

DAIGTLB API

The DAIGTLB API provides customers with online access to web services for direct system integration. This document outlines how to invoke the web services, and provides field by field details for each service.

REST Based XML Services

Each web service is comprised of a **request** and **response** message.

All services use standard HTTPS POST (not GET) for communication.

For each API call, the caller prepares a request message document, and posts the message via regular HTTPS methods common to all modern programming languages (Java, C#, PHP, Ruby).

Web Service Basics

We cover all the basics of our service implementation, including security, a test user account and how to migrate to production.

Web Service Workflow

Describes how to create shipments that are linked to an end of day manifest.

Services

The API contains the following services.

DAIGTLB API Basics

SSL

All web services are delivered using SSL, to prevent authentication credentials or message content from being intercepted between customer programs and our web server.

Basic Authentication

Each web service is secured using standard basic authentication. Using basic authentication separates message content from authentication credentials, which prevents them from accidentally being included in a saved message document.

Error Processing

HTTP Errors and Standard HTTP Error Codes

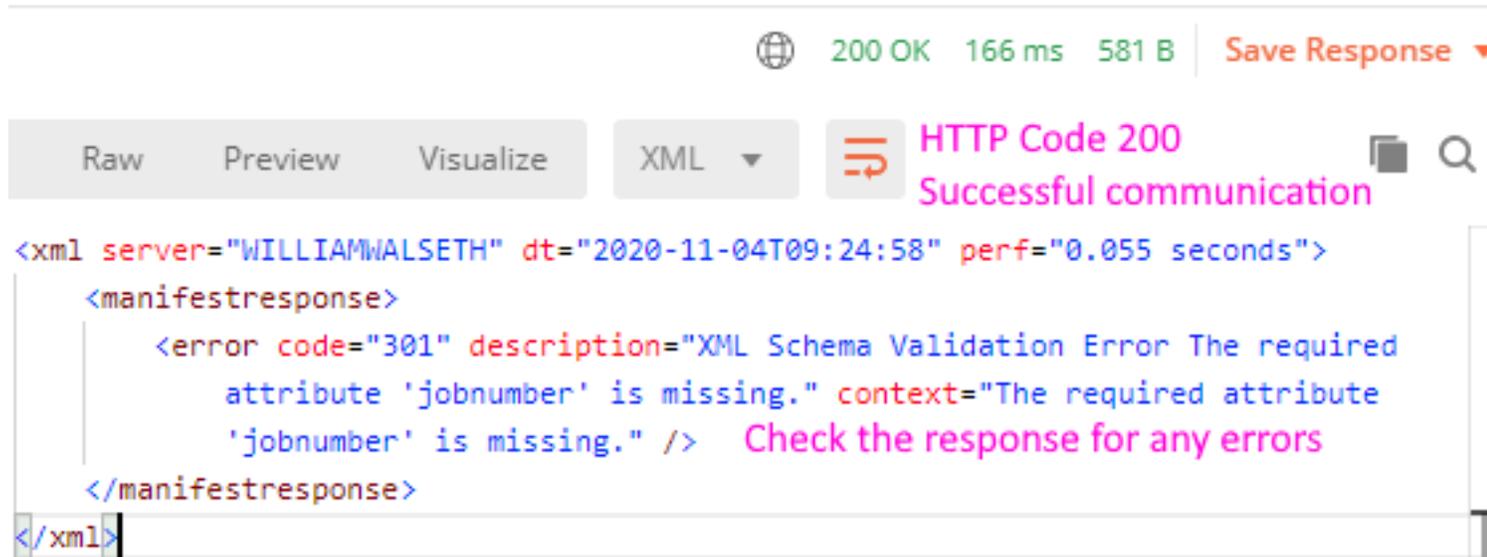
The web services use standard HTTP status values for **communication errors** only. For example 200=Success, 401=Unauthorized, 404=Not Found

Application Errors

If there's no HTTP error in communication or authentication, the HTTP status will always be 200=Success.

Client software must check for an **error** element in the response message of every response. The error element will only be present if an error occurred, and will contain as much specific information about who/what/where/when/why the error occurred.

As an example, here's a simple error showing a missing job number on the manifest service.



The screenshot shows a web browser interface for an API response. At the top right, it displays '200 OK', '166 ms', and '581 B', along with a 'Save Response' button. Below this, there are tabs for 'Raw', 'Preview', and 'Visualize', with 'XML' selected. A status bar indicates 'HTTP Code 200 Successful communication'. The main content area shows the following XML response:

```
<xml server="WILLIAMWALSETH" dt="2020-11-04T09:24:58" perf="0.055 seconds">
  <manifestresponse>
    <error code="301" description="XML Schema Validation Error The required attribute 'jobnumber' is missing." context="The required attribute 'jobnumber' is missing." /> Check the response for any errors
  </manifestresponse>
</xml>
```

Testing

Customers can begin testing right away, using the testing URL, and the following credentials

Basic Authentication

URL <https://daiglobaltrack.com/test/serviceconnect>
User ID testuserid
Password secret:)

OAuth Token

In addition to the Basic Authentication, authentication via an OAuth token is supported. This API call generates a Bearer access token based on the API key and secret associated with your account.

The token expires after 24 hours, after which you must create a new one.

Testing URL <https://daiglobaltrack.com/test/serviceconnect/oauth>
Production URL <https://daiglobaltrack.com/prod/serviceconnect/oauth>
User ID testuserid
Password secret:)

Sample Postman Scripts

We've configured sample "Postman" scripts to allow for easy testing. Download Postman at <https://www.getpostman.com>

There are two Postman scripts to import, click the link to download, then import into Postman

- Postman Environment contains the URL and the test User ID / Password used by the scripts
http://daiglobaltrack.com/DAIPost-Test.postman_environment.json
- Postman Scripts sample requests for Create Shipment, Cancel Shipment and Tracking
http://daiglobaltrack.com/DAIPost.postman_collection.json

Production

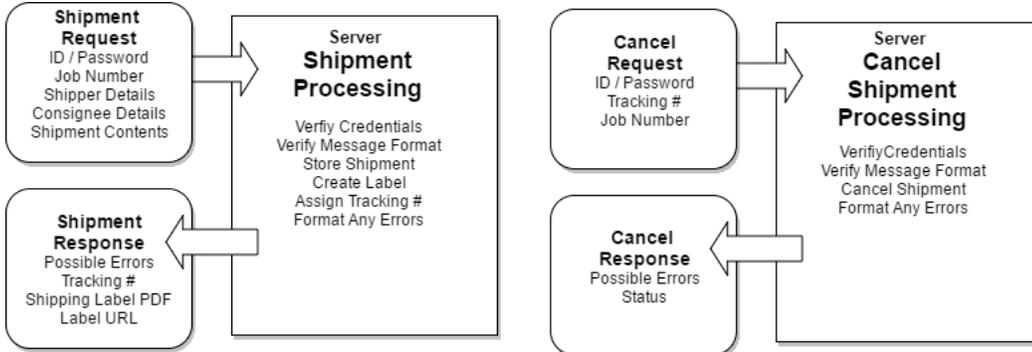
After customers have completed testing, use the production URL, and the credentials provided.

Shipment Workflow - Pre-Assigned Job Numbers

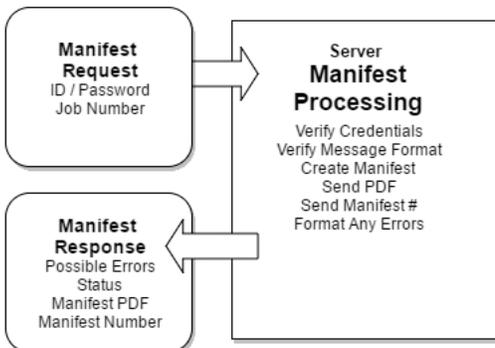
For customers processing mail and can assign a job number in advance, the overall shipment workflow for customers is as follows:

- Create a Job Number for storage (or use end-of-day processing workflow)
- Create a Shipment assign it to a job
- Call the Shipment API
- Store the tracking # returned from the Shipment API
- Print the label returned from the Shipment API
- Download label and reprint, if necessary
- Repeat for all parcels

If a shipment was sent in error, or it cannot be completed, call the cancel API, with the tracking #



At the end of the day, close out a job to create a manifest



- Mark the job number as closed in your system
- Call the manifest API, with the job number (no need to include every shipment)
- Store the manifest number returned from the Manifest API
- Print the manifest PDF document returned from Manifest API
- Download the manifest PDF using the URL returned from the Manifest API as necessary

Shipment Workflow - End of Day Assigned Job Numbers

For customers processing mail wanting to assign shipments to jobs at the end of the day the overall shipment workflow for customers is as follows:

- Create a Shipment XML, no job # is necessary with this method
- Call the Shipment API
- Store the tracking # returned from the Shipment API
- Print the label returned from the Shipment API
- Download label and reprint, if necessary
- Repeat for all parcels

If a shipment was sent in error, or it cannot be completed, call the cancel API, with the tracking #

At the end of the day, close out a job to create a manifest

- Mark the job number as closed in your system
- Call the manifest API, with your job number
- For each shipment in the manifest, create a shipment element with a tracknbr attribute. Include the tracknbr returned from the create shipment response.
- Store the manifest number returned from the Manifest API
- Print the manifest PDF document returned from Manifest API
- Download the manifest PDF using the URL returned from the Manifest API as necessary
- If you don't have a job number, just use a date / time stamp (CCYYMMDD-HH:MM:SS, or similar). Include the date and time, so you can close additional manifests on the same date, if the need arises.

XML Format and Data Types

The XML used in this API is attribute centric and conforms to the following standards.

- All data is included in attributes, elements are used to group attributes
- Elements are self-closing, and only contain a closing tag if they contain a child element.
- Empty, optional, "null", or "false" attributes are not included. Don't set attributes to "" if they do not contain a value. False boolean attributes should not be included. Only include attributes if they are not null and if they contain a value.

Each data field is configured with a data type, as outlined below.

Data Type	Description
Text	Most attribute values are text based. We validate incoming text attributes to not be null if required, and not more than the specified length.
Integer	A whole number starting at 0. If a decimal value is provided it will be rounded to the highest / lowest integer value without warning.
Decimal	A decimal number with up to 3 decimal places

Data Type	Description
Date Time	A date / time stamp combination, using the ISO 8601 standard in the format YYYY-MM-DDThh:mm:ss[.nnnnnnn][{+ -}hh:mm] For example, today's date 2026-03-19T03:18:08 NOTE: Time zone is optional, If the time zone is not included is assumed to be local time
Date	A date only, in the format "YYYY-MM-DD" For example, today's date 2026-03-19
Boolean	1 indicates "true" / "yes". NOTE: Only include boolean attributes when they are true.
Base64	Used to embed a file like a PDF, Image, or ZPL file.

Create Shipment Service

The shipment service is used to prepare each shipment / parcel. It's typically called from software in the customer terminal, as part of a job. Send the shipment addresses (sender / consignee) and parcel details for customs. The service returns a shipping label, and tracking number.

Request Message

Sample request, with return to shipper indicated. Don't specify a return address in this case.

```
<xml>
  <shipment service="Parcel Max" account="ABC" datetime="2020-07-18T13:04:53" reference="123-12345" jobnumber="54321" value="250" currency="USD" uom="kg" weight="0.82" returntoshipper="1" originterminal="LHR" merchantARN="12345" purchaserABN="234" GSTexemptioncode="8675309" dutystatus="DDU" taxidcode="GB100569447000">
    <shipper name="ABC Company" attention="Harold Styles" addr1="123 Main Street" addr2="Apartment 123" city="Braeside" state="VIC" country="AU" postal="3195" phone="+61 3 8586 1200" email="support@daipost.com" />
    <consignee name="ABC Company" attention="Harold Styles" addr1="123 Main Street" addr2="Apartment 123" city="Braeside" state="VIC" country="AU" postal="3195" phone="+61 3 8586 1200" email="support@daipost.com" />
    <item description="iPad" qty="5" unit="pc" value="250.00" origin="CN" cpc="1000001" />
  </shipment>
</xml>
```

Sample request, with multiple items in a single parcel.

```
<xml>
  <shipment service="Parcel Max" datetime="2020-07-18T13:04:53" reference="123-12345" jobnumber="54321" value="260" currency="USD" uom="kg" weight="0.82" originterminal="LHR" dutystatus="DDU">
    <shipper name="ABC Company" attention="Harold Styles" addr1="123 Main Street" addr2="Apartment 123" city="Braeside" state="VIC" country="AU" postal="3195" phone="+61 3 8586 1200" email="support@daipost.com" />
    <consignee name="ABC Company" attention="Harold Styles" addr1="123 Main Street"
```

```

addr2="Apartment 123" city="Braeside" state="VIC" country="AU" postal="3195" phone="+61 3 8586
1200" email="support@daipost.com" />
  <item description="iPad" qty="5" unit="pc" value="250.00" origin="CN" cpc="1000001" />
  <item description="iPad Case" qty="5" unit="pc" value="10.00" origin="CN" />
</shipment>
</xml>

```

shipment

Represents a single shipment

Name	Description	Type	Optional	Sample Value
service	See reference values for "product"	Text (20)		Parcel Max
labelformat	PDF or ZPL	Text (3)	Optional	PDF
account	3 letter account code, optional except for customers supporting multiple accounts	Text (5)	Optional	ABC
originterminal	3 Letter IATA code of the origin terminal. Optional for the return service only	Text (8)	Optional	LHR
reference	Customer reference code that uniquely identifies this parcel. The value will be included in the shipping label and invoice data. Duplicate reference values will trigger an error.	Text (40)		123-12345
referencesuffix	Use this field to disable the requirement for unique reference field values. A unique date-time suffix is added to any reference record that previously used the current reference number. When using this setting, customers must ensure that they do not send a parcel more than one time.	boolean	Optional	1
datetime	Local Date Time	datetime		2020-07-18T13:04:53
jobnumber	Job number that groups shipments together. Optional if calling the manifest with each shipment in the job.	Text (30)	Optional	54321
costcentre	Secondary reference field	Text (50)	Optional	Project 123
value	Total value of all items. Optional for AU to AU shipments	Decimal (2)	Optional	10.99
currency	Currency for shipment and item value. Use 3 character ISO 4217 Currency Code (ie USD, CAD, AUD, GBP, EUR)	Text (3)		USD
uom	Unit of measure (LB or KG. KG by default)	Text (2)		KG
weight	Total weight of the shipment, in the specified unit of measure	Decimal (4)		1.123
leaveatdoor	Instructs driver to leave at door (incompatible with signature)	boolean	Optional	1
signature	Indicates if a signature is required.	boolean	Optional	1
donotdropship	Delivery driver should not leave the parcel at the door, if no one is there to receive it.	boolean	Optional	1
returntoshipper	Use the shipper address for returns, otherwise use the specified return address.	boolean	Optional	

Name	Description	Type	Optional	Sample Value
dimunit	Dimension Unit (IN = inches, CM = Centimeters) Defaults to CM if not specified	Text (2)	Optional	CM
length	Length of Parcel, in the specified dimensional units	Decimal (2)	Optional	20.0
width	Width of Parcel in specified dimensional units	Decimal (2)	Optional	15.5
height	Height of parcel in specified dimensional units	Decimal (2)	Optional	3.0
merchantARN	Merchant (sub-client) needs to provide the ARN for GST calculation	Text (20)	Optional	123456
purchaserABN	Merchant to provide ABN of purchaser (if applicable)	Text (20)	Optional	2345
GSTexemptioncode	If GST has not been charged then provide the exemption code	Text (20)	Optional	12345
insurance	Indicate if you wish to insure the parcel. See your customer contract for insurance coverage terms.	Text ()	Optional	1
insuredvalue	Insured value in AUD	Decimal (2)	Optional	100.00
dangerous	Indicates dangerous goods	boolean	Optional	1
iossid	International shipment tax reference	Text (50)	Optional	
merchammentaxref	The seller's GST registration number for Singapore shipments	Text (50)	Optional	12345
gstpaid	Indicate whether GST has been paid for Singapore shipments	boolean	Optional	1
dutystatus	Duty Status/Incoterm value	Text (3)	Optional	DDP
dropofflocationid	Drop-Off Location ID	Text ()	Optional	
taxidcode	Is a Retailer/Shipper specific Tax ID required for export/import purposes by customs	Text (14)	Optional	GB100569447000

shipper

Address of shipper or consignee

Name	Description	Type	Optional	Sample Value
name	name of shipper or consignee	Text (80)		ABC Company
lastname	Last name of shipper or consignee	Text (80)	Optional	
attention	2nd, optional name of the shipper or consignee	Text (80)	Optional	Harold Styles
addr1	Address line 1	Text (80)		123 Main Street
addr2	Address line 2	Text (80)	Optional	Apartment 123
addr3	Address line 3	Text (80)	Optional	
city	City	Text (80)		Braeside
state	State / Province. Use standard postal abbreviations. Required for AU, US	Text (50)	Optional	VIC
country	ISO 3166 Alpha 2 letter country code	Text (2)		AU

Name	Description	Type	Optional	Sample Value
postal	Postal Code	Text (20)		3195
phone	Local phone number	Text (40)	Optional	+61 3 8586 1200
email	email address, used for follow-up communication	Text (150)	Optional	support@daipost.com

consignee

Address of shipper or consignee

Name	Description	Type	Optional	Sample Value
name	name of shipper or consignee	Text (80)		ABC Company
lastname	Last name of shipper or consignee	Text (80)	Optional	
attention	2nd, optional name of the shipper or consignee	Text (80)	Optional	Harold Styles
addr1	Address line 1	Text (80)		123 Main Street
addr2	Address line 2	Text (80)	Optional	Apartment 123
addr3	Address line 3	Text (80)	Optional	
city	City	Text (80)		Braeside
state	State / Province. Use standard postal abbreviations. Required for AU, US	Text (50)	Optional	VIC
country	ISO 3166 Alpha 2 letter country code	Text (2)		AU
postal	Postal Code	Text (20)		3195
phone	Local phone number	Text (40)	Optional	+61 3 8586 1200
email	email address, used for follow-up communication	Text (150)	Optional	support@daipost.com

return

Specify a return address, if the return to shipper is not indicated.

Name	Description	Type	Optional	Sample Value
name	name of shipper or consignee	Text (80)		ABC Company
lastname	Last name of shipper or consignee	Text (80)	Optional	
attention	2nd, optional name of the shipper or consignee	Text (80)	Optional	Harold Styles
addr1	Address line 1	Text (80)		123 Main Street
addr2	Address line 2	Text (80)	Optional	Apartment 123
addr3	Address line 3	Text (80)	Optional	
city	City	Text (80)		Braeside
state	State / Province. Use standard postal abbreviations. Required for AU, US	Text (50)	Optional	VIC
country	ISO 3166 Alpha 2 letter country code	Text (2)		AU
postal	Postal Code	Text (20)		3195
phone	Local phone number	Text (40)	Optional	+61 3 8586 1200

Name	Description	Type	Optional	Sample Value
email	email address, used for follow-up communication	Text (150)	Optional	support@dai-post.com

item

Include 1 item element for each item in the shipment. Optional for AU to AU shipments only.

Name	Description	Type	Optional	Sample Value
itemcode	Account Item identifier / SKU	Text (50)	Optional	SKU-123
description	Description of the item.	Text (250)		iPad Case
qty	Quantity. The number of items, must be at least 1	int		5
unit	Type of item (box, pc, carton)	Text (25)		pc
value	Total value for all items. If each piece costs 2.00, and qty=5, then indicate 10.00	Decimal (2)		10.00
hscode	Harmonization Code	Text (30)	Optional	OU812
origin	Country of origin. Specify the ISO 3166-1 Alpha 2 Letter code for the country of origin	Text (2)	Optional	CN
exportreason	Identifies why the item is being exported (Sale, Gift, etc.)	Text (15)	Optional	Sale
cpc	(Customs procedure code) Used to determine nature of export, ie Bonded, Non Bonded etc	Text (7)	Optional	1000001
ordernbr	Specific order number of the item to be updated	Text (50)	Optional	1234567890
descriptioncn	Description CN of the item	Text (250)	Optional	商品描述
taxcode	Taxcode of the item	Text (50)	Optional	1234567890
producturl	Product URL of the item	Text (250)	Optional	https://sampleproductURL.com/order/1234567890

Response Message

Sample shipment response with base64 encoded ZPL label.

```
<xml>
  <shipmentresponse tracknbr="1234567"
  label="^XA^CF,0,0,0^PR12^MD30^PW800^POI^CI13^LH0,20&#xA;^FO12...Value Truncated" />
</xml>
```

Sample shipment with a duplicate reference response.

```
<xml>
  <shipmentresponse>
    <error code="102" description="Duplicate Reference" context="Shipment reference 123 has already been used." />
  </shipmentresponse>
</xml>
```

```
</shipmentresponse>
</xml>
```

shipmentresponse

The shipment response is returned in response to the shipment request. Callers should first check for any error nodes before processing the response. The response contains a tracking number, and shipping label.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking Number that can be used for all subsequent tracking requests.	Text (30)		8675309
labelformat	PDF or ZPL returned. ZPL is not base 64 encoded. PDF is based 64 encoded.	Text (3)	Optional	PDF
label	Shipping Label in the specified label format	Text ()		
barcode	Shipment barcode #	Text (100)	Optional	
lodgement	Shipment lodgement point	Text (10)	Optional	

error

Errors are formatted into error elements / objects. A full list of error codes appears in the reference section of this document.

Name	Description	Type	Optional	Sample Value
code	Code value of the error	int		100
description	Text description of the error message	Text (500)		Invalid XML
context	Error context information	Text (50)	Optional	Error on line 1

Cancel Shipment Service

Use the cancel shipment to cancel a pending shipment, that is not yet part of a closed job.

Request Message

Request

```
<xml>
  <cancelshipment tracknbr="1234567890" />
</xml>
```

cancelshipment

Identifies a shipment to cancel, shipments must be cancelled before closing the manifest job.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking number, assigned to the shipment	Text (50)		1234567890

Response Message

Successful response

```
<xml>
  <cancelshipmentresponse tracknbr="1234567890" status="Success" />
</xml>
```

Error response

```
<xml>
  <cancelshipmentresponse>
    <error code="102" description="Not found" context="Shipment 1234567890 cannot be found." />
  </cancelshipmentresponse>
</xml>
```

cancelshipmentresponse

Indicates the status of the cancelled shipment.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking number assigned to the shipment	Text (50)		1234567890
status	"Success", if the cancellation was successful, otherwise see the error element.	Text (10)		Success

error

Any errors cancelling the shipment will appear in this element.

Name	Description	Type	Optional	Sample Value
code	Code value of the error	int		100
description	Text description of the error message	Text (500)		Invalid XML
context	Error context information	Text (50)	Optional	Error on line 1

Manifest Service

The manifest service is called at the end of day, or whenever mail processing is complete. Call with the manifest job number provided with each shipment request to bundle all shipments together into a single job manifest.

Request Message

Sample manifest, closes all shipments created with job number 12345

```
<xml>
  <manifest jobnumber="12345" datettime="2020-07-18T13:04:53.295Z" />
</xml>
```

Sample manifest, created job number 12345, and assigned shipments T1, T2, T3 to job number 12345.

```
<xml>
  <manifest jobnumber="12345" datetime="2020-07-18T13:04:53.295Z">
    <shipment tracknbr="T1" />
    <shipment tracknbr="T2" />
    <shipment tracknbr="T3" />
  </manifest>
</xml>
```

manifest

Used to close a manifest job, and retrieve the manifest PDF document. The service can be called in two ways. 1) With just a jobnumber. Include the job number provided with all of the individual create shipment requests. This approach works best if you know in advance what you'll be shipping before you make the create shipment calls. 2) With a new job number and all shipment tracking number. This approach allows you to call the manifest service after bundling shipments together at the end of day.

Name	Description	Type	Optional	Sample Value
jobnumber	The job number to be closed.	Text (30)		12345
datetime	Local Date Time	datetime		2017-07-18T13:04:53.295Z
mawbnbr	MAWB #	Text (30)	Optional	
jobtype	See reference values for "jobtype"	Text (20)	Optional	
mawbdestination	MAWB Destination Terminal	Text (10)	Optional	
length	Length must be a positive decimal number.	Decimal (2)	Optional	30.00
width	Width must be a positive decimal number.	Decimal (2)	Optional	30.00
height	Height must be a positive decimal number.	Decimal (2)	Optional	30.00
etd	Estimate Time of Departed must be earlier than ETA, and both must be in valid ISO 8601 datetime format.	datetime	Optional	2017-07-18T13:04:53.295Z
eta	Estimate Time of Arrived must not be in the past relative to the manifest creation time.	datetime	Optional	2017-07-18T13:04:53.295Z
uom	Unit of Measurement (cm or inch)	Text (5)	Optional	cm
unittype	Unit Type must be selected from allowed cargo types (AKE, PMC, Loose).	Text (20)	Optional	AKE
physicalweight	Physical Weight must be a positive decimal number.	Decimal (2)	Optional	150.00
airline	Airline Name	Text (50)	Optional	Cathay Pacific
flightnumber	Airline Flight Number	Text (20)	Optional	MH6119

shipment

Optional. Specifies the shipments in the manifest. Use this for end of day processing when the job is not known at the

time the create shipment call was made.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking # of the parcel to be manifested	Text (50)	Optional	1234567890

Response Message

Sample manifest response with Base 64 encoded PDF

```
<xml>
  <manifestresponse jobnumber="12345"
  manifestpdf="JVBERi0xLjUNJeLjz9MNCjcgMCBvYmoNPdWvTGluZWYyaXplZC...Value Truncated" />
</xml>
```

Sample manifest with an error

```
<xml>
  <manifestresponse>
    <error code="102" description="No unassigned shipments" context="No shipments are available
for assignment to job 12345" />
  </manifestresponse>
</xml>
```

manifestresponse

Contains the manifest PDF for the requested manifest job.

Name	Description	Type	Optional	Sample Value
jobnumber	The manifest job number provided in the request.	Text (30)		12345
manifestpdf	Base 64 encoded PDF document describing the job, includes customer account information, total weight and shipment count.	base64		base 64 PDF content here...Base 64 File Content

error

Name	Description	Type	Optional	Sample Value
code	Code value of the error	int		100
description	Text description of the error message	Text (500)		Invalid XML
context	Error context information	Text (50)	Optional	Error on line 1

Tracking Service

Use the tracking API to retrieve tracking information for a shipment. Individual tracking is limited to 1 call per second. For occasional use, we provide a tracking API to return all events for a single shipment. To retrieve all tracking events, call the service with the type = "new". This is the most efficient and fastest way to stay up-to-date on all

tracking events for your account.

Optional: Partner API Gateway

- For high volume partners, contact helpdesk@daipost.com to obtain an additional API key for our Partner API Gateway at:
<https://partnerapi.daiglobaltrack.com/prod/serviceconnect/tracking>
- Requests and Responses from the Partner API Gateway are identical to this documentation with the exception of this alternate URL and the addition of the new API key included in an "x-api-key" HTTP header.
- The Partner API Gateway makes sense for high volume partners who intend to regularly query each shipment to maintain a tracking information for all shipments.

Request Message

Sample tracking request, for a single parcel.

```
<xml>
  <tracking tracknbr="123" />
</xml>
```

Sample tracking request, download all "new" events, since the last API call. This is our recommended approach for getting tracking information.

```
<xml>
  <tracking type="new" account="ABC" />
</xml>
```

tracking

Specifies the tracking number of a specific number to track.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking number of the parcel to be tracked.	Text (50)	Optional	1234567890
type	Specify "new" to get all new tracking events received since the last tracking event.	Text (6)	Optional	new
account	Account code, optional except for customers supporting multiple accounts, when using the "new" tracking type attribute.	Text (30)	Optional	ABC
limit	When downloading all new tracking events, you may wish to limit results. If you specify 1000, you will get back the oldest 1000 events since you last downloaded new events. You can then call it again to get additional newer events. The default and maximum limit is 10000 events.	Text (6)	Optional	10000

Response Message

Sample response for a single parcel. All events for this parcel are returned. NOTE: the most recent event appears first

```

<xml>
  <trackingresponse tracknbr="1234567890" mawb="123-12345678">
    <trackingevent code="FD01" description="Parcel Delivered" eventdate="2020-04-06T10:20"
city="Brisbane" country="AU" />
    <trackingevent code="DC01" description="Cleared Customs" eventdate="2020-04-05T11:28"
city="Brisbane" country="AU" />
    <trackingevent code="DA01" description="Shipment arrived in Destination Country"
eventdate="2020-04-02T8:28" city="Singapore" country="SN" />
    <trackingevent code="CI02" description="Customer Information Manifested" eventdate="2020-04-
01T19:28" city="London" country="GB" />
  </trackingresponse>
</xml>

```

Sample response for "new" tracking events. Multiple parcels are returned, and likely multiple events for each parcel.

```

<xml>
  <trackingresponse tracknbr="123" mawb="123-12345678">
    <trackingevent code="FD01" description="Parcel Delivered" eventdate="2020-04-06T10:20"
city="Brisbane" country="AU" />
  </trackingresponse>
  <trackingresponse tracknbr="234" mawb="234-2345678">
    <trackingevent code="FD01" description="Parcel Delivered" eventdate="2020-04-06T10:20"
city="Brisbane" country="AU" />
    <trackingevent code="DC01" description="Cleared Customs" eventdate="2020-04-05T11:28"
city="Brisbane" country="AU" />
  </trackingresponse>
</xml>

```

trackingresponse

Tracking data for the specified tracking request.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking number for the shipment being tracked.	Text (50)		1234567890
mawb	MAWB - when available	Text (25)		123-12345678

trackingevent

A repeating group of tracking events. The most recent will appear first.

Name	Description	Type	Optional	Sample Value
code	See reference values for "trackingeventcodes"	Text (5)		FD01
description	Description of the event	Text (150)		Shipment Delivered
eventdate	Date and Time of the Tracking Event in the local time of the event.	datetime		2020-04-01T10:28
city	City, where the tracking event occurred.	Text (150)	Optional	London

Name	Description	Type	Optional	Sample Value
country	Country code (ISO 3166) where the tracking event occurred.	Text (2)	Optional	GB

error

Errors are specified if there's a technical error or the tracking number cannot be found.

Name	Description	Type	Optional	Sample Value
code	Code value of the error	int		100
description	Text description of the error message	Text (500)		Invalid XML
context	Error context information	Text (50)	Optional	Error on line 1

RePrint Service

The reprint service allows customers to re-retrieve a label. It's rarely used, typically only if a label is corrupted during printing.

Request Message

Re-print label

```
<xml>
  <reprint tracknbr="1234567890" />
</xml>
```

reprint

Identifies a shipment that requires a label re-print.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking number, assigned to the shipment	Text (50)		1234567890
labelformat	Label format of the reprint	Text (3)	Optional	ZPL/PDF

Response Message

Sample label re-print response with base64 encoded ZPL label.

```
<xml>
  <reprintresponse tracknbr="1234567890"
  label="^XA^CF,0,0,0^PR12^MD30^PW800^POI^CI13^LH0,20&#xA;^FO12...Value Truncated"
  labelformat="ZPL" />
</xml>
```

reprintresponse

The shipment response is returned in response to the shipment request. Callers should first check for any error

nodes before processing the response. The response contains a tracking number, and shipping label.

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking number assigned to the shipment	Text ()		1234567890
label	Encoded label. Most labels will be under 10k, expect up to 20k	base64		Base 64 File Content
labelformat	PDF or ZPL	Text ()		PDF

RePrint Manifest Service

-

Request Message

Re-print manifest file

```
<xml>
  <reprintmanifest jobnumber="12345" />
</xml>
```

reprintmanifest

-

Name	Description	Type	Optional	Sample Value
jobnumber	The job number to be reprinted	Text (30)		

Response Message

Sample label re-print manifest response with base64 encoded PDF label.

```
<xml>
  <reprintmanifestresponse jobnumber="12345"
  label="JVBERi0xLjUNJcLjz9MNCjcgMCEvYmoNPdWvTGluZWYyaXplZC...Value Truncated" />
</xml>
```

reprintmanifestresponse

-

Name	Description	Type	Optional	Sample Value
jobnumber	-	Text (30)		
label	-	Text ()		

Rate Service

The rateshipment service is used to provide a rate for a Parcel Right shipment

Request Message

Sample rating request

```
<xml>
  <rateshipment account="ABC" service="Parcel Right" origin="SYD" destinationpostcode="1350"
weight="1" />
</xml>
```

rateshipment

Parcel Right Rating API

Name	Description	Type	Optional	Sample Value
account	Account code, optional except for customers supporting multiple accounts	Text (30)	Optional	ABC
service	Service Code	Text (50)		Parcel Right
origin	Origin state of shipment	Text (20)		SYD
destinationpostcode	Postal code of consignee	Text (10)		1350
weight	Total weight(KG) of the shipment	Decimal (2)		1.12

Response Message

Sample rate shipment response

```
<xml>
  <rateshipmentresponse rate="6.40" currency="AUD" />
</xml>
```

Return Service

Return service allows customers to create a return label

Request Message

Return Label Request for the pieces Delivered by DAI

```
<xml>
  <return tracknbr="1234567890" labelformat="PDF" />
</xml>
```

Return Label Request for the pieces not Delivered by DAI

```
<xml>
  <shipment service="returnlabel" labelformat="ZPL" account="ABC" originterminal="Test"
reference="ReturnTestLabel1" datetime="4/05/2023 6:48:55 AM" value="1" currency="USD" uom="LB"
weight="0.1">
```

```

    <shipper name="DAI" addr1="123 Main Street" city="Braeside" state="VIC" country="AU"
postal="3195" />
    <consignee name="ABC" addr1="123 Test Street" city="Sydney" state="NSW" country="AU"
postal="2044" />
    <item description="Test Label" qty="1" unit="1" value="1" />
  </shipment>
</xml>

```

Response Message

Response for the pieces delivered by DAI

```

<xml>
  <returnresponse returtracknbr="1234567890" labelformat="PDF" returnlabel="JVBER..." />
</xml>

```

Response for the pieces not delivered by DAI

```

<xml>
  <shipmentresponse tracknbr="33PVN....." labelformat="ZPL" label="^XA...^XZ" />
</xml>

```

returnresponse

-

Name	Description	Type	Optional	Sample Value
returtracknbr	The tracking number of the return label.	Text (50)		1234567890
labelformat	PDF, PNG or ZPL returned	Text (3)		PDF
returnlabel	Return Label in the specified label format	Text ()		

Update API Service

DAI allows customers to modify specific values on shipments after they have been created. This ensures that DAI has the most up to date information available when parcels begin processing. Note: Shipment data updates should be done before job manifesting. Doing it after job manifesting will result in an error.

Request Message

Sample update request without item details (Valid)

```

<xml>
  <update tracknbr="1234567890" kg="2" />
</xml>

```

Sample update request with item details (Valid)

```

<xml>
  <update tracknbr="1234567890" kg="2">

```

```

    <itemdetails ordernbr="123" description="New description" />
  </update>
</xml>

```

update

Update shipment weight and dimensions

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking # of the shipment	Text (50)		1234567890
kg	New weight of the shipment	Decimal (2)	Optional	1.23
length	New length of the shipment	Decimal (2)	Optional	20
width	New width of the shipment	Decimal (2)	Optional	15
height	New height of the shipment	Decimal (2)	Optional	10

itemdetails

Update shipment item details

Name	Description	Type	Optional	Sample Value
ordernbr	Specific order number of the item to be updated	Text (50)		1234567890
qty	New quantity of the item	int	Optional	1
value	New value of the item	Decimal (2)	Optional	10.00
description	New description of the item	Decimal (2)	Optional	item description
hocode	New hocode of the item	Decimal (2)	Optional	OU812
descriptioncn	New description CN of the item	Text (250)	Optional	商品描述
taxcode	New taxcode of the item	Text (50)	Optional	1234567890
producturl	New product URL of the item	Text (250)	Optional	https://sampleproductURL.com/order/1234567890

Response Message

Update Response

```

<xml>
  <updateresponse tracknbr="1234567890" label="^XA.....Truncated.....^XZ" labelformat="ZPL"
status="Success" />
</xml>

```

updateresponse

Name	Description	Type	Optional	Sample Value
tracknbr	Tracking # of the shipment	Text (50)		1234567890
status	Indicates the status of the update shipment request.	Text (10)		Success
label	-	Text ()	Optional	
labelformat	-	Text ()		

Reference Values

The following values are used in XML.

austate

Value	Description
ACT	Australian Capital Territory
NSW	New South Wales
NT	Northern Territory
QLD	Queensland
SA	South Australia
TAS	Tasmania
VIC	Victoria
WA	Western Australia

currencylist

List of valid DAI currencies

Value	Description
GBP	
SGD	
CAD	
AUD	
USD	
NZD	

dutystatussource

Value	Description
1	Supplier Table
2	Client Supplied
3	Account Table

jobtype

Value	Description
premium	Premium
select	Select
standard	Standard

product

Specify the product to be used, using one of the following values.

Value	Description
Parcel Max	Parcel Max
INTL-S	International Standard
DOM-T	Domestic Tracked
returnlabel	DAI Return Label
Parcel Right	Parcel Right
Reship	ReShip Tracked
Parcel Max Access	Parcel Max Access
Parcel Right International	Parcel Right International

ratetypelist

Lists various rating types used for calculating revenue.

Value	Description
Max Dimensional and Terminal Kg * 1.7 dim	Max Dimensional and Terminal Kg * 1.7 dim
Max of Dimensional and Terminal Kg	Max of Dimensional and Terminal Kg
Max of Terminal and Original Kg	Max of Terminal and Original Kg
Physical Kg * Longest Dim	Physical Kg * Longest Dim
Terminal Kg	Terminal Kg

terminallist

Value	Description
Amsterdam	AMS
Auckland (Asendia)	AKL
Chicago	ORD
DAI Brisbane	DBNE
DAI Perth	DPER
DAI POST JFK	JFK
DAI Sydney	DSYD

Value	Description
DAI Tullamarine	TME
Hong Kong	CHK
London	LHR
Los Angeles	LAX
Shenzhen	SZX
Singapore	SIN

trackingeventcodes

Tracking events returned by the tracking service.

Value	Description	Other Description
AD01	Departure delay	There's a departure delay. Thanks for your patience, we'll update you soon.
AD02	Airline transit delay	There's a transit delay. Thanks for your patience, we'll update you soon.
AD03	Airline departure delay due to extreme weather at destination	Transit delay due to weather. Thanks for your patience.
CI02	Customer label information received	We've received your delivery details from [shipper name]. We'll let you know as soon as your parcel is in our hands.
CI03	Shipment cancelled by the customer	Your delivery has been cancelled as requested. If this wasn't you, let us know and we'll help sort it out.
CI06	Parcel delivery information received	We've received your delivery details from [shipper name]. We'll let you know as soon as your parcel is in our hands.
CI07	We haven't received your parcel yet. Please check with the retailer.	Your parcel hasn't arrived at our facility yet. For the latest update, please check directly with the retailer.
DA01	Parcel arrived in destination country	Touchdown! Your parcel has landed.
DA02	Parcel arrived in trans-shipment country.	Your parcel's made a pit stop in a new country, getting closer!
DA05	Collected from the airline for processing	We've collected your parcel from the airline and it's being processed.
DA06	Parcel arrived in transit port	
DA11	Your parcel did not physically arrive, only tracking information was provided	Your parcel hasn't arrived as expected.
DC01	Customs cleared	All clear! Your parcel's passed customs and is ready for the next leg.
DC03	Parcel received at clearance facility	Your parcel's arrived at the clearance facility, customs checks underway.
DC11	Customs clearance delay	Your parcel is being checked by customs. We'll let you know as soon as it's cleared.
DC14	Your parcel may be delayed, due to missing mandatory entry data	Your parcel is being checked by customs. We'll let you know as soon as it's cleared.
DC32	Australian Border Force - Held for inspection	Your parcel has been held by customs. We may need your help with the clearance process.

Value	Description	Other Description
DE03	Parcel damaged in transit and undeliverable	Your parcel hasn't arrived as expected. We're investigating and will update you.
DE20	Parcel returned and re-exported to sender	Your parcel's being returned to [shipper name].
DE21	Parcel returned to retailer	Your parcel's being returned to [shipper name].
DH01	Parcel processed by clearance facility	Your parcel is being checked by customs. We'll let you know when it's cleared.
DH02	Handed over for trans-shipment	Your parcel's on its way to you, it's making good progress!
DT01	Domestic linehaul departed	Your parcel's on an interstate journey. We'll keep you updated as it travels.
DT02	Domestic linehaul arrival	Your parcel's arrived at a local depot closer to you.
DT03	Parcel in transit for processing	Your parcel's on its way to the next facility. We'll keep you posted.
DT04	Parcel in transit for processing	Your parcel's on its way to the next facility. We'll keep you posted.
DT05	Parcel arrived at processing facility	We're getting your parcel ready for the final stretch.
E2E5	For testing purposes only	For testing purposes only
FD01	Parcel delivered	Delivered! Your parcel from [shipper name] has arrived. Enjoy!
FD02	Parcel delivered - authority to leave	Delivered, left where you can find it.
FD03	Parcel delivered to neighbouring property	Delivered to a neighbouring property.
FD10	Parcel unsafe to leave at address	We couldn't leave your parcel safely. We'll let you know how to collect it.
FD11	Parcel delivered	Delivered! Your parcel from [shipper name] has arrived. Enjoy!
FD12	Parcel unsafe to leave at address	We couldn't leave your parcel safely. We'll let you know how to collect it.
FD13	Parcel unsafe to leave at address	We couldn't leave your parcel safely. We'll let you know how to collect it.
FD21	Parcel available for collection	Your parcel from [shipper name] is ready for pick up.
FD31	Parcel delivered - collected from pick up location	You've picked up your parcel. Enjoy!
FE01	Undeliverable, unsafe to leave at address	We couldn't leave your parcel safely. We'll let you know how to collect it.
FE03	Undeliverable, address details incorrect	We're missing some delivery details. Once we have what we need, we'll get your parcel moving again.
FE04	Undeliverable, refused delivery at address	Delivery was refused at the address.
FE05	Held in depot, pending further instructions	
FE06	Undeliverable, address details incorrect	We're missing some delivery details. Once we have what we need, we'll get your parcel moving again.
FE07	Delivery under investigation with final mile carrier	There's a delivery delay. We're investigating and will keep you updated.
FE08	Parcel redirected to new address	Your parcel is on its way to a new address.

Value	Description	Other Description
FE09	Item misrouted or redirected	There's a transit delay. We're working to get your parcel back on track.
FE10	Parcel returned to the final mile carrier facility	Your parcel's been returned to our depot. Awaiting further instructions from [shipper name].
FE11	Parcel on route to returns facility	Your parcel's being sent to the returns facility.
FP01	Parcel processed for final mile carrier delivery	Your parcel's being sorted, delivery is just around the corner.
FP03	Parcel in transit with the final mile carrier	Your parcel's on its way to you, almost there!
FP05	Parcel out for final mile carrier delivery	It's happening, your parcel will be delivered today. Get ready!
FP07	Parcel received by final mile carrier	Your parcel's at the depot, prepare for delivery.
FP09	Your parcel has been handed over into our regional delivery network	Your parcel's at the depot, prepare for delivery.
FP10	Parcel delivery delay	There's a delivery delay. We're investigating and will keep you updated.
FP11	Delivery delay anticipated due to extreme weather	There's a delivery delay. We're investigating and will keep you updated.
INT-0003	Arrived at facility	Your parcel's arrived at a local facility, getting ready for the next step.
INT-0008	Cleared and awaiting international departure	All clear! Your parcel's passed customs and is ready for the next leg.
INT-0030	International arrival - awaiting clearance	Your parcel has arrived and is waiting for customs clearance.
INT-0031	Item received into Customs for clearance	Your parcel's been handed to the local postal carrier for customs clearance.
INT-0032	Arrived at local facility for delivery	We're getting your parcel ready for the final stretch.
INT-0035	Received by postal carrier for delivery	Your parcel's at the depot, prepare for delivery.
INT-0071	Arrived at facility	Your parcel's arrived at a local depot.
INT-0074	Onboard for delivery	Your parcel's on its way to you, almost there!
INT-2031	Scheduled for despatch	Your parcel's scheduled for its next journey. Not long now!
INT-2144	Item lodged	Your parcel is being checked by customs. We'll let you know when it's cleared.
INT-2164	Landed in Destination Country	Touchdown! Your parcel has landed.
INT-2165	Arrived at postal carrier's facility in USA	Your parcel is now with the local postal carrier, almost there!
INT-2170	Item has been handed over to the air carrier	Your parcel's flight is booked and ready for take-off. We'll update you as it lands.
INT-2171	Booked for flight	Your parcel's with the airline and set for departure.
INT-2177	Flight departed	Your parcel is in the air and is heading your way.
INT-2180	Flight landed	Touchdown! Your parcel has landed.
INT-2185	Item handed over to the local postal authority	Customs has received your parcel for clearance. Nearly there!
INT-2187	Arrived at facility	Your parcel's on the move, arrived at the next facility.

Value	Description	Other Description
OA01	Checked in at origin hub	Your parcel's checked in and being prepared for its journey.
OA02	Parcel not received at origin facility	
OA03	Parcel received in processing facility	
OE01	Parcel rejected at origin facility	Your parcel couldn't be accepted at our origin facility.
OP01	Parcel processed at origin facility	We've processed your parcel at our origin facility. Next, on the move to you!
OP03	Parcel processed at origin facility	We've processed your parcel at our origin facility. Next, on the move to you!
OP07	Parcel received and sorted	We've got your parcel and it's been sorted for delivery.
OP08	Parcel received in transit facility	Your parcel's arrived at our local facility, it's on the way.
OP09	Parcel held by origin border security	
OU01	Parcel departed origin country	Your parcel is in the air and is heading your way.
OU02	Parcel departed trans-shipment country	Your parcel's left the transfer country and is back on the move.
OU03	Parcel departed transit port	
SF01	Qantas Freight system failure – significant delays expected	
SF02	Airline ground handling delay	
WE01	Parcel lost in transit	Your parcel hasn't arrived as expected. We're investigating and will update you.
WE02	Delivery data is incomplete	We're missing some delivery details. Once we have what we need, we'll get your parcel moving again.
WR01	Parcel sent to returns facility	Your parcel's being sent to the returns facility.
WR02	Parcel sent to returns facility	Your parcel's being sent to the returns facility.
WR10	Parcel received at returns facility	Your parcel's arrived at the returns facility. Awaiting further instructions.
WR14	Parcel returned to sender	Your parcel's being returned to depot.
WR17	Parcel returned - By the recipient	Delivery was refused at the address.
WR19	Returned to sender - Overweight/Oversize parcel	Your parcel's being returned to [shipper name].
WR21	Parcel reshipped to receiver from returns facility	Your parcel's on its way to you.

Error Code List

This API will output a defined list of error codes.

- The current defined list of error codes and their associated descriptions appear on this list.

Number	Description
101	Root Element Expected
102	Unexpected Error Encountered
103	Invalid Service Name Specified

Number	Description
104	No Response Generated By Service
105	No Tracking Number Provided
106	Invalid Shipment Product Specified
107	Invalid Shipment Job Number Specified
108	Invalid Terminal Provided
109	Cannot locate shipment by tracking number
120	No Job Number Provided
121	No Open Job to Close
122	No Label Available for the Specified Vendor
123	The specified Job Number has already been closed.
124	No shipments provided. If you're creating an end of day shipment, include all shipment tracknbrs.
125	A shipment with the identical reference # has been processed for your account. See context attribute for the associated carrier tracknbr for use in reprint / cancel shipment.
126	Shipment weight must be > 0.01 kg
127	No Route Defined for Shipment Parameters
128	The state code or state name is invalid for the country specified.
129	The value of the shipment doesn't match the sum total of each item.
130	Invalid Postal Code Provided.
131	An invalid customer account was specified.
132	Multiple jobs found with this job reference id
133	Reference number field can not contain comma(,)
134	Invalid Address object provided
300	XML Format Error, Invalid XML
301	XML Schema Validation Error
601	A connote with the identical reference # has been processed for this terminal.Please provide a different reference #
999	This API service is not presently available