

IW Express API Documentation V 2.7

Environment - Development

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API #1: Consignment Creation

API URL: <https://dev-b2b.iwexpress.com:5001/iwexpress/iwe-integration-service/softdata/upload>

Request Type: POST

Input Authorization: Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVbO9Yq4QBUwGSvNM0bGpYUVC3iY8jXsJw0

Request Payload

POST

/iwe-integration-service/softdata/upload SoftData Upload

Parameters

Authorization * required

string

(header)

Description

Authorization

Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVbC

newConsignment * required

(body)

Description

newConsignment

Example Value

Model

```
{
  "cod_amount": "0",
  "cod_collection_mode": "cash",
  "cod_favor_of": "test",
  "consignment_type": "FORWARD",
  "customer_code": "IWC",
  "currency": "",
  "customer_civil_id": "",
  "receiver_civil_id": "",
  "customer_reference_number": "8234995",
  "declared_value": 100,
  "description": "Gift articles",
  "destination_details": {
    "address_line_1": "house 61 Block 5, street 517",
    "address_line_2": "LF Logistics/Mohebi Logistics, Plot",
    "alternate_phone": "string",
    "city": "RIYADH",
    "country": "KSA",
    "name": "Hohammad Alismaim",
    "phone": "string",
    "pincode": "91710",
    "state": "string"
  }
}
```

Response with <Consignment Reference Number>

SAMPLE REQUEST

```
{
  "cod_amount": "100",
  "currency": "SAR",
  "cod_collection_mode": "cash",
  "cod_favor_of": "test",
  "consignment_type": "FORWARD",
  "customer_code": "GNM",
  "customer_reference_number": "296163865",
  "customer_civil_id": "23333333",
  "receiver_civil_id": "466655557",
  "declared_value": 100,
  "description": "Gift",
  "destination_details": {
    "address_line_1": "house 61 Block 5, street 517",
    "address_line_2": "LF Logistics/Mohebi Logistics, Plot",
    "alternate_phone": "string",
    "city": "Kuwait",
    "country": "Kuwait",
    "name": "محمد الصميم",
    "phone": "string",
    "pincode": "91710",
    "state": "string"
  },
  "dimension_unit": "CM",
  "height": "5",
  "is_risk_surcharge_applicable": true,
}
```

```

"length": "10",
"load_type": "DOCUMENT",
"notes": "test",
"num_pieces": 10,
"origin_details": {
  "address_line_1": "LF Logistics/Mohebi Logistics, Plot",
  "address_line_2": "Mohebi Logistics; Plot WT01 & WT04",
  "alternate_phone": "",
  "city": "Dubai",
  "country": "UAE", "name":
  "مجموعة الكوخ",
  "phone": "97101606811863",
  "pincode": "8005",
  "state": "DUBAI"
},
"pieces_detail": [
  {
    "declared_value": 100,
    "description": "Gift",
    "height": 100,
    "length": 500,
    "weight": 1.2,
    "width": 200,
    "quantity": "1"
  }
],
"service_type_id": "PREMIUM",
"weight": 1.2,
"weight_unit": "KG",
"width": "200"
}

```

Attributes	Condition	Remarks
customer_code	Mandatory	Customer code defined in IW Express
service_type_id	Mandatory	Pass it as a "PREMIUM" (Hardcoded)
dimension_unit	Mandatory	Unit for dimensions of piece. Allowed: 'cm', 'in', 'mm', 'm'. default is 'cm'
length	Mandatory	Length of consignment piece (cm). Required in pieces_details for NON-DOCUMENT
width	Mandatory	Width of consignment piece (cm). Required in pieces_details for NON-DOCUMENT
height	Mandatory	Height of consignment piece (cm). Required in pieces_details for NON-DOCUMENT
volume	Optional	Volume of consignment
volume_unit	Optional	Unit of volume. Allowed: 'ccm', 'cd3', 'cl', 'foz', 'ft3', 'gal', 'hl', 'l', 'ml', 'mm3', 'pt', 'qt', 'yd3', 'mmq', 'µl'. Default is 'cm3'
weight	Mandatory	Weight of consignment. Required in pieces_details for NON-DOCUMENT
weight_unit	Mandatory	Unit of Weight. Optional Allowed: 'gm', 'kg', 'kt', 'lb', 'mg', 'oz', 'to', 'ton'. Default is 'kg'.
consignment_type	Mandatory	Consignment Type. Allowed types ('forward', 'reverse')
currency	Mandatory	Currency of consignment
load_type	Optional	load type for the consignment. Allowed: ('DOCUMENT', 'NON-DOCUMENT')
cod_amount	Optional	COD amount to be collected for the consignment under consideration
cod_collection_mode	Optional	COD collection mode. Allowed ("cash", "cheque", "dd")
cod_favor_of	Optional	Details of the entity in whose name collection is to be made

customer_civil_id	Optional	Civil ID of the Customer
receiver_civil_id	Optional	Civil ID of the Receiver
customer_reference_number	Optional	Customer's order number
declared_value	Optional	Declared value of consignment. Also accepted as an Integer
description	Optional	Description of the consignment
is_risk_surcharge_applicable	Optional	Insurance value . Allowed values (True, False)
notes	Optional	Any notes that adds relevant information to the consignment
num_pieces	Optional	Number of pieces of Consignment. Also accepted as an Integer
origin_details*		
name*	Mandatory	Name of consignor (in case of origin) or Consignee (in case of destination)
phone*	Mandatory	Phone number of Consignor (in case of origin) or Consignee (in case of destination)
alternate_phone	Optional	Alternate Phone number of Consignor (in case of origin) or Consignee (in case of destination).
address_line_1*	Mandatory	Address details of the Consignor (in case of origin) or Consignee (in case of destination)
address_line_2	Optional	Address details of the Consignor (in case of origin) or Consignee (in case of destination)
pincode*	Optional	Pincode details of the Consignor (in case of origin) or Consignee (in case of destination)
city	Mandatory	City of the Consignor (in case of origin) or Consignee (in case of destination)
state	Mandatory	State of the Consignor (in case of origin) or Consignee (in case of destination)
country	Mandatory	Country of the Consignor (in case of origin) or Consignee (in case of destination)
destination_details*		
name*	Mandatory	Name of consignor (in case of origin) or Consignee (in case of destination)
phone*	Mandatory	Phone number of Consignor (in case of origin) or Consignee (in case of destination)
alternate_phone	Optional	Alternate Phone number of Consignor (in case of origin) or Consignee (in case of destination). Optional
address_line_1*	Mandatory	Address details of the Consignor (in case of origin) or Consignee (in case of destination). Optional
address_line_2	Optional	Address details of the Consignor (in case of origin) or Consignee (in case of destination). Optional
pincode*	Optional	Pincode details of the Consignor (in case of origin) or Consignee (in case of destination). Optional
city	Mandatory	City of the Consignor (in case of origin) or Consignee (in case of destination). Optional
state	Mandatory	State of the Consignor (in case of origin) or Consignee (in case of destination). Optional
country	Mandatory	Country of the Consignor (in case of origin) or Consignee (in case of destination). Optional
Consignment Piece Details		
description	Optional	Piece Description of Consignment Piece. Optional

declared_value	Mandatory	Declared value of Consignment Piece. Required in pieces_details for NON-DOCUMENT
weight	Mandatory	Weight of consignment piece (kg). Required in pieces_details for NON-DOCUMENT
height	Mandatory	Height of consignment piece (cm). Required in pieces_details for NON-DOCUMENT
length	Mandatory	Length of consignment piece (cm). Required in pieces_details for NON-DOCUMENT
width	Mandatory	Width of consignment piece (cm). Required in pieces_details for NON-DOCUMENT
quantity	Optional	Quantity of consignment piece
weight_unit	Mandatory	Unit of Weight. Optional Allowed: 'gm', 'kg', 'kt', 'lb', 'mg', 'oz', 'to', 'ton'. Default is 'kg'.

API #2: Shipping Label

API URL:

<https://dev-b2b.iwexpress.com:5001/iwexpress/iwe-integration-service/{referenceNumber}/shippingLabel>

Sample Request:

<https://dev-b2b.iwexpress.com:5001/iwexpress/iwe-integration-service/IW00001/shippingLabel>

Request Type: GET

Input Authorization as below.

Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVb09Yq4QBUwGSvNM0bGpYUVC3iY8jXsJwO

Response: <pdf file>

Integration Service Integration Controller



GET

/iwe-integration-service/{referenceNumber}/shippingLabel Get a Shipping Label

Parameters

Cancel

Name

Description

Authorization * required

 string
(header)

Authorization

Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVbC

referenceNumber * required

 string
(path)

referenceNumber

IW00001

Execute



Clear

Responses

Response content type

/

Curl

 SIMPLE EFFICIENT SOLUTIONS		Dest HUB	
		Dest State	KSA
Origin HUB	ALRAI	Dest City	RIYADH
Date 09-November-2023 13:17:32		Type DOCUMENT	
Acc# IW TEST CUSTOMER		Cust Ref# 8234995	
From: The Hut Group LF Logistics/Mohebi Logistics, Plot Mohebi Logistics; Plot WT01 & Kuwait, KUWAIT, 8005 9710160		To: Mohammad Alsmaim house 61 Block 5, street 517 LF Logistics/Mohebi Logistics, Plot RIYADH KSA, 91710 string	
			
forward		IW00001	PREMIUM
Goods Value 100	WT 1.2 Kg	Ins N	
Descr Gift articles			
Pcs / 10	COD: 0		

API #3: Consignment Creation with Shipping Label generation

API URL: <https://dev-b2b.iwexpress.com:5001/iwexpress/iwe-integration-service/softdata/upload/v2>

Request Type: POST

Input Authorization: Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVbO9Yq4QBUwGSvNM0bGpYUVc3iY8jXsJw0

Parameters	
Name	Description
Authorization * required string (header)	Authorization <input type="text" value="Authorization - Authorization"/>

Order Details as like below structure (JSON Provided)

POST /iwe-integration-service/softdata/upload/v2 SoftData Upload with PDF Response

Parameters	
Name	Description
Authorization * required string (header)	Authorization <input type="text" value="Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVbC"/>
newConsignment * required (body)	newConsignment <div> Example Value Model <pre> { "country": "Kuwait", "name": "The Hut Group", "phone": "9710160", "pincode": "8005", "state": "KUWAIT" }, { "pieces_detail": [{ "declared_value": 100, "description": "gift articles", "height": 100, "length": 500, "weight": 1.2, "width": 200 }], "service_type_id": "PREMIUM", "weight": 1.2, "weight_unit": "KG" } </pre> </div>

Request JSON

```

{
  "cod_amount": "string",
  "currency": "string",
  "cod_collection_mode": "string",
  "cod_favor_of": "string",
  "consignment_type": "string",
  "customer_code": "GNM",
  "customer_reference_number": "string",
  "customer_civil_id": "string",
  "receiver_civil_id": "string",
  "declared_value": 0,
  "description": "string",
  "destination_details": {
    "address_line_1": "string",
    "address_line_2": "string",
    "alternate_phone": "string",
    "city": "string",
    "country": "string",

```



```
"name": "string",
"phone": "string",
"pincode": "string",
"state": "string"
},
"dimension_unit": "string",
"height": "string",
"is_risk_surcharge_applicable": true,
"length": "string",
"load_type": "string",
"notes": "string",
"num_pieces": 0,
"origin_details": {
  "address_line_1": "string",
  "address_line_2": "string",
  "alternate_phone": "string",
  "city": "string",
  "country": "string",
  "name": "string",
  "phone": "string",
  "pincode": "string",
  "state": "string"
},
"pieces_detail": [
  {
    "declared_value": 0,
    "description": "string",
    "height": 0,
    "length": 0,
    "weight": 0,
    "width": 0,
    "quantity": "string"
  }
],
"service_type_id": "string",
"weight": 0,
"weight_unit": "string",
"width": "string"
}
```

SAMPLE REQUEST



```
{
  "cod_amount": "100",
  "currency": "SAR",
  "cod_collection_mode": "cash",
  "cod_favor_of": "test",
  "consignment_type": "FORWARD",
  "customer_code": "GNM",
  "customer_reference_number": "296163865",
  "customer_civil_id": "23333333",
  "receiver_civil_id": "466655557",
  "declared_value": 100,
  "description": "Gift",
  "destination_details": {
    "address_line_1": "house 61 Block 5, street 517",
    "address_line_2": "LF Logistics/Mohebi Logistics, Plot",
    "alternate_phone": "string",
    "city": "Kuwait",
    "country": "Kuwait",
    "name": "محمد الصميم",
    "phone": "string",
    "pincode": "91710",
    "state": "string"
  },
  "dimension_unit": "CM",
  "height": "5",
  "is_risk_surcharge_applicable": true,
```

```

"length": "10",
"load_type": "DOCUMENT",
"notes": "test",
"num_pieces": 10,
"origin_details": {
  "address_line_1": "LF Logistics/Mohebi Logistics, Plot",
  "address_line_2": "Mohebi Logistics; Plot WT01 & WT04",
  "alternate_phone": "",
  "city": "Dubai",
  "country": "UAE",
  "name": "مجموعة الكوخ",
  "phone": "97101606811863",
  "pincode": "8005",
  "state": "DUBAI"
},
"pieces_detail": [
  {
    "declared_value": 100,
    "description": "Gift",
    "height": 100,
    "length": 500,
    "weight": 1.2,
    "width": 200,
    "quantity": "1"
  }
],
"service_type_id": "PREMIUM",
"weight": 1.2,
"weight_unit": "KG",
"width": "200"
}

```

Response JSON: [PDF Stream response]

 SIMPLE EFFICIENT SOLUTIONS		Dest HUB	
		Dest State	KSA
Origin HUB	ALRAI	Dest City	RIYADH
Date 09-November-2023 13:17:32		Type DOCUMENT	
Acc# IW TEST CUSTOMER		Cust Ref# 8234995	
From: The Hut Group LF Logistics/Mohebi Logistics, Plot Mohebi Logistics; Plot WT01 & Kuwait, KUWAIT, 8005 9710160		To: Mohammad Alsmaim house 61 Block 5, street 517 LF Logistics/Mohebi Logistics, Plot RIYADH- KSA, 91710 string	
			
forward		IW00001	PREMIUM
Goods Value 100		WT 1.2 Kg	Ins N
Descr Gift articles			
Pcs / 10	COD: 0		

API #4: Consignment Tracking

API URL:

<https://dev-b2b.iwexpress.com:5001/iwexpress/iwe-integration-service/tracking/{referenceNumber}/shipment>

referenceNumber: [consignment reference number]

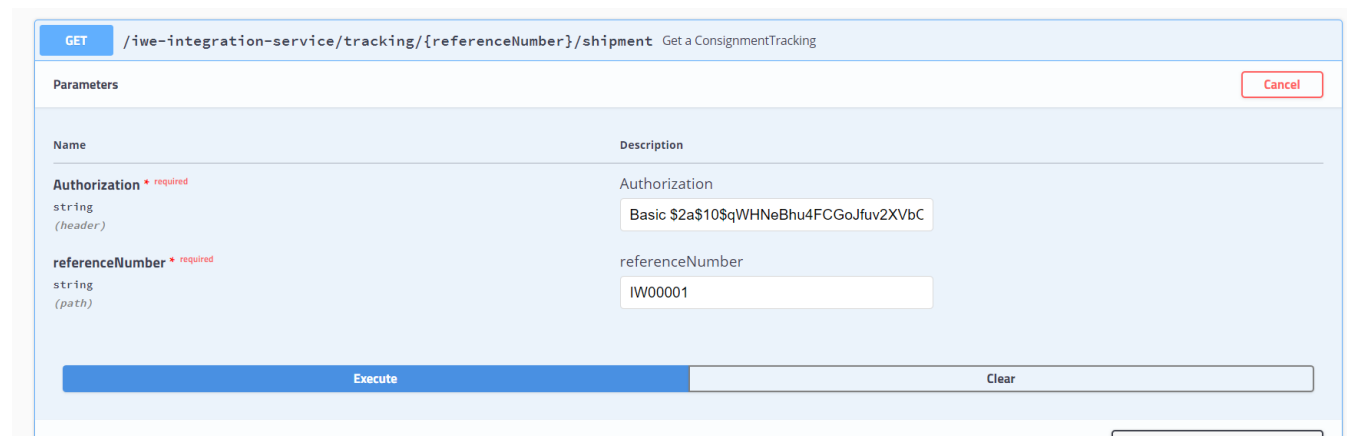
Request Type: GET

Authorization: Basic \$2a\$10\$qWHNeBhu4FCGoJfuv2XVbO9Yq4QBUwGSvNM0bGpYUVc3iY8jXsJwO

Sample Request:

<https://dev-b2b.iwexpress.com:5001/iwexpress/iwe-integration-service/tracking/IW00001/shipment>

Response JSON: [Consignment Tracking details]



The screenshot shows an API client interface with a GET request configured. The URL is `/iwe-integration-service/tracking/{referenceNumber}/shipment`. The parameters section shows two required fields: `Authorization` (string, header) with the value `Basic $2a$10$qWHNeBhu4FCGoJfuv2XVbO9Yq4QBUwGSvNM0bGpYUVc3iY8jXsJwO`, and `referenceNumber` (string, path) with the value `IW00001`. There are buttons for 'Execute' and 'Clear'.

Code	Details
200	<p>Response body</p> <pre>{ "event_description": "delivered", "hub_name": "ALRAI", "hub_code": "ALRAI", "customer_update": "Delivered", "notes": null, "poc_image": "", "failure_reason": null, "signature_image": null, "pop_image": null, "worker_name": null, "worker_code": null, "employee_code": "1008", "employee_name": "KARAM", "latitude": null, "longitude": null, "execution_status": null, "status_external": "delivered", "carrier_location_code": null }, { "type": "outscan_at_hub", "event_time": "2023-11-09T09:40:21.233+00:00", "event_description": "outscan_at_hub", "hub_name": "ALRAI", "hub_code": "ALRAI", "customer_update": "outscan_at_hub", "notes": null, }</pre> <p>Download</p>

Client Status Update Webhook

Domestic Shipments

Following are the list of events (with description) supported which is provided in the key type as seen in the payload. Supported Events

1. **accept** - When the consignment is out for delivery
2. **added_to_bag** - When the consignment is added to a bag in a trip
3. **assigned_for_delivery** - When a consignment is assigned to any rider for delivery
4. **assigned_to_hub** - When task is assigned to rider for delivery
5. **attempted** - When a consignment is undelivered
6. **bag_received** - When bag is unloaded from the trip
7. **cancelled** - When a consignment is cancelled
8. **consignment_verification** - When consignment Verification is done
9. **customs_clearance_completed** - When the consignment is cleared from customs
10. **delay_at_airport** - When the consignment is at airport and not processed due to some reasons
11. **delivered** - When a consignment is delivered
12. **delivery_pod** - When the 3PL send s POD separately post the delivered event (Select this event is you are using delivered event)
13. **deps_exception** - When the consignment is received as Damaged, Excess, Shortage or Pilferage
14. **exception** - When an event is received that does not belong to other events in the list
15. **handed_in_customs_clearance** - When the consignment is handed to the customs at airport
16. **handover_courier_partner** - When the consignment is handed over to the 3PL
17. **inscan_at_hub** - When a consignment is in scanned at any hub
18. **intransittohub** - When a consignment is part of any mid mile hub and the mid mile trip is ongoing
19. **lost** - When a consignment is lost
20. **not_picked_up** - When the consignment is not picked up
21. **on_hold** - When consignment is put on hold for some reasons
22. **out_for_pickup** - When the delivery executive is out for pickup
23. **out_for_store_pickup** - When the delivery executive is out for pickup (PUDO Flow only)
24. **outscan_at_hub** - When a consignment is marked as outscan from a hub
25. **pickup_awaited** - When the delivery executive is yet to be assigned for pickup
26. **pickup_completed** - When the pickup is completed by the delivery executive
27. **pickup_scheduled** - When the pickup has been scheduled for a consignment
28. **reachedathub** - When the consignment reached the destination hub (generally the last mile hub)
29. **release_on_hold** - When a consignment is released from hold
30. **reschedule** - When the consignment pickup or delivery is rescheduled
31. **returned_at_hub** - When the consignment is received at hub post a delivery attempt
32. **revert_from_delivered** - When a consignment is revoked from delivery for exceptional reasons (Applicable from CRM)
33. **revoke_rto** - When RTO is revoked for exceptional reasons (Applicable from CRM)
34. **rto** - When the consignment is marked as RTO
35. **rto_attempted** - When the consignment is undelivered in a RTO journey
36. **rto_delivered** - When the consignment is delivered in a RTO journey
37. **rto_in_transit** - When the consignment is in transit in a RTO journey
38. **rto_initiated** - When the consignment is marked as RTO (this is a preferred over the event rto)
39. **rto_inscan_at_hub** - When the consignment is inscanned at hub in a RTO journey
40. **rto_outfordelivery** - When the consignment is out for delivery in a RTO Journey
41. **seized** - When the consignment is seized by an external party before being delivered

- 42. **shelved** - When the consignment is shelved for some reasons
- 43. **softdata_upload** - When consignment is created in Shipy system
- 44. **vehicle_arrived** - When the vehicle has arrived to a different hub in a middle mile trip

Cross Border Shipments

Following are the list of events (with description) supported which is provided in the key type as seen in the payload.

Supported Events

- 1. on_hold
- 2. release_on_hold
- 3. pickup_completed
- 4. delivered
- 5. attempted
- 6. rto
- 7. cancel
- 8. shipment_clear_successfully
- 9. intransit_to_hub
- 10. reached_at_hub
- 11. inscan_at_hub
- 12. accept