Partner Integration Onboarding Documentation

Dec 2023

V1.1
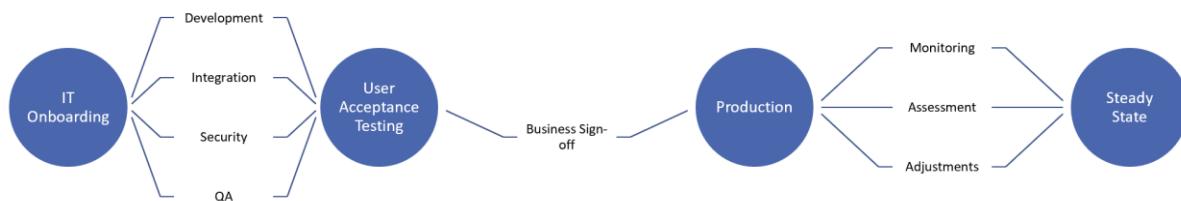
Contents

Introduction

Welcome to Partner Integration with DeliverDirect *Powered By SmartKargo!* This document provides information about SmartKargo's collaborative e-commerce platform. The platform provides an end-to-end and door-to-door solution which allows SmartKargo partners to address all their shipping needs. Given its flexibility, the SmartKargo platform allows DeliverDirect to integrate digitally with its partners and any interested third-party systems. The integration is intended to support both SmartKargo and its partners in achieving efficiencies through automation and in managing many aspects of their supply chain. To achieve the above, timely, accurate, and consistent exchange of information is essential. This document also lays out options to securely exchange information between the SmartKargo platform and its partners' systems. It provides the details on how to exchange information on key process points from booking to delivery.

Onboarding

Process

1. IT Kick-off Meeting (Week 1):
   - Formal introduction meeting between the SmartKargo IT team and the new partner's IT team to go over high-level plans and timelines. Processes and plans are started to be agreed upon and the direction the integration of the two systems will be decided.

2. IT On-boarding / Integration (Week 1 – Week 4)
   - The work of integrating the two system begins. Architecture, networking, and development teams are engaged to ensure the smooth integration.
   - Working in an agile methodology, API's are developed and tested against each other, networking is set up to ensure secure communications, security provides an assessment on the work being done, and QA provides testing against everything being developed to ensure no errors occur.
   - Priority is to bookings to ensure proper data is ingested into the SmartKargo system and orders can be properly entered, accounted for, and sorted accordingly.
   - Tracking will be dealt with as per the partners' requirements, DeliverDirect tracking website, partner tracking, or use of 3rd party tracking.

3. User Acceptance Testing (Week 5)
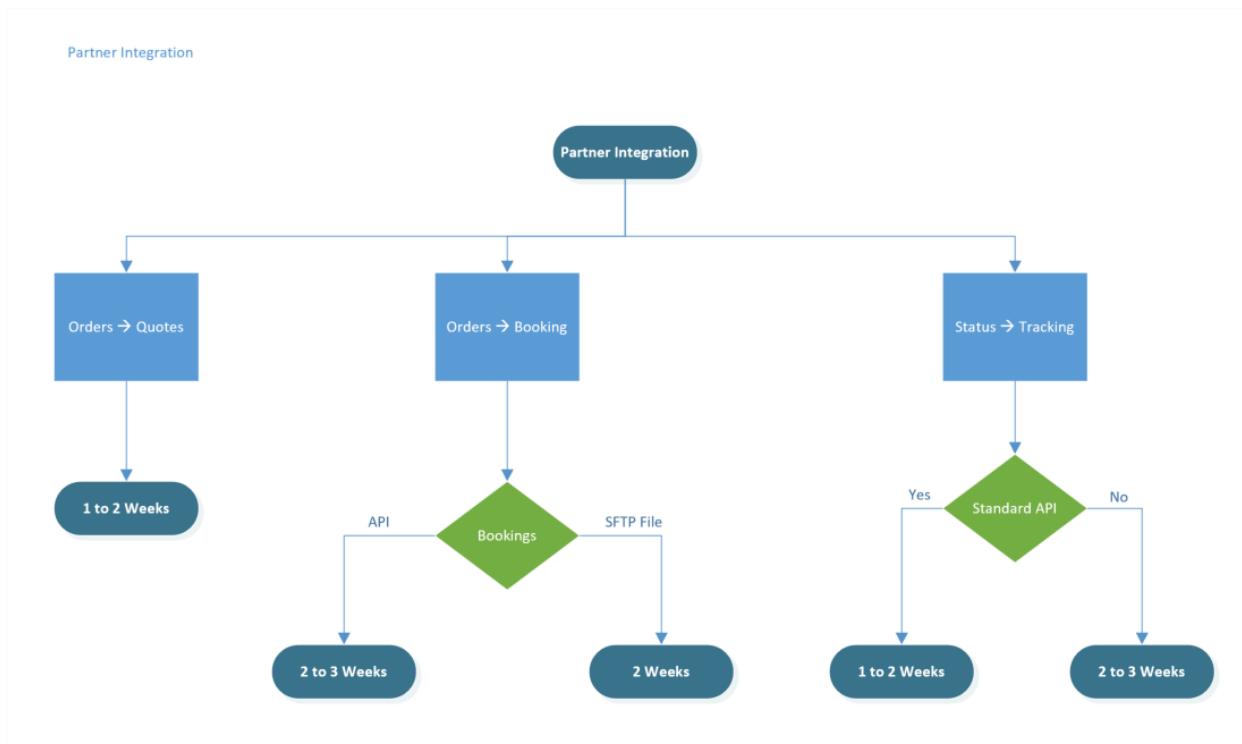
- Business will perform tests to ensure correct data flowing between the two systems are correct, displaying properly and can be tracked.
- Simulations of day-to-day events are carried out.
- Any issues are raised and corrected by the appropriate teams.

4. Production (Week 6)
   - After working together to get the integration complete, the push to production will occur after business approval.
   - This does not signify the end to onboarding, monitoring to ensure correct flow of information and processes (technical and non) are working and accounted for happen during this time.
   - When both sides are confident in the process, onboarding and integration teams will hand over processes to steady state operations for continued monitoring.

Integration Timelines

A full integration can take anywhere between 3-6 weeks, depending on integration methodology selected.

Integration Options

Quotes

Through the RESTful API's, partners can submit request for quotes for single shipments. Payloads are well-defined and responses display the many options available through the SmartKargo platform.

Booking

API
Through the secure RESTful API's, partners can submit direct single booking payloads. Payloads are simple, well defined and the preferred method of creating bookings. If the partner goes the API route, the work will depend on the partner system, processes, networking in place, security and customization needed to integrate with the SmartKargo platform.

SFTP
Depending on the needs of the partner, bulk booking uploads might be the preferred method and the system supports that option. Connecting through a secure FTP (SFTP) server, we can ingest preformatted files in bulk, at a schedule that is agreed upon. If the SFTP booking process is used, the files need to comply with the format provided, networking / access to SFTP folders need to be granted.

Tracking

Direct API
If the customer can call the SmartKargo API, the tracking integration is clear and defined.

Third Party Integration
If the customer uses a third party for tracking shipments, SmartKargo would work with the third party to define the requirements for the integration.

DeliverDirect Tracking
To complement the other options, DeliverDirect Powered by SmartKargo also has its own tracking solution on its website that allows both shippers and consignees to track their shipments.

API's

Authentication

The API's are secured using authentication tokens.
While submitting any API requests, subscription token needs to be included in header of the request as **code = <subscription token>**

Quotes

The quote API provides the opportunity to check price and SLA before sending your shipment.

<u>Please note</u>: *If request parameters exceed the length mentioned in data type column, API will either truncate the value or return a validation error about exceeding length.*

URL Endpoint: `/quotation`
POST Request Parameters:
Request Fields:

Sr #	Field	Sub-field	Data Type	Req	Description/ Sample
1.1	reference		String(35)	Y	This is a reference for all the package references in this batch request. Typically be Sales order number.
1.2	issueDate		DateTime 2021-06-01 20:00	N	This is the issue/transportation date for the request. This date/time is used to define approximate pickup date/ time for the shipment. Dates from the past will be set to current date.
2	packages	This is a collection which can contain information of single packages. Fields of the packages collection are listed below.			
2.1		reference	String(35)	Y	This is the individual package reference (Needs to be unique)
2.2		commodityType	String(60)	Y	Commodity type for this package - based on harmonized commodity codes from the service. If this value is not passed during booking request then it is defaulted to '9999' [General Shipment].
2.3		serviceType	String(60)	N	Service/ Product Type to be used for quote. **If this value is not specified**, API response will return all available service types with relevant charges for given quote request. Below are possible values if service type is included in the request: **<EXP>** – eCommerce Express **<EPR>** – eCommerce Priority
2.4		paymentMode	String(2)	Y	Payment mode. Allowed values: **PX** – Billed [Typically used] **PP** – Prepaid at the time of tender **CC** – Collected from Consignee at the time of delivery
2.7		packageDescription	String(100)	Y	Content description code indicating nature of goods
2.8		totalPackages	Integer	Y	Total packages of shipment. This should be always set to 1.

2.9		totalPieces	Integer	Y	Total number pieces for this shipment. This should be always set to 1.
2.10		grossVolumeUnitMeasure	String(3)	Y	Volume Unit **CMQ** – When dimensions are in centimeters. **CFT –** When dimensions are in inches.
2.11		totalGrossWeight	Decimal(10,4)	Y	Gross weight for this shipment
2.12		grossWeightUnitMeasure	String(3)	Y	Unit of measure **KG** – When weight is specified in kilograms. **LBR** – When weight is specified in pounds.
2.14		insuranceRequired	Boolean	N	If customers agreed insurance with DELIVERDIRECT is to be used. If **true** then the accrued charges for this shipment will include insurance charges. If **false** then insurance will not be applicable.
2.15		declaredValue	Decimal(13,2)	Y	Value of goods to be insured. Value should be greater than 0 when insuranceRequired is set to true.
2.16		specialHandlingType	String(60)	N	Any special handling code related to shipment. For specific shipment handling requirements, appropriate code may be used which need to be reviewed and finalized during interface discussion with DELIVERDIRECT team.
2.20		additionalInfo01	String(50)	N	Additional information (if any) related to shipment can be provided.
2.21		additionalInfo02	String(50)	N	Additional information (if any) related to shipment can be provided.
2.22		additionalInfo03	String(50)	N	Additional information (if any) related to shipment can be provided.
2.23		additionalInfo04	String(50)	N	Additional information (if any) related to shipment can be provided.
2.24		deliveryType	String(12)	N	Delivery type to be used for. Default will be DoorToDoor
2.25		channel	String(15)	N	Channel of the order - Direct, Indirect, Marketplace name.
2.26		labelRef2	String(20)	N	Reference that is printed on label
2.24	dimensions	Collection of dimension details of the shipment. This is Mandatory.			
2.24.1		pieces	Integer	Y	Number of pieces for which dimensions are provided. This should be set as 1.
2.24.2		height	Decimal(5,2)	Y	Height of the piece(s) in unit of measure specified in **2.10**
2.24.3		width	Decimal(5,2)	Y	Width of the piece(s) in unit of measure specified in **2.10**
2.24.4		length	Decimal(5,2)	Y	Length of the piece(s) in unit of measure specified in **2.10**
2.24.5		grossWeight	Decimal(10,4)	Y	Weight of the piece(s) in unit of measure specified in **2.12**
3	participants	Collection of participant information related to shipment. Participants are Shipper and Consignee. **Information of Shipper and Consignee participants is Mandatory**			
Shipper [Mandatory]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are "**Shipper**" – Shipping party
3.1.2		primaryId	String(36)	Y	It is the primary identification. **Required when type is Shipper.** Provide the shipper account.
3.1.3		additionalId	String(36)	N	It is the participant additional identification
3.1.4		account	String(120)	Y	It is the participant account number provided by DeliverDirect. **It is required when Type is Shipper**
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. State is derived automatically from the zip code

3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	For US, 2 char State e.g. MA, NY
3.1.11		countryId	String(2)	Y	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant.
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.
Consignee [Mandatory]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are **Consignee**" - Recipient party
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. Format (A1B 2C3 or A1B2C3)
3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	For US, 2 char State e.g. MA, NY
3.1.11		countryId	String(2)	Y	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant. **Mandatory for Consignee if email notifications are to be sent.**
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.
Notifier [Optional]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are **Notifier**" - Recipient party
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. Format (A1B 2C3 or A1B2C3)
3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	2 char for US e.g. MA, CA etc.
3.1.11		countryId	String(2)	N	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant.
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers

3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.
Return To Shipper [Optional]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are **ReturnCompany**" - Recipient party
3.1.2		primaryId	String(36)	Y	It is the primary identification. **Not required when Type is InsuranceProvider or Consignee or Notifier**
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. Format (A1B 2C3 or A1B2C3)
3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	2 char for US e.g. MA, CA etc.
3.1.11		countryId	String(2)	Y	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant.
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.

JSON:

```json
{
 "reference": "30068480254",
 "issueDate": "2021-06-05 20:00",
 "packages": [
  {
   "reference": "36780746",
   "commodityType": "6501",
   "serviceType": "",
   "paymentMode": "PX",
   "packageDescription": "MEDICINES, PHARMACEUTICALS",
   "totalPackages": 1.0,
   "totalPieces": 1.0,
   "grossVolumeUnitMeasure": "CFT",
   "totalGrossWeight": 1.0,
   "grossWeightUnitMeasure": "LBR",
   "insuranceRequired": true,
   "declaredValue": 130.0,
   "specialHandlingType": null,
   "dimensions": [
    {
     "pieces": 1.0,
     "height": 12.0,
     "width": 10.0,
     "length": 43.0,
     "grossWeight": 1.0
    }
   ],
   "participants": [
    {
     "type": "Shipper",
     "primaryId": "TEST",
     "additionalId": "",
     "account": "TEST",
     "name": "Tester Tester Jr.",
     "postCode": "02142",
     "street": "1 Broadway",
     "city": "Boston",
     "state": "MA",
     "countryId": "US",
     "phoneNumber": "19999999999",
     "email": "test@test.com"
    },
    {
     "type": "Consignee",
     "name": "Tester Tester",
     "postCode": "10002",
     "street": "124 Main Street",
     "street2": "Unit 4",
     "city": "Los AngelesI",
     "state": "CA",
     "countryId": "US",
     "phoneNumber": "8888347867",
     "email": "test2@test.com"
    }
   ]
  }
 ]
}
```

Response:
Response will be in JSON format
Details will either be a single array with selected "serviceType", or multiple "serviceType" if no service type is set in the request.

HTTP Code **200**: Success [When request parsing is successful]
HTTP Code **401**: Unauthorized [When request does not contain valid subscription token]

200 OK

Request serviceType = "EXP"

```json
{
    "headerReference": "30068480254",
    "packageReference": "36780746",
    "status": "Quoted",
    "details": [
        {
            "slaInDays": 3,
            "deliveryDateBasedOnShipment": "2021-06-07T21:00:00+00:00",
            "serviceType": "EXP",
            "total": 9.19,
            "totalTax": 1.19
        }
    ],
    "validations": null
}
```

Request serviceType = ""

```json
{
    "headerReference": "30068480254",
    "packageReference": "36780746",
    "status": "Quoted",
    "details": [
        {
            "slaInDays": 3,
            "deliveryDateBasedOnShipment": "2021-06-07T21:00:00+00:00",
            "serviceType": "EXP",
            "total": 12.00,
            "totalTax": 1.15
        },
        {
            "slaInDays": 5,
            "deliveryDateBasedOnShipment": "2021-06-09T21:00:00+00:00",
            "serviceType": "EPR",
            "total": 10.00,
            "totalTax": 1.19
        },
        {
            "slaInDays": 6,
            "deliveryDateBasedOnShipment": "2021-06-10T21:00:00+00:00",
            "serviceType": "EST",
            "total": 8.00,
            "totalTax": 1.15
        }
    ],
    "validations": null
}
```

Failed Quote examples

Request Processing Failure

```json
{
    "headerReference": null,
    "packageReference": null,
    "status": "Error",
    "details": null,
    "validations": [
        {
            "message": "Participants must contains at least 1 Shipper"
        }
    ]
}
```

Invalid Dimension Error:

```json
{
    "headerReference": null,
    "packageReference": null,
    "status": "Error",
    "details": null,
    "validations": [
        {
            "message": "Invalid shipment dimensions. The maximum allowed dimensions are: Longest side: 79.00, Medium side: 70.00, Shortest side: 64.00"
        }
    ]
```

```
}
```

Origin or destination postal codes not served

```
{
    "headerReference": null,
    "packageReference": null,
    "status": "Error",
    "details": null,
    "validations": [
        {
            "message": "001 destination/origin zipcodes are not served"
        }
    ]
}
```

Example Service Type Options:

- EPR – eCommerce Priority
- EXP – eCommerce Express
- EPS – eCommerce Postal
- EST – eCommerce Standard

Response Fields

Sr #	Field	Sub-field	Data Type	Description/ Sample
1.1	headerReference		String(35)	This is header reference that was provided in the quote request.
1.2	packageReference		String(35)	Reference number provided for package in the quote request
1.3	status		String(36)	Indicates status of quote processing. **Quoted** means quote was processed successfully. **Error** means error occurred during quote. Details of error can be found in **validations** collection explained below.
1.4	details		Collection of quote details for each applicable service type.	
1.4.1		slaInDays	String(36)	This indicates SLA defined in the contract for this booking.
1.4.2		deliveryDateBasedOnShipment	DateTime 2021-05-09T17:00:25.52-03:00	This indicates when shipment is due for delivery (in local time of destination) as per SLA defined in the contract.
1.4.4		serviceType	String(60)	This indicates service type for which respective quote is applicable.
1.4.5		total	Decimal(13,2)	This indicates total charges that will be applicable for the shipment assuming there is no change in the shipment characteristics when it is actually tendered. Does not include Tax.
1.4.6		totalTax	Decimal(13,2)	This indicates total taxes that will be applicable for the shipment assuming there is no change in the shipment characteristics when it is actually tendered.
1.5	validations		Collection containing error information, rejection reasons when quote request fails. If quote request is processed successfully, this collection is returned as Blank.	
1.5.1		message	String(120)	Error/ validation message explaining reason of failure.

Booking

The exchange API provides for submitting booking request for single shipments.
Booking response, in case of success, gives the label URL.
Version 2.0 of the Booking API that also returns the rates so Quotation need not be called.

URL /exchange/single   version 2 called as /exchange/single?version=2.0

POST Request Parameters:
Request Fields:

Sr #	Field	Sub-field	Data Type	Req	Description/ Sample
1.1	reference		String(35)	Y	This is a reference for all the package references in this batch request. Typically be Sales order number.
1.2	issueDate		DateTime 2021-06-01 20:00	N	This is the issue/transportation date for the request. This date/time is used to define approximate pickup date/ time for the shipment. Dates from the past will be set to current date.
2	packages	This is a collection which can contain information of single packages. Fields of the packages collection are listed below.			
2.1		reference	String(35)	Y	This is the individual package reference (Needs to be unique)
2.2		commodityType	String(60)	Y	Commodity type for this package - based on harmonized commodity codes from the service. If this value is not passed during booking request then it is defaulted to '9999' [General Shipment].
2.3		serviceType	String(60)	N	Service/ Product Type to be used for quote. **If this value is not specified**, API response will return all available service types with relevant charges for given quote request. Below are possible values if service type is included in the request: **<EXP>** – eCommerce Express **<EPR>** – eCommerce Priority
2.4		paymentMode	String(2)	Y	Payment mode. Allowed values: **PX** – Billed [Typically used] **PP** – Prepaid at the time of tender **CC** – Collected from Consignee at the time of delivery
2.7		packageDescription	String(100)	Y	Content description code indicating nature of goods
2.8		totalPackages	Integer	Y	Total packages of shipment. This should be always set to 1.
2.9		totalPieces	Integer	Y	Total number pieces for this shipment. This should be always set to 1.
2.10		grossVolumeUnitMeasure	String(3)	Y	Volume Unit **CMQ** – When dimensions are in centimeters. **CFT** – When dimensions are in inches.
2.11		totalGrossWeight	Decimal(10,4)	Y	Gross weight for this shipment
2.12		grossWeightUnitMeasure	String(3)	Y	Unit of measure **KG** – When weight is specified in kilograms. **LBR** – When weight is specified in pounds.
2.14		insuranceRequired	Boolean	N	If customers agreed insurance with DELIVERDIRECT is to be used. If **true** then the accrued charges for this shipment will include insurance charges. If **false** then insurance will not be applicable.
2.15		declaredValue	Decimal(13,2)	Y	Value of goods to be insured.

					Value should be greater than 0 when insuranceRequired is set to true.
2.16		specialHandlingType	String(60)	N	Any special handling code related to shipment. For specific shipment handling requirements, appropriate code may be used which need to be reviewed and finalized during interface discussion with DELIVERDIRECT team.
2.20		additionalInfo01	String(50)	N	Additional information (if any) related to shipment can be provided.
2.21		additionalInfo02	String(50)	N	Additional information (if any) related to shipment can be provided.
2.22		additionalInfo03	String(50)	N	Additional information (if any) related to shipment can be provided.
2.23		additionalInfo04	String(50)	N	Additional information (if any) related to shipment can be provided.
2.24		deliveryType	String(12)	N	Delivery type to be used for. Default will be DoorToDoor
2.25		channel	String(15)	N	Channel of the order - Direct, Indirect, Marketplace name.
2.26		labelRef2	String(20)	N	Reference that is printed on label
2.24	dimensions	Collection of dimension details of the shipment. This is Mandatory.			
2.24.1		pieces	Integer	Y	Number of pieces for which dimensions are provided. This should be set as 1.
2.24.2		height	Decimal(5,2)	Y	Height of the piece(s) in unit of measure specified in **2.10**
2.24.3		width	Decimal(5,2)	Y	Width of the piece(s) in unit of measure specified in **2.10**
2.24.4		length	Decimal(5,2)	Y	Length of the piece(s) in unit of measure specified in **2.10**
2.24.5		grossWeight	Decimal(10,4)	Y	Weight of the piece(s) in unit of measure specified in **2.12**
3	participants	Collection of participant information related to shipment. Participants are Shipper and Consignee. **Information of Shipper and Consignee participants is Mandatory**			
Shipper [Mandatory]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are "**Shipper**" – Shipping party
3.1.2		primaryId	String(36)	Y	It is the primary identification. **Required when type is Shipper.** Provide the shipper account.
3.1.3		additionalId	String(36)	N	It is the participant additional identification
3.1.4		account	String(120)	Y	It is the participant account number provided by DeliverDirect. **It is required when Type is Shipper**
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. State is derived automatically from the zip code
3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	2 char for US e.g. MA, CA etc.
3.1.11		countryId	String(2)	Y	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant.
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI

3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.
Consignee [Mandatory]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are **Consignee**" - Recipient party
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. Format (A1B 2C3 or A1B2C3)
3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	2 char for US e.g. MA, CA etc.
3.1.11		countryId	String(2)	Y	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant. **Mandatory for Consignee if email notifications are to be sent.**
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.
Notifier [Optional]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are **Notifier**" - Recipient party
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. Format (A1B 2C3 or A1B2C3)
3.1.7		street	String(100)	Y	Street address of participant.
3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	2 char for US e.g. MA, CA etc.
3.1.11		countryId	String(2)	N	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant.
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.
Return To Shipper [Optional]					
3.1.1		type	String(20)	Y	Type of participants. Allowed values are **ReturnCompany**" - Recipient party
3.1.2		primaryId	String(36)	Y	It is the primary identification. **Not required when Type is InsuranceProvider or Consignee or Notifier**
3.1.5		name	String(120)	Y	Name of the participant
3.1.6		postCode	String(15)	Y	Postal/ zip code of the participant. Format (A1B 2C3 or A1B2C3)
3.1.7		street	String(100)	Y	Street address of participant.

3.1.8		street2	String(100)	N	Street address line 2 of the participant.
3.1.9		city	String(60)	Y	City of the participant
3.1.10		state	String(60)	N	2 char for US e.g. MA, CA etc.
3.1.11		countryId	String(2)	Y	2 char IATA Country code of participant e.g. CA, US, MX, etc.
3.1.12		phoneNumber	String(16)	N	Phone number of the participant
3.1.13		email	String(50)	N	Email address of participant.
3.1.14		taxIdentificationNumbers	Array	N	Array containing tax identification for CUIT and DNI numbers
3.1.14.1		type	String(4)	N	Type of the tax identification. Can be CUIT and/or DNI
3.1.14.2		value	String(11)	N	Value of the tax identification. When CUIT, maximum length is 11. When DNI, maximum length is 9.

JSON:

```
{
 "reference": "ReferencesToBeSet",
 "issueDate": "2021-06-29 20:00",
 "packages": [
  {
   "reference": "2021-06-03-1",
   "commodityType": "6501",
   "serviceType": "EST",
   "paymentMode": "PX",
   "packageDescription": "Test Products",
   "totalPackages": 1.0,
   "totalPieces": 1.0,
   "grossVolumeUnitMeasure": "CFT",
   "totalGrossWeight": 10.0,
   "grossWeightUnitMeasure": "LBR",
   "insuranceRequired": true,
   "declaredValue": 150.0,
   "specialHandlingType": null,
   "dimensions": [
    {
     "pieces": 1,
     "height": 20.0,
     "width": 20.0,
     "length": 20.0,
     "grossWeight": 10.0
    }
   ],
   "participants": [
    {
     "type": "Shipper",
     "primaryId": "PRIMARYID",
     "additionalId": "",
     "account": "ACCOUNT",
     "name": "TESTER TEST",
     "postCode": "02142",
     "street": "1 Broadway ",
     "city": "Boston",
     "state": "MA",
     "countryId": "US",
     "phoneNumber": "19999999999",
     "email": "test@test.com"
    },
    {
     "type": "Consignee",
     "name": "Tester Tester",
     "postCode": "98148",
     "street": "124 Main St",
     "street2": "Unit 4",
     "city": "Los Angelesl",
     "state": "CA",
     "countryId": "US",
     "phoneNumber": "8888347867",
     "email": "test2@test.com"
    }
   ]
  }
 }
```

```
  ]
}
```

Response:
Once booking request is submitted, API returns response in JSON format that can be consumed by calling application and depending on success/ failure appropriate next actions can be triggered.

Booking response can be one of the following:
1. Booking was successful: In this case, response returns AWB Prefix and Number that identifies shipment uniquely in DeliverDirect. Response also contains URL to fetch shipment label for the shipment. Refer to label section for more infomation.
2. Request parsing failed: In this case, appropriate error message shall be returned in response. There will not be any AXB Number generated.
3. Booking creation failed: In this case, appropriate error message shall be returned in response. There will not be any AXB Number generated.

HTTP Code **200**: Success [When request parsing is successful]

HTTP Code **4XX:** Issues with the payload provided by the client (Missing fields, Wrong Content....)

HTTP Code **400**: Bad Request [When request parsing fails]

HTTP Code **401**: Unauthorized [When request does not contain valid subscription token]

HTTP Code 5**XX:** Internal errors, logic exceptions, unknown exceptions

Response Fields: For version 2.0 additional rate fields are sent in 1.8.x

Sr #	Field	Sub-field	Data Type	Description/ Sample
1.1	exchangeId		String(20)	This is exchange id generated in GUID format on receipt of the request.
1.2	fileIdentifier		String(255)	This is file name applicable in asynchronous request. For synchronous request, this will be Blank.
1.3	siteId		String(36)	This is party identifier of subscription used for sending booking request.
1.4	inputType		String(36)	Indicates what type of input was provided for booking request.
1.5	status		String(36)	Indicates status of booking request. **Processed** means successful. **Rejected** means errors occurred while booking.
1.6	valid		String(10)	Status of parsing of request. **Yes** means request parsing was Successful. **No** means request parsing failed and **validations** collection at the end of the response shall be referred in this case.
1.7	createdOn		DateTime 2021-05-17T01:14:24.10 12461	Date and time in UTC of when booking request was processed.
1.8	shipments	Collection of Shipment Information that was part of the booking request. In case of failed booking processing request, this collection is returned as Blank. If booking failed, prefix, airwaybill and estimatedDeliveryDate will by null.		
Fields not passed from Booking Request parameters (All fields from booking request will be returned in booking response)				
1..8.x	shippingFee		Decimal(13,2)	Total shipping charges that will be applicable for the shipment assuming there is no change in the shipment characteristics when it is actually tendered.

1.8.x	Insurance		Decimal(13,2)	Insurance Charges (if applicable)
1.8.x	totalCharges		Decimal(13,2)	Additional Charges (if applicable)
1.8.x	total		Decimal(13,2)	Total charges that will be applicable for the shipment assuming there is no change in the shipment characteristics when it is actually tendered. Does not include Tax.
1.8.x	totalTax		Decimal(13,2)	Total taxes that will be applicable for the shipment assuming there is no change in the shipment characteristics when it is actually tendered.
1.8.x	otherCharges			
1..8.x		Charge	Decimal(13,2)	Other Charges (if applicable)
1.8.x		Name	String(36)	Name of the Charge (If applicable)
1.8.1		siteId	String(36)	This is party identifier of subscription used for sending booking request.
1.8.2		prefix	String(3)	Prefix of air way bill number created for internal tracking of shipment in DELIVERDIRECT. In case of failed booking, this value will be blank.
1.8.3		airWaybill	String(10)	Air way bill number created for internal tracking of shipment in DELIVERDIRECT. Combination of Prefix and this number makes shipment unique in DELIVERDIRECT.
1.8.4		estimatedDeliveryDate	DateTime 2021-06-16T23:59:00	This indicates when shipment will be delivered at destination (in local time).
1.8.5		status	String(36)	Booking status of the shipment. For successful booking, this will be "**Booked**"
1.8.6		createdOn	DateTime 2020-11-16T19:29:20.92 63384	Date Time in UTC at which booking was created.
1.8.7		labelUrl	String(256)	URL of shipping label which can be invoked to get base64 encoded string for printing shipping label. e.g. **[API_URL]/label?prefix=AXB&airWaybill=00009730**
1.8.8		Origin	String(60)	Internal origin store for the shipment.
1.8.9		Destination	String(60)	Internal destination store for the shipment
1.8.10		Currency	String(3)	ISO Currency Code of the booking.
1.8.8		validations		Collection containing error message that resulted in failure in booking creation.
1.8.8.1		message		This contains message indicating why booking failed.
1.8.8		Other fields in booking response		For all other fields in booking response, refer Booking Request specification in section 1.3. Values provided in booking request are returned in the response.
1.9	validations			Collection containing error information, rejection reasons when booking request fails. **If booking request is processed successfully, this collection is returned as Blank.**
		packageReference	String(36)	Reference number provided for package in the booking request for which error occurred.
		property	String(36)	Field Name of booking request due to which booking request failed.
		message	String(120)	Error/ validation message explaining reason of failure.

Accepted Booking Response

[
  {
    "exchangeId": "test-17f7-test-2382-test",
    "fileIdentifier": null,

```
"siteId": "TEST",
"inputType": "StandardJson",
"status": "Processed",
"valid": "Yes",
"createdOn": "2021-06-28T03:08:30.1127523",
"shipments": [
  {
    "issueDate": "2021-06-29T20:00:00",
    "siteId": "TEST",
    "headerReference": "ReferencesToBeSet",
    "packageReference": "2021-06-03-1",
    "prefix": "AXB",
    "airWaybill": "01234567",
    "estimatedDeliveryDate": "2021-07-05T21:00:00",
    "commodityType": "6501",
    "serviceType": "EST",
    "origin": "YUL99",
    "destination": null,
    "packageDescription": "Test Products",
    "totalGrossWeight": 10.00,
    "totalPackages": 1.00,
    "totalPieces": 1.00,
    "currency": null,
    "insuranceRequired": true,
    "declaredValue": 150.00,
    "specialHandlingType": "INS",
    "deliveryRequestTime": "2021-06-28T03:08:30.1011107",
    "pickupRequestTime": "2021-06-28T03:08:30.1011081",
    "expectedSLAInHours": null,
    "paymentMode": "PX",
    "grossVolumeUnitMeasure": "CFT",
    "grossWeightUnitMeasure": "KG",
    "additionalInfo01": null,
    "additionalInfo02": null,
    "additionalInfo03": null,
    "additionalInfo04": null,
    "status": "Booked",
    "createdOn": "2021-06-28T03:08:30.1127526",
    "labelUrl": "<LABELURL>/label?prefix=AXB&airWaybill=0123456",
    "validations": [],
    "dimensions": [
      {
        "pieceReference": "2021-06-03-1-00001",
        "pieces": 1.00,
        "grossWeight": 10.00,
        "height": 20.00,
        "width": 20.00,
        "length": 20.00
      }
    ],
    "participants": [
      {
        "type": "Shipper",
        "primaryId": "TESTER",
        "additionalId": "",
        "account": "TESTER",
        "name": "TESTER",
        "postCode": "02142",
        "street": "1 Broadway ",
        "street2": null,
        "city": "Boston",
        "countryId": "US",
        "phoneNumber": "19999999999",
        "email": "test@test.com",
        "state": "MA"
      },
      {
        "type": "Consignee",
        "primaryId": null,
        "additionalId": null,
        "account": null,
        "name": "Tester Tester",
        "postCode": "98148",
        "street": "124 Main St",
        "street2": "Unit 4",
        "city": "Los Angeles",
        "countryId": "US",
        "phoneNumber": "8888347867",
        "email": "test2@test.com",
        "state": "CA"
      }
```

```
            ]
         }
      ],
      "validations": []
   }
]
```

Failed Booking Examples
Duplicate package reference number

```
[
    {
        "exchangeId": "Test-5ae6-TEST-2383-test",
        "fileIdentifier": null,
        "siteId": "TEST",
        "inputType": "StandardJson",
        "status": "Rejected",
        "valid": "Yes",
        "createdOn": "2021-06-28T03:29:29.5965112",
        "shipments": [],
        "validations": [
            {
                "packageReference": "2021-06-03-1",
                "property": "Reference",
                "message": "The reference '2021-06-03-1' already exists."
            }
        ]
    }
]
```

Not Serviceable

```
"status": "Rejected",

"valid": "No",
/*---continued----*/
 "prefix": null,

"airWaybill": null,
/*---continued----*/

  "validations": [

  {

 "message": "121 Requested service is not available in desired Destination coverage area  }

     ],
```

Booking Error Handling

There are two kinds of errors that occur in booking requests, both will return a 200 OK status with different body types.

1. Transport/Payload Request Processing failures – There was an issue processing the request. Ex. Malformed JSON, incorrect data fields, file processing issues, missing required fields, etc.
   a. Response Header fields
      i. 1.5 [Status] may display "Rejected"
      ii. 1.6 [valid] may display "No"
      iii. 1.8 [Shipments] will be blank
      iv. 1.9 [validations] will contain error messages

2. Booking Processing failures – File was processed correctly, but data in booking request, failed business rules, didn't contain data that corresponded to customer information, etc.
   a. Response Header fields
      i. 1.5 [Status] will display "Rejected"
      ii. 1.6 [valid] will display "No"
      iii. 1.8 [Shipments] – will not be blank
         1. 1.8.2 [prefix] will be null
         2. 1.8.3 [airWaybill] will be null
         3. 1.8.4 [estimatedDeliveryDate] will be null
         4. 1.8.5 [status] will display "Rejected"
         5. 1.8.8 [validations] Shipment validations will contain more detailed error messages
      iv. 1.9 [validations] Payload validations, may contain no error messages

Booking Error Examples:
Transport/Payload Processing Failures:
Service Type Missing:

```json
[
  {
    "exchangeId": "test-17a7-4b0d-test-test",
    "fileIdentifier": null,
    "siteId": "Test",
    "inputType": "StandardJson",
    "status": "Rejected",
    "valid": "Yes",
    "createdOn": "2021-06-28T03:54:24.1554323",
    "shipments": [],
    "validations": [
      {
        "packageReference": "202103-44",
        "property": "ServiceType",
        "message": "'Service Type' must not be empty."
      }
    ]
  }
]
```

Malformed JSON:

```json
[
  {
    "exchangeId": "6fae6f93-6036-4fde-2390-08d937324c0e",
```

```
        "fileIdentifier": null,
        "siteId": "Test",
        "inputType": "StandardJson",
        "status": "Rejected",
        "valid": "No",
        "createdOn": "2021-06-28T03:56:28.8176843",
        "shipments": [],
        "validations": [
            {
                "packageReference": "File",
                "property": "File format",
                "message": "The file with input type StandardJson can not be mapped"
            }
        ]
    }
]
```

Missing Customer Account Information:

```
[
    {
        "exchangeId": "Test-95a5-Test-2391-test",
        "fileIdentifier": null,
        "siteId": "Test",
        "inputType": "StandardJson",
        "status": "Rejected",
        "valid": "Yes",
        "createdOn": "2021-06-28T03:57:46.5245488",
        "shipments": [],
        "validations": [
            {
                "packageReference": "202103-44",
                "property": "Participants[0].PrimaryId",
                "message": "'Primary Id' must not be empty."
            },
            {
                "packageReference": "202103-44",
                "property": "Participants[0].Account",
                "message": "'Account' must not be empty."
            }
        ]
    }
]
```

Booking Processing Failures:

Origin / Destination not serviced:

```
[
    {
        "exchangeId": "test-cc7b-4a98-238c-test",
        "fileIdentifier": null,
        "siteId": "Test",
        "inputType": "StandardJson",
        "status": "Rejected",
        "valid": "No",
        "createdOn": "2021-06-28T03:35:52.2915381",
        "shipments": [
            {
                "issueDate": "2021-06-29T20:00:00",
                "siteId": "Test",
                "headerReference": "ReferencesToBeSet",
                "packageReference": "202103-13",
                "prefix": null,
                "airWaybill": null,
                "estimatedDeliveryDate": null,
                "commodityType": "6501",
                "serviceType": "EST",
                "origin": null,
                "destination": null,
                "packageDescription": "Test",
                "totalGrossWeight": 10.0000,
                "totalPackages": 1.00,
                "totalPieces": 1.00,
                "currency": null,
                "insuranceRequired": true,
                "declaredValue": 150.00,
                "specialHandlingType": "INS",
                "deliveryRequestTime": "2021-06-28T03:35:52.2725947",
                "pickupRequestTime": "2021-06-28T03:35:52.272593",
                "expectedSLAInHours": null,
                "paymentMode": "PX",
```

```
          "grossVolumeUnitMeasure": "CFT",
          "grossWeightUnitMeasure": "KG",
          "additionalInfo01": null,
          "additionalInfo02": null,
          "additionalInfo03": null,
          "additionalInfo04": null,
          "status": "Rejected",
          "createdOn": "2021-06-28T03:35:52.2915383",
          "labelUrl": null,
          "validations": [
            {
              "message": "001 destination/origin zipcodes are not served"
            }
          ],
          "dimensions": [
            {
              "pieceReference": "202103-13-00001",
              "pieces": 1.00,
              "grossWeight": 10.0000,
              "height": 20.00,
              "width": 20.00,
              "length": 20.00
            }
          ],
          "participants": [
            {
              "type": "Shipper",
              "primaryId": "Test",
              "additionalId": "",
              "account": "Test",
              "name": "Test",
              "postCode": "A1B2C3",
              "street": "123 Sesame  ",
              "street2": null,
              "city": "Montréal",
              "countryId": "CA",
              "phoneNumber": "19999999999",
              "email": "test@test.com",
              "state": null
            },
            {
              "type": "Consignee",
              "primaryId": null,
              "additionalId": null,
              "account": null,
              "name": "Tester Tester",
              "postCode": "H0HOH0",
              "street": "124 Street",
              "street2": "Unit 4",
              "city": "Montreal",
              "countryId": "CA",
              "phoneNumber": "8888347867",
              "email": "test2@test.com",
              "state": null
            }
          ]
        }
      ],
      "validations": []
    }
]
```

Dimensions not accepted:

```
[
    {
      "exchangeId": "test-cc7b-4a98-238c-test",
      "fileIdentifier": null,
      "siteId": "Test",
      "inputType": "StandardJson",
      "status": "Rejected",
      "valid": "No",
      "createdOn": "2021-06-28T03:35:52.2915381",
      "shipments": [
        {
          "issueDate": "2021-06-29T20:00:00",
          "siteId": "Test",
          "headerReference": "ReferencesToBeSet",
          "packageReference": "202103-13",
          "prefix": null,
          "airWaybill": null,
          "estimatedDeliveryDate": null,
```

```
            "commodityType": "6501",
            "serviceType": "EST",
            "origin": null,
            "destination": null,
            "packageDescription": "Test",
            "totalGrossWeight": 10.0000,
            "totalPackages": 1.00,
            "totalPieces": 1.00,
            "currency": null,
            "insuranceRequired": true,
            "declaredValue": 150.00,
            "specialHandlingType": "INS",
            "deliveryRequestTime": "2021-06-28T03:35:52.2725947",
            "pickupRequestTime": "2021-06-28T03:35:52.272593",
            "expectedSLAInHours": null,
            "paymentMode": "PX",
            "grossVolumeUnitMeasure": "CFT",
            "grossWeightUnitMeasure": "KG",
            "additionalInfo01": null,
            "additionalInfo02": null,
            "additionalInfo03": null,
            "additionalInfo04": null,
            "status": "Rejected",
            "createdOn": "2021-06-28T03:35:52.2915383",
            "labelUrl": null,
            "validations": [
                {
                    "    "message": "Invalid shipment dimensions. The maximum allowed dimensions are: Longest side: 79.00, Medium side: 70.00, Shortest side: 64.00"
                }
            ],
            "dimensions": [
                {
                    "pieceReference": "202103-13-00001",
                    "pieces": 1.00,
                    "grossWeight": 10.0000,
                    "height": 20.00,
                    "width": 99.00,
                    "length": 20.00
                }
            ],
            "participants": [
                {
                    "type": "Shipper",
                    "primaryId": "Test",
                    "additionalId": "",
                    "account": "Test",
                    "name": "Test",
                    "postCode": "02142",
                    "street": "123 Sesame ",
                    "street2": null,
                    "city": "Boston",
                    "countryId": "US",
                    "phoneNumber": "19999999999",
                    "email": "test@test.com",
                    "state": null
                },
                {
                    "type": "Consignee",
                    "primaryId": null,
                    "additionalId": null,
                    "account": null,
                    "name": "Tester Tester",
                    "postCode": "H0HOH0",
                    "street": "124 Street",
                    "street2": "Unit 4",
                    "city": "Los Angeles",
                    "countryId": "US",
                    "phoneNumber": "8888347867",
                    "email": "test2@test.com",
                    "state": null
                }
            ]
        }
    ],
    "validations": []
  }
]
```

Labels

The label API provides the opportunity to retrieve the label from a shipment.
Labels are in 4x6 size in returned in Base64 encoding in either PDF or ZPL format.
URL `/label[?prefix][&airWaybill][&format=zpl]`

GET Request:
Query Parameters:

Field	Data Type	Required	Description
prefix	String(3)	F	It is the air waybill prefix generated after shipment integration. Prefix is always "AXB". Required when packageReference is null
airWaybill	String(10)	F	The Tracking number of the shipment. Required when packageReference is null
packageReference	String(36)	F	This is package reference/ tracking number that was provided in booking request. Required when prefix + airwaybill is null
Format	String(3)	F	(Default) -Blank/Not required for PDF format **zpl** - For Zebra printer format
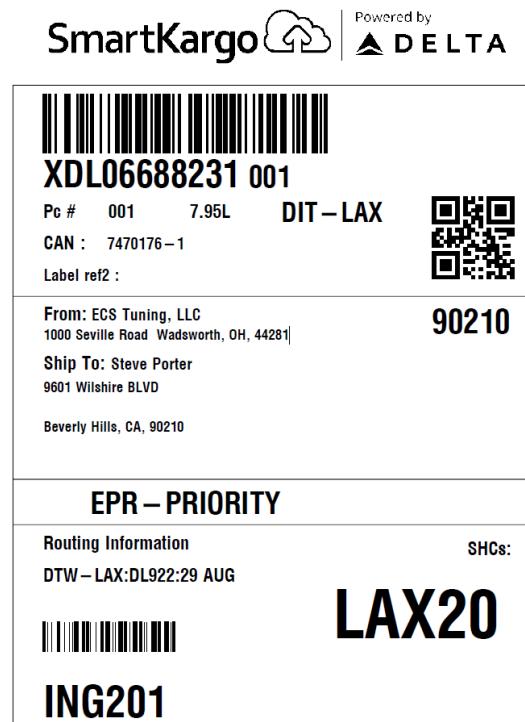
Response:
Successful response with the base64 label
200 OK

```
{
//The base64 content
  "base64Content": "data:application/pdf;base64, [BASE64_CODE_EXAMPLE]"
}
```

Example:

Tracking

The tracking API provides the opportunity to track shipments. It is an easy way to retrieve the event details of shipments progress.

You need to provide at least one of the following parameters:
- packageReference
- prefix + airWaybill

GET Request:
URL: `/tracking[?packageReference=][&prefix=][&airwaybill=][&language]`
Query Parameters:

Sr #	Field	Data Type	Required	Description/ Sample
1.1	**packageReference**	String(36)	N	This is package reference/ tracking number that was provided in booking request
1.2	**Prefix + airwaybill**	String(120)	N	The prefix (AXB, XDL) and airwaybill number of the package provided in the booking request. ?prefix=AXB&airwaybill=01234567
1.3	**Language**	String (2)	N	Language to be returned Default – Blank – EN/FR returned EN – English Only FR – French Only

Response:
Successful response with a list of tracking events in a JSON array orders newest event in the 0th position.

Response Fields:

Sr #	Field	Sub-field	Data Type	Description/ Sample
1	items	This contains collection of tracking event details for the shipment being tracked. If invalid package reference number is passed or if no tracking information is available, then this collection is returned as Empty.		
1.1		prefix	String(3)	This is AWB prefix for the shipment.
1.2		airwaybill	String(8)	This is AWB Number for the shipment.
1.3		headerReference	String(36)	This is header reference that was provided at the time of booking.
1.4		packageReference	String(36)	This is package/ piece reference that was provided at the time of booking.
1.5		eventType	String(3)	Indicates type of event in the shipment lifecycle. Possible events are listed below.
1.6		eventDate	DateTime 2021-05-01T07:30:00	Date Time in local time zone of eventLocation at which event occurred.
1.7		flightNumber	String(10)	Flight/ Truck Number when application for an event.

1.8.1		flightDate	DateTime 2021-05-01	Flight Date in local time zone of eventLocation at which event occurred.
1.8.2		eventLocation	String(5)	Store/ Airport code at which particular even occurred.
1.8.3		flightSegmentOrigin	String(10)	Origin of the flight related to event.
1.8.4		flightSegmentDestination	DateTime 2021-06-16T23:59:00	Destination of the flight related to event
1.8.5		pieces	Integer	Number of pieces that are part of the event.
1.8.6		weight	DateTime 2021-06-04T19:29:20.9263384	Weight of the pieces that are part of the event.
1.8.7		description	String(256)	Shipment event user friendly description

200 OK
JSON:
Airwaybill Found:

```
[
    {
        "prefix": "AXB",
        "airWaybill": "00006510",
        "headerReference": "yogi045",
        "packageReference": "yogi045",
        "pieceReference": "yogi045-001",
        "eventType": "BKD",
        "eventDate": "2021-01-25T13:03:17",
        "flightNumber": "AC123",
        "flightDate": "2021-01-26T13:30:00",
        "eventLocation": "BOS",
        "flightSegmentOrigin": null,
        "flightSegmentDestination": "LAX",
        "pieces": 1.00,
        "weight": 2.8400,
        "description": "Electronic information submitted by shipper Boston Logan."
    },
    {
        "prefix": "AXB",
        "airWaybill": "00006510",
        "headerReference": "yogi045",
        "packageReference": "yogi045",
        "pieceReference": "yogi045-002",
        "eventType": "BKD",
        "eventDate": "2021-01-25T13:03:17",
        "flightNumber": "AC123",
        "flightDate": "2021-01-26T13:30:00",
        "eventLocation": "BOS",
        "flightSegmentOrigin": null,
        "flightSegmentDestination": "BOS",
        "pieces": 1.00,
        "weight": 2.8400,
        "description": "Electronic information submitted by shipper Boston Logan."
    }
]
```

No Airwaybill Found:
JSON Response:

```
[]
```

Event Codes

Event Code	Description
BKD	Electronic information submitted by shipper
RCS	Shipment Picked up by Carrier
DEP	Package has departed the last airline airport for the partner store
RCF	Package has been recovered at the partner store
GDL	Package has left the partner store for the consignee door
DDL	Package has been successfully delivered to the consignee. Proof of delivery with an image is required as part of the transmission
ADL	Partner reached the consignee address for delivery but could not successfully deliver it. Reasons could be consignee not available, no answer at the door, no safe location to leave the package etc. An image describing the situation is required as part of the transmission
RCU	Reminder sent to customer.
DLD	Delivered and left at door

Shipment Details

The details API provides the opportunity to view detailed information about a shipment. It provides all details that were provided at the creation of the order as well as status of the shipment.

GET Request:
Query Parameters:
URL: `/shipment/detail?[&prefix=][&airWaybill=]`

Field	Type	Required	Description
prefix	String	T	It is the air waybill prefix generated after shipment integration.
airWaybill	String	T	The Tracking number of the consignment

Response:
200 OK

```
[{
        "issueDate": "2020-11-13T10:00:00", //It is your issue date reference
        "siteId": "ecommerce", //It is your site identification
        "headerReference": "CAN921135", //It is the air waybill number generated after shipment integration
        "packageReference": "CAN921135", //It is your package level tracking number. Useful when one package has
multiple pieces
        "prefix": "AXB", //It is the air waybill prefix generated after shipment integration
        "airWaybill": "00009730", //It is the air waybill number generated after shipment integration
        "estimatedDeliveryDate": "2020-11-16T23:59:00", //It is the estimated delivery date generated after shipment
integration
        "commodityType": "9309", //It is the commodity identification. Useful to identify the nature of goods
        "serviceType": "EST", //It is the expected service type
        "origin": "YUL01", //It is the origin station
        "destination": null, //It is the destination station
        "packageDescription": "sporting goods", //It is the package description. Useful to identify the nature of goods
        "totalGrossWeight": 1.0000, //It is the total weight of package
        "totalPackages": 1.00, //It is the total packages
        "totalPieces": 1.00, //It is the total pieces
        "insuranceRequired": false, //It is the insurance flag
        "declaredValue": 0.00, //It is the insurance ammount
        "specialHandlingType": null, //It is the special handling identification
        "deliveryRequestTime": "2020-11-17T22:00:00", //It is the expected delivery date
        "pickupRequestTime": "2020-11-17T10:00:00", //It is the expected pickup date
        "expectedSLAInHours": 24, //It is the expected SLA in hours
        "paymentMode": "PX", //It is the payment mode
        "grossVolumeUnitMeasure": "CFT", //It is volume unity of measure
        "grossWeightUnitMeasure": "KG", //It is the weight unity of measure
        "additionalInfo01": null, //Additional info received during shipment integration
        "additionalInfo02": null, //Additional info received during shipment integration
        "additionalInfo03": null, //Additional info received during shipment integration
        "additionalInfo04": null, //Additional info received during shipment integration
        "status": "Booked", //It is the actual status of shipment
        "createdOn": "2020-11-16T19:29:20.9263384", //It is the creation date of shipment
        "labelUrl": "[YOUR_API_DOMAIN]/label?prefix=AXB&airWaybill=00009730", //Link to access the label of this
shipment
        "validations": [], //It is the list of validations. Filled in case of rejection or cancellation
        "dimensions": [{
            "pieceReference": "MAR9999100005064_L01", //It is your individual piece tracking number. This number, if
provided, should be unique
            "pieces": 1.00, //It is the number of pieces in the dimension
            "grossWeight": 1.0000, //It is the total weight in the dimension
            "height": 15.00, //It is the height of dimension
            "width": 100.00, //It is the width of dimension
            "length": 10.00 //It is the length of dimension
        }],
        "participants": [{
            "type": "Shipper", //It is the participant shipper type
            "primaryId": "000220", //It is the shipper primary identification
            "additionalId": "421037004110", //It is the shipper additional identification
            "account": "000220", //It is the shipper account number
            "name": "John Johnson", //It is the shipper name
            "postCode": "02124", //It is the shipper postal code
            "street": "4 King St W", //It is the shipper street name
            "city": "Boston", //It is the shipper city name
```

```
            "state": "Quebec", //It is the shipper state name
            "countryId": "CA", //It is the shipper country id
            "phoneNumber": "19999999999", //It is the phone number
            "email": "test@test.com" //It is the shipper e-mail
        }, {
            "type": "Consignee", //It is the participant consignee type
            "primaryId": null, //It is the consignee primary identification
            "additionalId": null, //It is the consignee additional identification
            "account": null, //It is the consignee account number
            "name": "Steve Smith", //It is the consignee name
            "postCode": "94235", //It is the consignee postal code
            "street": "123 Main St", //It is the consignee street name
            "city": "Boston", //It is the consignee city name
            "state": "MA", //It is the shipper state name
            "countryId": "US", //It is the consignee country id
            "phoneNumber": "5141234567", //It is the phone number
            "email": "test2@test.com" //It is the consignee e-mail
        }]
    }
]
```

SFTP

Booking

Field	Type	Description
Reference	String	This is a reference for all the package references in this batch request
IssueDate	DateTime	This is the issue date for the request and can be used for result access and reporting
Package.Reference	String	This is the individual package reference - as this is a batch request each row will translate to a shipment
Package.CommodityType	String	Commodity type for this package - based on harmonized commodity codes from the service
Package.ServiceType	String	Door-Door, Door-Store, Store-Door, Store-Store
Package.PaymentMode	String	Payment mode PP (payment has to be made at the time of tender), PX(Payment is through pre-established credit mode)
Package.Origin	String	Origin store for the shipment
Package.Destination	String	Destination store for the shipment
Package.Description	String	Harmonized description code - defaults from the selected commodity but can be changed
Package.TotalPackages	Int	Optional
Package.TotalPieces	Int	Total number pieces for this shipment
Package.GrossVolumeUnityMeasure	String	Volume Unit CMC, CFT
Package.TotalGrossWeight	Int	Gross weight for this shipment
Package.GrossWeightUnityMeasure	String	Unit of measure - KGS, LBS
Package.HasInsurance	Bool	If customers agreed insurance with DeliverDirect is to be used? If Yes then the accrued charges for this shipment will include insurance charges
Package.InsuranceAmmount	Double	Amount for which this package needs to be insured for
Package.SpecialHandlingType	String	Any special handling code
Package.DeliveryRequestTime	DateTime	Requested delivery time (at the destination store or at the door based on service type)
Package.PickupRequestTime	DateTime	Requested Pick up time (at the destination store or at the door based on service type)
Package.ExpectedSLAInHours	Int	Total number of hours within which service to be completed
DimensionOne.Pieces	Int	Dimensions and weight for 1st batch of pieces
DimensionOne.Height	Int	Dimensions and weight for 1st batch of pieces
DimensionOne.Width	Int	Dimensions and weight for 1st batch of pieces
DimensionOne.Length	Int	Dimensions and weight for 1st batch of pieces
DimensionOne.GrossWeight	Int	Dimensions and weight for 2nd batch of pieces
DimensionTwo.Pieces	Int	Dimensions and weight for 2nd batch of pieces
DimensionTwo.Height	Int	Dimensions and weight for 2nd batch of pieces
DimensionTwo.Width	Int	Dimensions and weight for 2nd batch of pieces
DimensionTwo.Length	Int	Dimensions and weight for 2nd batch of pieces
DimensionTwo.GrossWeight	Int	Dimensions and weight for 2nd batch of pieces
DimensionThree.Pieces	Int	Dimensions and weight for 3rd batch of pieces
DimensionThree.Height	Int	Dimensions and weight for 3rd batch of pieces
DimensionThree.Width	Int	Dimensions and weight for 3rd batch of pieces
DimensionThree.Length	Int	Dimensions and weight for 3rd batch of pieces
DimensionThree.GrossWeight	Int	Dimensions and weight for 3rd batch of pieces

DimensionFour.Pieces	Int	Dimensions and weight for 4th batch of pieces
DimensionFour.Height	Int	Dimensions and weight for 4th batch of pieces
DimensionFour.Width	Int	Dimensions and weight for 4th batch of pieces
DimensionFour.Length	Int	Dimensions and weight for 4th batch of pieces
DimensionFour.GrossWeight	Int	Dimensions and weight for 4th batch of pieces
Shipper.PrimaryId	String	Shipper information
Shipper.AdditionalId	String	Shipper information
Shipper.Account	String	Shipper information
Shipper.Name	String	Shipper information
Shipper.PostCode	String	Shipper information
Shipper.Street	String	Shipper information
Shipper.City	String	Shipper information
Shipper.CountryId	String	Shipper information
Shipper.PhoneNumber	String	Shipper information
Shipper.Email	String	Shipper information
Consignee.PrimaryId	String	Consignee information
Consignee.AdditionalId	String	Consignee information
Consignee.Account	String	Consignee information
Consignee.Name	String	Consignee information
Consignee.PostCode	String	Consignee information
Consignee.Street	String	Consignee information
Consignee.City	String	Consignee information
Consignee.CountryId	String	Consignee information
Consignee.PhoneNumber	String	Consignee information
Consignee.Email	String	Consignee information
ServiceTaker.PrimaryId	String	Partner information
ServiceTaker.AdditionalId	String	Partner information
ServiceTaker.Account	String	Partner information
ServiceTaker.Name	String	Partner information
ServiceTaker.PostCode	String	Partner information
ServiceTaker.Street	String	Partner information
ServiceTaker.City	String	Partner information
ServiceTaker.CountryId	String	Partner information
ServiceTaker.PhoneNumber	String	Partner information
ServiceTaker.Email	String	Partner information
Notifier.PrimaryId	String	Notification identity information
Notifier.AdditionalId	String	Notification identity information
Notifier.Account	String	Notification identity information
Notifier.Name	String	Notification identity information
Notifier.PostCode	String	Notification identity information
Notifier.Street	String	Notification identity information

Notifier.City	String	Notification identity information
Notifier.CountryId	String	Notification identity information
Notifier.PhoneNumber	String	Notification identity information
Notifier.Email	String	Notification identity information
Consolidator.PrimaryId	String	Consolidation (Optional)
Consolidator.AdditionalId	String	Consolidation (Optional)
Consolidator.Account	String	Consolidation (Optional)
Consolidator.Name	String	Consolidation (Optional)
Consolidator.PostCode	String	Consolidation (Optional)
Consolidator.Street	String	Consolidation (Optional)
Consolidator.City	String	Consolidation (Optional)
Consolidator.CountryId	String	Consolidation (Optional)
Consolidator.PhoneNumber	String	Consolidation (Optional)
Consolidator.Email	String	Consolidation (Optional)
InsuranceProvider.PrimaryId	String	Insurance provider (optional)
InsuranceProvider.Name	String	Insurance provider (optional)