {
```

```
        "message": <string>,
        "code": <int>,
    },
    "request_id": <str_uuid>
}
```

Document Download API

Endpoint: /document/download

API Type: sync

Method: GET

Headers:

Parameter	Description	Type	Mandatory
Authorization	UMS Bearer Token	string	Yes
X-Request-Id	Unique Request ID	string	No

Query Param:

Parameter	Description	Type	Mandatory
lrn	LRN	string	Either lrn or mwn is required
mwn	MWN	string	Either lrn or mwn is required
doc_type	Document Type to download	string	No
auto_download	If passed true, downloads the first matched document.	string	No
version	Version (all | latest) Default: latest	String	No
fields	Fields to display in metadata Default: None	string	No

Response:

Request succeeded [200]

```json
{
  "data": [
    {
      "url": "https://dev-package-documents.s3.amazonaws.com/PKG/5703110017835/INVOICE/INVOICE_220023641_12_13_2022-16_28_42_810.pdf?response-content-disposition=attachment%3B%20filename%3D5703110017835-EINVOICE_QR.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=ASIARIGS3RKBDOW45M6L%2F20230502%2Fap-south-1%2Fs3%2Faws4_request&X-Amz-Date=20230502T064735Z&X-Amz-Expires=3600&X-Amz-SignedHeaders=host&X-Amz-Security-Token=IQoJb3JpZ2luX2VjEK7%2F%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaDmFwLXNvdXRoZWFzdC0xIkcwRQIhAPoyihcgDdO%2F7wZVGq4bqKKWsVACgXwiaetphYgZzUmvAiBpmHqVH%2BdVqwpVBw2F3OkwuGPngEZvzg5S54u31fyPairJBQi3%2F%2F%2F%2F%2F%2F%2F%2F%2F%2F%2F8BEAAaDDA4NjM0MTU1Mjc3MCIMV4HGWHbup0WS%2B3%2FrKp0FtMmP8%2B630TP1NIKPijIIO%2FqpA96I6C8BG0EXOhWD%2BjV93hmTZvs2i5a0jvESbbcWZ7UnkQKo6pNgi%2FNqJ35JqGZCOjHabutHndsZbrv7CjG0z0OFZpadUG3xsY4r5WFNjYk%2BO0%2BDtuvkuk5OswKyJqTkXq6yRTMc4fCG32G13%2FvWwBGlSgg%2BAwS%2Fg%2FE%2FenS7RqjMVGAW2vXmsxDHGohUye0yDcYW1%2Fx1FNUUa%2BIQKKqBbZbtc0Zr%2BWGCUcZYeMTXX151LEt6zzwBc%2BI%2Bfcd32amJVi4327ZXLW24fUCvwND%2Fd3SDz7XskuIxeLft05CZ43gFTTu4Fudgj3CSx6bui1ceV5gqGeTWitRo3RH3DIU8%2FglR0%2BAKrOxy2WM5%2FjY%2Bjz0RxvYkIjAu33rUuzt5%2FbI%2FVQEGJJnDNyCgBWaGelp%2BQ3Jwz1JHCWp%2B0aFgjQLJwROyQUWkF%2BDhh797H%2B8JRE8NaAtn5HPWPs7H%2Fjl61u8zcZ35%2F6iwVY4%2B%2BT946dLpdrBKk7iRDiZavWY0yLghWjjFipFZ20sZANoBfHuGr%2FfzE3DXAPJZzD0JgLnX8FKCyhWhr2aXHdl7ZSNaDu3NHcOBAYP9wb%2F2Tr%2FbQjGXC5si3NIFh%2BtVrSOatkuwOYwq02zc%2BVMI2AjjVAPekcmOno6mp6VxGQq8hpidLeC8xRTv51%2FvTsRrdzBd6q8qvhU%2F6OBzIhs%2Feknv6wJskKareCMErCDHUVENaZpckLevzJkU2pANTj1ob%2BTg1jFCmV%2BDHzhBPBr2MrgXPmpf2nBZ4iatQ6kXFq8usa2SNoJxRXZC%2BLMUcdkl0Hz2gRclx%2FE%2FrU%2F1tWY2XoQP1%2BBBVqWhgPhsNRX2VunE1Jdh9brrvJR9%2Bhsi%2BKedcXMjL7ngRMLTFwqIGOrEBXSBzSQtBFD0WOI9RrMABI5pbevPXCHLgUcLtX5EI%2FKV1xTWQNEQk%2FJMWm12Xe%2FCFtgdA9IFVLSJG06SYLk7pLwBdaSS%2BBST7MCtCag%2FGkuRGu3Iy1G04bDgNMsHLsa5%2BKDqZ5JfwMHso1dVMwyvqrEUxUZ5%2Ftiefdh2Ua6iQa9h1pGWEm4JCjl5G3pT25d14tuvOZgGkAzky7GO1xJ08dr2wvjFnQa70OXZauLcV6OeGN&X-Amz-Signature=d975d9dc81ef2e3b19b4efb5d4da0a17d7dd4948540c98ea9a508897c2921f44",
      "doc_type": "EINVOICE_QR",
      "token": "0377ad6f7ef65564369d6125be66b795a1ebb610",
      "metadata": {
        "lrn": "220023641",
        "mwbn": "5703110017835",
        "cl": "CLIENT_NAME",
        "type": "PKG",
        "source": "b2b_uploads_panel"
      },
```

```
          "creation_date": "2023-04-20 15:19:24"
       }
    ],
    "success": true,
    "request_id": "..."
}
```

Sample Curl:

curl --request GET
'https://ltl-clients-api-dev.delhivery.com/document/download?lrn=220079606&doc_type=LM_PO
D&audo_download=false&version=latest' \
--header 'Authorization: Bearer Token'