



Fship API Integration Guide

V1.2.3.2



DOCUMENT REVISION HISTORY

Version	Date	Edited by	Summary of Change
1.1.0.0	December 10, 2022	Rajeev Ranjan	Initial Draft
1.1.0.1	February 26, 2023	Rajeev Ranjan	Revised based on the API's output
1.2.0.0	March 30, 2023	Rajeev Ranjan	Added APIs to Get Courier list, Register pickup and Ship orders from Fship system
1.2.1.0	May 25, 2023	Rajeev Ranjan	Changed Register pickup API to support multiple waybills from different courier different warehouse in one go
1.2.3.2	Feb 1, 2024	Rajeev Ranjan	Added RTO action to support RTO when courier company raises Exception



INTRODUCTION

Using the **FShip** API guide, developers can integrate our customer delivery platform into their applications. The API is designed to allow application developers for:

- **Courier Management**

Get Courier List

- **Warehouse Management**

Add Warehouse

Update Warehouse

- **Manage Order**

Create Forward Order

Create Reverse Order

Cancel Order

Shipping Labels

Track Orders - Tracking History, Latest Status

- Rate Calculator
- Pincode Serviceability Check

Type of Operations

- **Forward Operations** – Orders that are originating at client warehouse or seller side and are to be delivered to end customer.
- **Reverse Operations** – Return orders that are originating at customer side and are to be delivered or returned to client warehouse or seller.

Terminology

- **AWB** – Also known as waybill number or airwaybill number is unique tracking number which is obtained when any order is successfully placed within **FShip** system.
- **Order Id** – Unique Order Id is given to every order within **FShip** System for references.
- **Authentication** – Each **FShip** API request requires an Authentication Token called as *signature*, to process your API request in our system. You will be shared Staging and Production API keys/signature from the **FShip** Team.

- **Environments**

Staging/Sandbox

URL – <https://capi-qc.fship.in>

Swagger URL – <https://capi-qc.fship.in/swagger/index.html>

Security Key – [085c36066064af83c66b9dbf44d190d40feec79f437bc1c1cb](#)

Production

URL – <https://capi.fship.in>

Swagger URL – <https://capi.fship.in/swagger/index.html>

Security Key – Obtained from – **Settings > API Details > Client Key**

- All our API is REST-based which means:



- ✦ It makes use of standard HTTP verbs like GET, POST ✦ The API uses standard HTTP error responses to describe errors.
- ✦ Authentication is specified with HTTP Token Authentication.
- ✦ POST data should be encoded as standard application/json
- **Response** – *FShip* API uses HTTP status codes to indicate the status of your requests. This includes successful and unsuccessful responses. All responses are in JSON by default.
 - Status Codes
 - ✦ 200 - OK: Everything went as planned.
 - ✦ 400 - Bad Request: You did something wrong. Often a missing argument or parameter.
 - ✦ 401 - Unauthorized: Authentication was incorrect.
 - ✦ 404 - Not Found
 - ✦ 500 - Internal Server Error: We had a problem processing the request.
 - ✦ 503 - Service Unavailable: Try again later.

GET COURIER LIST

This API can be used to get list of couriers available on *FShip* system.

Method

GET

Staging/Test Environment URL

<https://capi-qc.fship.in/api/getallcourier>

Sample Payload	Successful Response
	<pre>[{ "courierId": 1, "courierName": "Bluedart", "logoUrl": "string" }]</pre>
Headers: Content-Type* – application/json signature* – SECURITY TOKEN KEY	

**Curl Request:**

```
curl --location --request POST 'https://capi-qc.fship.in/api/getallcourier' \
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \
--header 'Content-Type: application/json' \
```

ADD WAREHOUSE

Pickup locations are required to be created, from where pickup has to be done. Users can also add multiple pickup locations using Warehouse creation API. Each address is assigned with unique **address id**, (can be find in **FShip** Dashboard under **Manage Warehouse**) which will be use while order creation. This usually comes under advance integration, and hence before creating an order, the client warehouse needs to be created in our system.

Note:

- *Integration of this API is completely optional, as the same can be created using **FShip** Dashboard. But if the business use case demands dynamic pickup locations addition, then this API is good to integrate with.*
- *The pickup address will be also be registered as return address, by default.*

Method**POST****Staging/Test Environment URL**

<https://capi-qc.fship.in/api/addwarehouse>

Sample Payload	Successful Response
<pre>{ "warehouseId": 0, "warehouseName": "string", "contactName": "string", "addressLine1": "string", "addressLine2": "string", "pincode": "string", "city": "string", "stateId": 0, "countryId": 0, "phoneNumber": "string", "email": "string" }</pre>	<pre>{ "warehouseId": 0, "status": true, "response": "string" }</pre>

**Definition:**

address_title* – Name of the warehouse. It has to be unique and cannot be used again.
addressee* – Name of the contact person in warehouse.
full_address* – Full address of the warehouse without city & state.
phone* – 10-digit mobile number of warehouse
pincode* – 6-digit valid Pincode of the warehouse address.

Headers:

Content-Type* – application/json
signature* – SECURITY TOKEN KEY

Curl Request:

```
curl --location --request POST 'https://capi-qc.fship.in/api/AddWarehouse' \  
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \  
--header 'Content-Type: application/json' \  
--data-raw \  
{  
  "warehouseId": 0,  
  "warehouseName": "string",  
  "contactName": "string",  
  "addressLine1": "string",  
  "addressLine2": "string",  
  "pincode": "string",  
  "city": "string",  
  "stateId": 0,  
  "countryId": 0,  
  "phoneNumber": "string",  
  "email": "string"  
}
```

UPDATE WAREHOUSE

Update API facilitates to change the existing warehouse details within **FShip** system. You can change all details except the warehouse name. Which is unique & works as identifier for **FShip** system.

Note:

- Integration of this API is also optional, as the same can be updated using **FShip** Dashboard.
- The pickup address will be also be registered as return address, by default.

Method**POST****Staging/Test Environment URL**

https://capi-qc.fship.in/api/updatewarehouse



Sample Payload	Successful Response
<pre>{ "warehouseId": 0, "warehouseName": "string", "contactName": "string", "addressLine1": "string", "addressLine2": "string", "pincode": "string", "city": "string", "stateId": 0, "countryId": 0, "phoneNumber": "string", "email": "string" }</pre>	<pre>{ "warehouseId": 0, "status": true, "response": "string" }</pre>
<p>Definition:</p> <p>address_title* – Name of the warehouse. It has to be unique and cannot be changed. addressee* – Name of the contact person in warehouse. full_address* – Full address of the warehouse without city & state. phone* – 10-digit mobile number of warehouse pincode* – 6-digit valid Pincode of the warehouse address.</p> <p>Headers:</p> <p>Content-Type* – application/json signature* – SECURITY TOKEN KEY</p>	
<p>Curl Request:</p> <pre>curl --location --request POST 'https://capi-qc.fship.in/api/UpdateWarehouse' \ --header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \ --header 'Content-Type: application/json' \ --data-raw '{ "warehouseId": 0, "warehouseName": "string", "contactName": "string", "addressLine1": "string", "addressLine2": "string", "pincode": "string", "city": "string", "stateId": 0, "countryId": 0, "phoneNumber": "string", "email": "string" }'</pre>	

CREATE FORWARD ORDER

This API is used to place a new **forward order** in our system. Every time an order is created a unique waybill & order id is dynamically assigned to it.

**Note:**

- This API facilitates single order only. For bulk order you can use Bulk Order option within **FShip Dashboard**.

Method**POST****Staging/Test Environment URL**<https://capi-qc.fship.in/api/createforwardorder>

Headers: Content-Type* – application/json signature* – SECURITY TOKEN KEY	
Forward Order Sample Payload	Definition of parameters
<pre>{ "customer_Name": "string", "customer_Mobile": "string", "customer_Emailid": "string", "customer_Address": "string", "landMark": "string", "customer_Address_Type": "string", "customer_PinCode": "string", "customer_City": "string", "orderId": "string", "invoice_Number": "string", "payment_Mode": 0, "express_Type": "string", "is_Ndd": 0, "order_Amount": 0, "tax_Amount": 0, "extra_Charges": 0, "total_Amount": 0, "cod_Amount": 0, "shipment_Weight": 0, "shipment_Length": 0, "shipment_Width": 0, "shipment_Height": 0, "volumetric_Weight": 0, "latitude": 0, "longitude": 0, "pick_Address_ID": 0, "return_Address_ID": 0, "products": [{ "productId": "string", "productName": "string", "unitPrice": 0, "quantity": 0, "productCategory": "string",</pre>	<p>Name of the Customer – required</p> <p>Customer's 10-digit mobile number – required</p> <p>Customer's emailed</p> <p>Customer's Address Line 1 – required</p> <p>Customer's Address Line 2</p> <p>Type of Address – Home, Office. <i>Default: Home</i></p> <p>Pincode of customer's address – required</p> <p>Customer's address' city</p> <p>External Order Id</p> <p>Invoice number</p> <p>Mode of Payment – 1=COD, 2=PREPAID .</p> <p>Mode of express – air or surface. – required</p> <p>Next Day Delivery. 1 = Yes, 0 = no. <i>Default: 0</i></p> <p>Amount</p> <p>Tax Amount</p> <p>Extra Charges, if any.</p> <p>Total Amount = Amount + Tax Amount + Extra Charges</p> <p>Collectible amount.</p> <p>Weight of Shipment in Kgs. – required</p> <p>Length of shipment in cms. – required</p> <p>Width of shipment in cms. – required</p> <p>Height of shipment in cms. – required</p> <p>Volumetric weight of shipment in Kgs.</p> <p>Latitude of Destination Address</p> <p>Longitude of Destination Address</p> <p>Pickup Address Id. – required</p> <p>Return Address Id, if different of pick address.</p> <p>Product Details</p> <p>Product Id, if any</p> <p>Name of the Product – required</p> <p>Unit price of the product</p> <p>Quantity of the product</p> <p>Any description of the product</p>



<pre>"hsnCode": "string", "sku": "string", "taxRate": 0, "productDiscount": 0 }], "courierId": 0</pre>	<p>HSN code of the product SKU Code of the product Tax percentage applied on the product Discount if Any</p> <p>Courier Id</p>
<p>Successful Response:</p> <pre>{ "route_code": "string", "order_status": "string", "apiorderid": 0, "waybill": "string", "status": true, "response": "string" }</pre>	

Additional Info:

- You just need to pass address id for pick_address_id, parameter. Address Id can be obtained from **FShip** Dashboard, under Manage Warehouse, option.
- By default, Return Address (in case of RTO), will be same as pick address, if no return_address_id, is given.
- You can pass return_address_id, if you want to get the shipment returned to different address from that of pick-up address.
- If null or 0, value is passed for cod_amount, **FShip** system will assume it Prepaid order.
- Volumetric Weight is calculated – (LxBxH/5000).
- For multiple products in single shipment, you can pass array of products, as shown in payload with necessary details.



SHIPPING LABEL

This API provides all information required to be on the shipment packing slip and a client can design it as per the requirement.

Note:

- You can pass comma separated multiple waybill numbers to get details of multiple shipment.

Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/shippinglabel>

Headers: Content-Type* – application/json signature* – Security token key	
Sample Payload – For single waybill	Sample Payload – For multiple waybills
<pre>{ "waybill": "SGECLKPW88LR5W001S" }</pre>	<pre>{ "waybill": "SGECLKPW88LR5W001S,R17986150PAE" }</pre>
Successful Response <pre>{ "status": "success", "resultSummary": { "Total AWBs": 1, "Valid AWBs": 1, "Invalid AWBs": 0 }, "resultDetails": { "SGECLKPW88LR5W001S": { "AWBStatus": "success", "OrderId": "1000160", "AWBNumber": "SGECLKPW88LR5W001S", "RoutingCode": "BNGLR", "ShipmentType": "forward", "PaymentMode": "COD", "CODAmount": "2999.00", "OrderDate": "2021-05-28", "InvoiceNum": "", "ShipmentWt": "1.60", "FulfilledBy": "Udaan", "SellerName": "", "ConsigneeDetails": { "CustomerName": "Sudip Chabra",</pre>	<pre> "State": "Haryana", "Pincode": "226010" }, "ReturnTo": { "ReturnAddress": "E-22, Vigyan Khand, Gomti Nagar, Near Landmark", "ReturnContact": "9696000016", "City": "BANGALORE", "State": "KARNATAKA", "Pincode": "560034" }, "Products": [{ "ProductName": "Shirt", "ProductSKU": "NA", "ProductQty": "1", "ProductValue": "1000.00" }, { "ProductName": "Jeans", "ProductSKU": "JNA", "ProductQty": "2", "ProductValue": "1200.00" }] } }</pre>



<pre> "CustomerContact": "9089087654", "CustomerAltContact": "", "CustomerAddress1": "My Home Address", "CustomerAddress2": "Near some landmark", "City": "Gurgaon", </pre>	<pre> } </pre>
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CANCEL SHIPMENT

This API can be used to cancel any shipment in **FShip** system, but you have to make sure that the order is in right state in order to be cancelled.

Note:

- *Integration of this API is completely optional, as the shipments can be cancelled using **FShip** Dashboard also.*
- *The order should be in Booked or Manifested state only, to get cancelled.*

Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/cancelorder>

Sample Payload

```

{
  "reason": "string",
  "waybill": "string"
}

```

Definition:

waybill* – Waybill Number to mark shipment as cancelled.
reason – Reason for cancelling the order (non-mandatory)

Headers:

Content-Type* – application/json signature*
– Security token key

Curl Request:

```

curl --location --request POST 'http://fship-client-api-qc/api/ CancelOrder' \
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \
--header 'Content-Type: application/json' \
--data-raw
' {
  "reason": "string",
  "waybill": "string"
}'

```



Successful Response

```
{
  "status": true,
  "response": "string"
}
```

SHIP ORDER

This API can be used to place order of such shipments that are created in *FShip* system but their AWB is not generated.

Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/shiporder>

Sample Payload

```
{
  "apiorderid": 79037,
  "courierId": 1
}
```

Definition:

apiorderid * – API order id.

courierId – Courier Id (non-mandatory)

Headers:

Content-Type* – application/json signature*
– Security token key

Curl Request:

```
curl --location --request POST 'http://fship-client-api-qc/api/shiporder' \
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \
--header 'Content-Type: application/json' \
--data-raw
'{
  "apiorderid": 79037,
  "courierId": 1
}'
```



Successful Response

```
{
  "order_status": "string",
  "apiorderid": 0,
  "waybill": "string",
  "status": true,
  "response": "string"
}
```

REGISTER PICKUP

This API can be used to register pickup in *FShip* system.

Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/registerpickup>

Sample Payload

```
{
  "waybills": [
    "string"
  ]
}
```

Definition:

apiorderid * – API order id.

courierId – Courier Id (non-mandatory)

Headers:

Content-Type* – application/json signature*
– Security token key

Curl Request:

```
curl --location --request POST 'http://fship-client-api-qc/api/registerpickup' \
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \
--header 'Content-Type: application/json' \
--data-raw
'{
  "waybills": [
    "string"
  ]
}'
```



Successful Response

```
{
  "apipickuporderids": [
    {
      "pickupOrderId": 0,
      "waybills": [
        "string"
      ]
    }
  ],
  "status": true,
  "response": "string"
}
```

TRACKING HISTORY

You can use this API to track any shipment in **FShip** system. You can get details of all scans of entire travel lifecycle of any shipment.

Note:

- This API takes single valid waybill number only for getting scans of the shipment.

Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/trackinghistory>

Sample Payload	Headers
<pre>{ "waybill": "143455210101006" }</pre>	<p>Content-Type* – application/json signature* – Security token key</p>
<p>Curl Request:</p> <pre>curl --location --request POST 'https://capi-qc.fship.in/api/trackinghistory' \ --header 'signature: bearer XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \ --header 'Content-Type: application/json' \ --data-raw '{ "waybill": "143455210101006" }'</pre>	
<p>Successful Response</p> <pre>{ "status": true, "error": false, "response": "Scan data available.", "summary": { "waybill": "143455210101006", "apiorderid": 123, "orderid": "APX12", "fulfilledby": " Xpressbees",</pre>	



```
"statusid": 9,
"status": "In Transit",
"lastscandate": "2023-07-23T15:27:27.003"
"orderedon": "2021-09-01T20:19:09.659Z"
},
"trackingdata": [
  {
    "DateandTime": "2021-09-01 20:19:22"
    "Status": "In Transit",
    "Remark": "Shipment InScan from Manifest",
    "Location": "Muradnagar, MODINAGAR, UTTAR PRADESH",
    "shipmentJourney": 0
  },
  {
    "DateandTime": "2021-09-08 20:19:22",
    "Status": "Dispatched",
    "Remark": "Out for delivery",
    "Location": "DEL/GNA, NOIDA, UTTAR PRADESH",
    "shipmentJourney": 0
  },
]
}
```

SHIPMENT CURRENT STATUS

You can use this API to fetch latest status of any shipment in **FShip** system.

Note:

- *This API takes single valid waybill number only for getting latest status of the shipment.*

Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/shipmentssummary>

Sample Payload	Headers
{ "waybill": "143455210101006" }	Content-Type* – application/json signature* – Security token key

**Curl Request:**

```
curl --location --request POST 'https://capi-qc.fship.in/api/ShipmentSummary' \
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \
--header 'Content-Type: application/json' \
--data-raw
'{
  "waybill": "143455210101006"
}'
```

Successful Response

```
{
  "status": true,
  "error": false,
  "response": "Shipment summary available",
  "summary": {
    "waybill": "143455210101006",
    "orderid": "1",
    "fulfilledby": "XPressBees",
    "orderedon": "2021-05-19 15:37:52",
    "lastscanned": "2021-09-08 20:19:22",
    "statuscode": "226",
    "status": "Delivered",
    "location": "DEL/GNA, NOIDA, UTTAR PRADESH",
    "remark": "Shipment Delivered by SR: Rahul Kumar"
  }
}
```

RATE CALCULATOR

You can use this API to get approximate forward charges for the any shipment/order for **FShip** system.

Note:

- *Integration of this API is completely optional, as the rates can be obtained using **FShip** Dashboard also.*
- *This API return approx. charges for order excluding any “Additional Charges & GST”.*

Method**POST****Staging/Test Environment URL**<https://capi-qc.fship.in/api/ratecalculator>

Sample Payload	Headers
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```
{
  "source_Pincode": "string",
  "destination_Pincode": "string",
  "payment_Mode": "string",
  "amount": 0,
  "express_Type": "string",
  "shipment_Weight": 0,
  "shipment_Length": 0,
  "shipment_Width": 0,
  "shipment_Height": 0,
  "volumetric_Weight": 0
}
```

Content-Type* – application/json
signature* – Security token key

Definition:

payment_mode* – COD/P.

Curl Request:

```
curl --location --request POST 'https://capi-qc.fship.in/api/RateCalculator' \
--header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \
--header 'Content-Type: application/json' \
--data-raw
'{
  "source_Pincode": "string",
  "destination_Pincode": "string",
  "payment_Mode": "string",
  "amount": 0,
  "express_Type": "string",
  "shipment_Weight": 0,
  "shipment_Length": 0,
  "shipment_Width": 0,
  "shipment_Height": 0,
  "volumetric_Weight": 0
}'
```

Successful Response

```
{
  "status": true,
  "response": "",
  "shipment_rates": [
    {
      "courier_name": "Surface Xpressbees",
      "shipping_charge": 23,
      "cod_charge": 20.35,
      "rto_charge": 20.5,
      "service_mode": "surface"
    }
  ]
}
```



PINCODE SERVICEABILITY

You can use this API to check serviceability of destination Pincode in **FShip** system including other services available in queried pincode.

Note:

- *Integration of this API is completely optional, as Pincode serviceability can be checked using **FShip** Dashboard also.*

Method

POST

Staging/Test Environment URL

https://capi-qc.fship.in/api/pincode-serviceability

Sample Payload	Headers
<pre>{ "source_Pincode": "string", "destination_Pincode": "string" }</pre>	<p>Content-Type* – application/json signature*</p> <p>– Security token key</p>
<p>Curl Request:</p> <pre>curl --location --request POST 'https://capi-qc.fship.in/api/ PincodeServiceability' \ --header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \ --header 'Content-Type: application/json' \ --data-raw '{ "source_Pincode": "string", "destination_Pincode": "string" }'</pre>	
<p>Successful Response</p> <pre>{ "source": "string", "destination": "string", "pickup": "string", "reverse": "string", "prepaid": "string", "cod": "string", "status": true, "response": "string" }</pre>	

Re-attempt Order

Use this API to take an action against any AWB.

Note:

- *Action is allowed only when Courier Company raises Exception. Supported Action Types: re-attempt, change-address, change-phone, rto*



Method

POST

Staging/Test Environment URL

<https://capi-qc.fship.in/api/reattemptorder>

Sample Payload	Successful Response
<pre>{ "apiorderid": 0, "action": "re-attempt", "reattempt_date": "2023-08-30T11:11:15.277Z", "contact_name": " customer name here", "complete_address": "customer address here", "landmark": "", "mobilenumber": "", "remarks": "" }</pre>	<pre>{ "status": true, "response": "" }</pre>
Headers: Content-Type* – application/json signature* – SECURITY TOKEN KEY	
Curl Request: curl --location --request POST 'https://capi-qc.fship.in/api/reattemptorder' \ --header 'signature: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \ --header 'Content-Type: application/json' \ --data-raw '{ "apiorderid": 0, "action": "re-attempt", "reattempt_date": "2023-08-30T11:11:15.277Z", "contact_name": " customer name here", "complete_address": "customer address here", "landmark": "", "mobilenumber": "", "remarks": "" }'	