

## Table of Contents

<b>Introduction to the Frayte API Developer Kit .....</b>	<b>3</b>
<b>Chapter 1: API Basics .....</b>	<b>3</b>
Frayte Integration Environments .....	3
Supported Standards .....	4
JSON API Overview .....	4
The JSON API expects the following HTTP headers:.....	5
API access .....	5
Authentication .....	5
Requests .....	5
Responses .....	5
JSON responses.....	5
<b>Chapter 2: Integration Process .....</b>	<b>5</b>
Shipments .....	5
Initialize Ship .....	6
JSON Response: .....	9
Consignment information payload to initialize shipment .....	10
Finalize Ship .....	14
<b>JSON Request:-</b> .....	15
JSON Response:- .....	15
.....	15
JSON Error.....	18
JSON Syntax Error .....	18
Network Error .....	18
Unknown Operation .....	18
List of country-codes .....	19
Tracking Package JSON Developer Guide.....	25
Introduction .....	25
Customer Integration Environment (CIE) .....	25
System Availability .....	26
JSON Testing and Production URLs .....	26
JSON Examples Request Track .....	26
JSON Request Track Response.....	27
{.....	27
Tracking information payload:- .....	28
Tracking: JSON Error.....	28
JSON Syntax Error .....	28
Network Error .....	28
Unknown Operation .....	29
Label Recovery Package JSON Developer Guide .....	30
Customer Integration Environment (CIE) .....	30
System Availability .....	30
JSON Testing and Production URLs .....	30
Request Label Recovery Example .....	30
Response Label Recovery Example .....	31
Request Label information payload:-.....	31

JSON Error.....	32
JSON Syntax Error .....	32
Network Error.....	32
Unknown Operation .....	32





**FRAYTE**  
*unique logistic services*

## Introduction to the Frayte API Developer Kit

### Chapter 1: API Basics

Frayte APIs offers businesses a simple yet powerful way to integrate Frayte API functionality. From shipping rate requests to shipping orders, the APIs allow virtually any application, service, or system that requires instant, up-to-date access to a Frayte functionality, a straightforward means to do so.

Frayte provides APIs, based on the request-response message framework: JSON.

The APIs offered by Frayte are classified by four key characteristics:

API functionality Examples	Examples: Ship, Track, label
API request-response framework	JSON
Integration by country	Country the countries that the API may be legally integrated with are listed in the Availability section, on the respective Frayte Developer Kit API page at Frayte.com. Note: This information is subject to change.
Functionality by country	Countries that support the API functionality are found in the Appendix of the API's Developer Guide. Example: The Shipping API lists the Origin Ship-From countries that are supported by the functionality within the API.

### Frayte Integration Environments

Frayte has two environments for use during the development process, the Customer Integration Environment (CIE) for testing and bug fixes, and the Production environment for going live. All API requests are submitted in the form of an HTTP POST. Due to the nature of the information being transmitted, it is recommended that you use a secure HTTP request (HTTPS).

- **IMPORTANT NOTE:** Do not use CIE as a production environment. It does not support all API functionality and contains only limited data.

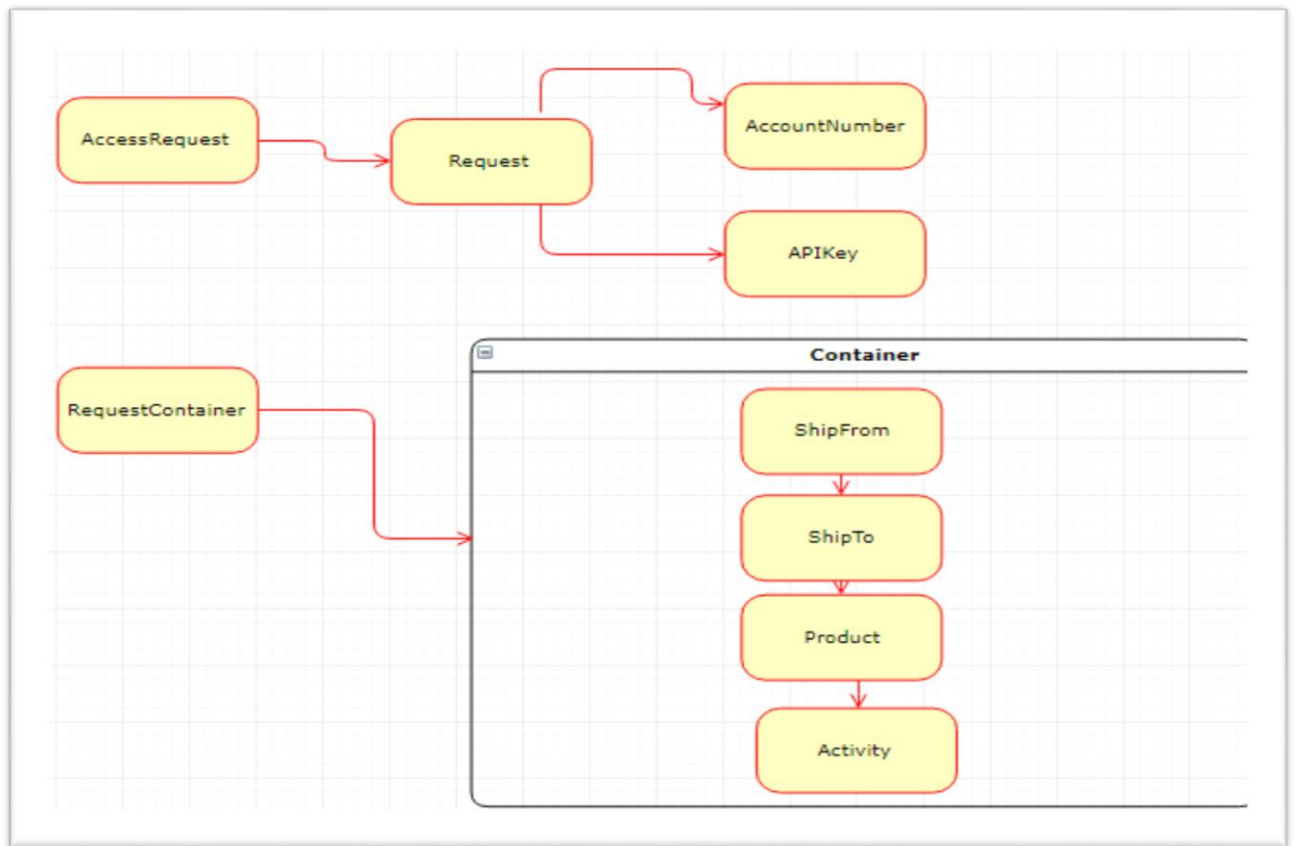
- IMPORTANT NOTE: Do not engage in any load or performance testing against the Frayte CIE or Production environments. Doing so may result in your access being revoked.

#### Supported Standards

JavaScript Object Notation (JSON) as described by RFC 7159 and ECMA-404

Hypertext Transfer Protocol (HTTP)

Diagram2



#### JSON API Overview

The JSON API uses the same underlying data model and standard objects as those in the REST Web Service/XML API. Similarly, it allows you to make a request to the Frayte system via an HTTP/s POST.

JSON defines a lightweight data interchange format consisting of attribute-value pairs. The format is based on a subset of the JavaScript programming language and supports a simplified

java-like format. It does not define any of the standard SOAP elements (envelope, header, body).

Frayte Web Services also support REST - JSON requests. The structure of JSON and Xml requests and responses are similar except for a few elements.

The JSON API expects the following HTTP headers:

Access-Control-Allow-Headers:	Origin, X-Requested-With, Content-Type, Accept
Access-Control-Allow-Methods:	POST
Access-Control-Allow-Origin:	*
Content-Type:	application/json

### API access

The Frayte API can be accessed via a REST web service which encompasses the actual payload. The web service communicates using JSON/encoded messages.

### Authentication

Each API-call requires a successful authentication on behalf of the user (APIKey, AccountNo) to access the system. The authentication data is case-sensitive

If you find you are unable to gain access to the system through the API, please ensure that you are using the correct, case-sensitive characters, i.e. the correct upper case and lower case characters within the parameter.

### Requests

The service expects all request-payload as JSON data. The required structure is defined for each call.

### Responses

The service will return the response in one of two available formats. The corresponding format is defined for each call

### JSON responses

The result is encoded in a JSON structure.

## Chapter 2: Integration Process

### Shipments

The workhorse of the Frayte API, a Shipment is made up of a "ShipTo" and "ShipFrom" Address, the Parcel being shipped, and any customs forms required for international

deliveries. Once created a Shipment object is used to retrieve shipping Rates and purchase a label.

Frayte APIs provides to create shipment in Two Step

1. InitializeShip
2. FinalizeShip

#### *Initialize Ship*

An **Initialize Ship** Request with a valid **ShipTo** Address, **ShipFrom** Address, and parcel Custom Info and **Initialize Ship** will automatically populate its rates attribute and Fees, and Rates are generated by Frayte API and cannot be modified by the user.

**Test Endpoint:** - <http://api.godemowithus.com/Api/Shipment/InitializeShip>

JSON Request:-

```
{
  "Security": {
    "APIKey": "GDA5QSDniZFhPyxC5Lpbb49kEztBTWkzNva8FwQbriw=",
    "AccountNumber": "365594970"
  },
  "ShipFrom": {
    "CompanyName": "Coffey",
    "FirstName": "Gabriel C Mitchell",
    "LastName": "",
    "Email": "krishan.kumar@irasys.biz",
    "Phone": "07764253939",
    "Address": {
      "Address1": "64 Church Rd",
      "Address2": "church Rd",
      "City": "London",
      "State": "UK",
```

```
"Area": "",
"Postcode": "SW13 0DQ",
"CountryCode": "GBR"
},
"ShipTo": {
"CompanyName": "The Period Chair Workshop",
"FirstName": "Krishan ",
"LastName": "Yogi",
"Email": "",
"Phone": "01302745578",
"Address": {
"Address1": "Old Builders Yard",
"Address2": "20, Westgate",
"City": "Doncaster",
"State": "UK",
"Area": "",
"Postcode": "DN11 9NE",
"CountryCode": "GBR"
},
"Package": [
{
"CartoonValue": 5,
"Length": 19,
"Width": 55,
"Height": 32,
"Weight": 6,
```

```
"DeclaredValue": 10,
  "ShipmentContents": "Goods"
},
{
  "CartoonValue": 10,
  "Length": 15,
  "Width": 25,
  "Height": 45,
  "Weight": 4,
  "DeclaredValue": 100,
  "ShipmentContents": "Goods"
}
],
"CustomInformation": {
  "ContentsType": "Gift",
  "ContentsExplanation": "",
  "RestrictionType": "none",
  "RestrictionComments": "N/A",
  "NonDeliveryOption": "return",
  "CustomsSigner": "Anil"
},
"ParcelType": "",
"AddressType": "B2B",
"DeclaredCurrencyCode": "GBR",
"ShipmentReference": "Testing",
"PaymentPartyTaxAndDuties": "Receiver",
"RequestedPickupDate": "2018-02-02 13:00:00",
"RequestedPickupTime": "1615",
"PackageCalculationType": "kgToCms"
}
```



## JSON Response:

```
{
  "Status": true,
  "Description": "Rate Card Recevied Successfully",
  "ShipmentId": "clz2EE0FGI8=",
  "RateCard": [
    {
      "RateId":
      "fnJ8661dZXqHWV8qyNUM8Ki0hIVzkM9n/yIhSTnnei9dxnSrdbc5/pXfYhW3xNVQi5uex3/1J5CiIL2Wwt
      OuW864wjb7bRagWlQw9NRXcOdud0pbHSojhSwTz0I0NPwTLTVu+wI3NspTTFUR2fccbdSAPQ3Q1CXA
      5yPBXXM2T4k=",
      "RateType": "Express",
      "RateServiceType": "Import",
      "RateCalculationId": "SNrbXLW1J4IfiKbVxnIm8VMGxMKZb8mIJSoez0HgVZQ=",
      "RateTypeCalculation": "kgToCms",
      "RateCalcuatedOn": "05/02/2018 12:00:00 AM",
      "TotalCost": 5144.01,
      "RateCurrencyCode": "INR",
      "CourierAccountId":
      "rNeDDea9Z0+vDGQa1w7yqSaehGSIpOhpPpmdzngAc20d6iYn+HDjTj3vItdie+UW",
      "CourierName": "DHL",
      "CourierDescription": null,
      "CourierCountryCode": "GB"
    }
  ]
}
```

Consignment information payload to initialize shipment

Name/Type	Description / example	Constraints
Security		
APIKey string	The APIKey used for authentication "APIKey":GDA5QSDniZFhPyxC5Lpbb49kEztBTWkzNva8FwQbriw="	required, max length: max
AccountNumber String	The Account Number used for authentication "AccountNumber": "365594970"	required, max length: 9
ShipFrom		
CompanyName string	Name of the organization name and company name can be included "CompanyName": "WHYTECLIFF GROUP LTD",	required, max length: (100)
FirstName string	FirstName of the User "FirstName": "MR ALEX",	required, max length: (100)
LastName string	LastName of the User "FirstName": "XYZ",	required, max length: (50)
Email string	Valid Email id of the User "Email":krishan.kumar@irasys.biz	required, max length: (100)
Phone string	Valid Phone Number of the User "Phone": "07764253939",	required, max length: (20)

Address		
Address1 string	Valid Address1 of the User "Address1": "501 KWONG LOONG TAI BUILDING",	required, max length: (200)
Address2 string	Valid Address2 of the User "Address1": "1016 - 1018 TAI NAN WEST STREET",	required, max length: (200)
City string	Valid City of the User "City": "CHEUNG SHA WAN",	required, max length: (50)
State string	State of the User " State": "",	Not required, max length: (20)
Area string	Area of the User " Area ": "",	Not required, max length: (20)
PostCode string	Valid Post Code " PostCode ": "",	Not required, max length: (9)
CountryCode string	Valid Country Code " CountryCode": " HKG",	Not required, max length: (3)
ShipTo		

CompanyName string	Name of the organization name and company name can be included "CompanyName": "IraSys Soluations Pvt Ltd",	required, max length: (100)
FirstName string	FirstName of the User "FirstName": "Krishan",	required, max length: (100)
LastName string	LastName of the User "FirstName": "Yogi",	required, max length: (50)
Email string	Valid Email id of the User "Email":krishan.kumar@irasys.biz	required, max length: (100)
Phone string	Valid Phone Number of the User "Phone": "xxxxxx2903",	required, max length: (20)
Address		
Address1 string	Valid Address1 of the User "Address1": "G-1921",	required, max length: (200)
Address2 string	Valid Address2 of the User "Address1": "Sector 63",	required, max length: (200)
City string	Valid City of the User "City": "Noida",	required, max length: (50)
State string	State of the User " State": "UP",	Not required,

		max length: (20)
PostCode string	Valid Post Code "PostCode": "201307",	Not required, max length: (9)
CountryCode string	Valid Country Code "CountryCode": "IND",	required, max length: (3)
Package array []		
CartoonValue decimal	Number of Package Cartoon "CartoonValue": 10,	required, max length: (18,2)
Length decimal	Piece of Length "Length": 15,	required, max length: (18,2)
Weight decimal	Piece Weight "Weight": 4,	required, max length: (18,2)
DeclaredValue decimal	Piece Declared Value "DeclaredValue": 100,	required, max length: (18,2)
ShipmentContents string	Piece Description "ShipmentContents": "Goods"	required, max length: (100)
CustomInformation		
ContentsType string	package of Contents Type "ContentType": "Gift", Document, Merchandise, Returned Goods, Sample, other	required, max length: (20)

ContentsExplanation string	package of Contents Explanation  "ContentsExplanation": "My testing",	Not required, max length: (100)
RestrictionComments string	package of Restriction Comments  "RestrictionComments": "N/A",	Not required, max length: (100)
NonDeliveryOption string	Package Non Delivery Option "NonDeliveryOption": "return","Return to Sender"	required, max length: (50)
CustomsSigner string	Customer Signer "CustomsSigner": "Anil"	required, max length: (50)
AddressType string	Customer Address Type "AddressType": "B2B","B2C"	required, max length: (50)
ShipmentReference string	Shipment Reference  "ShipmentReference": "Testing",	required, max length: (100)
PaymentPartyTaxAndDuties string	Payment Party Tax And Duties "PaymentPartyTaxAndDuties": "Receiver","Shipper","Third Party"	required, max length: (50)
RequestedPickupDate DateTime	Package Requested Pickup Date and Time  "RequestedPickupDate": "2018-02-06 13:00:00", Format: - "yyyy-MM-dd T HH:mm"	required, max length: (50)
PackageCalculationType string	Package weight Package Calculation Type  "PackageCalculationType": "kgToCms" "lbsToinc"	required, max length: (50)

#### *Finalize Ship*

A **Finalize Ship** Request with a valid **ShipmentId** and **RateID** and will automatically book Shipment and generate tracking number and shipment label

**Test Endpoint:** - <http://api.godemowithus.com/Api/Shipment/FinalizeShip>

#### JSON Request:-

```
{
  "Security": {
    "APIKey": "GDA5QSDniZFhPyxC5Lpbb49kEztBTWkzNva8FwQbriw=",
    "AccountNumber": "365594970"
  },
  "ShipmentId": "KAM+UJO4tF8=",
  "RateCardId":
  "7KfHqcJQ812Q6HRSEKQTlrHm17PZAjPgRNYLcyyGhM+tW/e769SSQ2u27hca3le37TdsIMhTcgW95ea+iBG5
  UrnZhk5+mtLFWORINGPUT6jT1SRKoBZsTXzQgg9S+49xgXIBnuFOIUSZIBjXw3yR4seGF7t0uj+atzmirXPnl3U="
}
```

#### JSON Response:-

```
{
  "ShipmentBookingId": "lcqwtPF8cd4=",
  "Status": true,
  "Description": "Your Shipment is created successfully.",
  "TrackingNumber": "Order_144327",
  "Mode": "Test",
  "CreatedOn": "2018-02-08T13:00:00",
  "Currency": "INR",
  "PaymentParty": {
    "PartyType": "Receiver",
    "AccountNo": null
  },
}
```

```
"FromAddress": {
  "CompanyName": "WHYTECLIFF GROUP LTD",
  "FirstName": "MR ALEX",
  "LastName": "",
  "Email": "krishan.kumar@irasys.biz",
  "Phone": "07764253939",
  "Fax": null,
  "Address": {
    "Address1": "501 KWONG LOONG TAI BUILDING",
    "Address2": "1016 - 1018 TAI NAN WEST STREET",
    "City": "CHEUNG SHA WAN",
    "State": "",
    "Area": "",
    "Postcode": "",
    "CountryCode": "HK"
  }
},
"ToAddress": {
  "CompanyName": "The Period Chair Workshop",
  "FirstName": "Krishan ",
  "LastName": "Yogi",
  "Email": "",
  "Phone": "01302745578",
  "Fax": null,
  "Address": {
    "Address1": "Old Builders Yard",
    "Address2": "20,Westgate",
    "City": "Doncaster",
    "State": "UK",
```



```
"Area": "",
"Postcode": "DN11 9NE",
"CountryCode": "GB"}
},
"Rates": {
"RateId":
"fnJ8661dZXqHWV8qyNUM8Ki0hIVzkM9n/ylhSTnnei9dxnSrdbc5/pXfYhW3xNVQi5uex3/1J5CiIL2WwtOuW
864wj7b7bRagWIQw9NRXcOdud0pbHSojhSwTz0I0NPwTLTVu+wl3NspTTFUR2fccbdSAPQ3Q1CXA5yPBXXM2
T4k=",
"RateType": "Import",
"TotalCost": 5144.02,
"RateCurrencyCode": "INR",
"CourierName": "DHL"
},
"CustomInfo": {
"ContentsType": "Gift",
"ContentsExplanation": "",
"RestrictionType": "none",
"RestrictionComments": "N/A",
"CustomsSigner": "Anil",
"NonDeliveryOption": "return"
}, "PackageDetails": [
{
"PackageTrackingNumber": "JD013036538171584375",
"Length": 19,
"Width": 55,
"Height": 32,
"Weight": 6,
"ShippingLabel": {
"ImageBase64": "iVBORw0KGgoAAAANSUUEGAAAyWAAATCCAAAAAB6DD09AAAAD3RFWHR
}},
```

```
{
  "PackageTrackingNumber": "JD013036538171584376",
  "Length": 15,
  "Width": 25,
  "Height": 45,
  "Weight": 4,
  "ShippingLabel": {
    "ImageBase64": "iVBORw0KGgoAAAANSUhEUgAAAYwAAATCCAAAAAB6DD09AAAAD3RFWHR
  }}}}
```

### JSON Error

#### JSON Syntax Error

Indicates a problem with the JSON syntax.

- ❖ Verify your request syntax is correct.

#### Network Error

Transient error indicating the network is hindering request submission.

- ❖ Retry the request again later.

#### Unknown Operation

The Frayte system does not understand the operation and is unable to forward the request to the correct API.

- ❖ Verify the request headers are correct.
- ❖ Check request structure

Error Code	Error Key	Description
601	NOT_ACCEPTABLE	
602	NOT_EXCEED	
603	FORBIDDEN	
604	BAD_REQUEST	
605	MODE.CONFLICT	
606	REQUIRED	

607	BATCH.FILE_FORMAT.INVALID	
608	BATCH.PARAMS.INVALID	
609	DOCUMENT.CONVERSION.FAILURE	
610	IMAGE.CONVERSION.FAILURE	
611	IMAGE.WIDTH.INVALID	
612	UNAVAILABLE	
613	FAILED/FAILURE	
614	NO_MATCHING	
615	INCONSISTENT	
616	INVALID	
616	ALREADY_EXISTS	
617	NO_RESPONSE	
618	RANGE_INVALID	
619	ALREADY_GENERATED	

*List of country-codes*

Country Name	Country Code	CountryCode2
Afghanistan	AFG	AF
Albania	ALB	AL
Algeria	DZA	DZ
American Samoa	ASM	AS
Andorra	AND	AD
Angola	AGO	AO
Anguilla	AIA	AI
Antarctica	ATA	AQ
Antigua and Barbuda	ATG	AG
Argentina	ARG	AR
Armenia	ARM	AM
Aruba	ABW	AW
Australia	AUS	AU
Austria	AUT	AT
Azerbaijan	AZE	AZ
Bahamas	BHS	BS
Bahrain	BHR	BH
Bangladesh	BGD	BD
Barbados	BRB	BB
Belarus	BLR	BY
Belgium	BEL	BE
Belize	BLZ	BZ
Benin	BEN	BJ

Bermuda	BMU	BM
Bhutan	BTN	BT
Bolivia	BOL	BO
Bosnia and Herzegovina	BIH	BA
Botswana	BWA	BW
Brazil	BRA	BR
British Indian Ocean Territory	IOT	IO
British Virgin Islands	VGB	VG
Brunei	BRN	BN
Bulgaria	BGR	BG
Burkina Faso	BFA	BF
Burundi	BDI	BI
Cambodia	KHM	KH
Cameroon	CMR	CM
Canada	CAN	CA
Cape Verde	CPV	CV
Cayman Islands	CYM	KY
Central African Republic	CAF	CF
Chad	TCD	TD
Chile	CHL	CL
China	CHN	CN
Christmas Island	CXR	CX
Cocos Islands	CCK	CC
Colombia	COL	CO
Comoros	COM	KM
Cook Islands	COK	CK
Costa Rica	CRI	CR
Croatia	HRV	HR
Cuba	CUB	CU
Curacao	CUW	CW
Cyprus	CYP	CY
Czech Republic	CZE	CZ
Democratic Republic of the Congo	COD	CD
Denmark	DNK	DK
Djibouti	DJI	DJ
Dominica	DMA	DM
Dominican Republic	DOM	DO
East Timor	TLS	TL
Ecuador	ECU	EC
Egypt	EGY	EG
El Salvador	SLV	SV
Equatorial Guinea	GNQ	GQ

Eritrea	ERI	ER
Estonia	EST	EE
Ethiopia	ETH	ET
Falkland Islands	FLK	FK
Faroe Islands	FRO	FO
Fiji	FJI	FJ
Finland	FIN	FI
France	FRA	FR
French Polynesia	PYF	PF
Gabon	GAB	GA
Gambia	GMB	GM
Georgia	GEO	GE
Germany	DEU	DE
Ghana	GHA	GH
Gibraltar	GIB	GI
Greece	GRC	GR
Greenland	GRL	GL
Grenada	GRD	GD
Guam	GUM	GU
Guatemala	GTM	GT
Guernsey	GGY	GG
Guinea	GIN	GN
Guinea-Bissau	GNB	GW
Guyana	GUY	GY
Haiti	HTI	HT
Honduras	HND	HN
Hong Kong	HKG	HK
Hungary	HUN	HU
Iceland	ISL	IS
India	IND	IN
Indonesia	IDN	ID
Iran	IRN	IR
Iraq	IRQ	IQ
Ireland	IRL	IE
Isle of Man	IMN	IM
Israel	ISR	IL
Italy	ITA	IT
Ivory Coast	CIV	CI
Jamaica	JAM	JM
Japan	JPN	JP
Jersey	JEY	JE

Jordan	JOR	JO
Kazakhstan	KAZ	KZ
Kenya	KEN	KE
Kiribati	KIR	KI
Kosovo	XKX	XK
Kuwait	KWT	KW
Kyrgyzstan	KGZ	KG
Laos	LAO	LA
Latvia	LVA	LV
Lebanon	LBN	LB
Lesotho	LSO	LS
Liberia	LBR	LR
Libya	LBY	LY
Liechtenstein	LIE	LI
Lithuania	LTU	LT
Luxembourg	LUX	LU
Macao	MAC	MO
Macedonia	MKD	MK
Madagascar	MDG	MG
Malawi	MWI	MW
Malaysia	MYS	MY
Maldives	MDV	MV
Mali	MLI	ML
Malta	MLT	MT
Marshall Islands	MHL	MH
Mauritania	MRT	MR
Mauritius	MUS	MU
Mayotte	MYT	YT
Mexico	MEX	MX
Micronesia	FSM	FM
Moldova	MDA	MD
Monaco	MCO	MC
Mongolia	MNG	MN
Montenegro	MNE	ME
Montserrat	MSR	MS
Morocco	MAR	MA
Mozambique	MOZ	MZ
Myanmar	MMR	MM
Namibia	NAM	NA
Nauru	NRU	NR
Nepal	NPL	NP
Netherlands	NLD	NL

Netherlands Antilles	ANT	AN
New Caledonia	NCL	NC
New Zealand	NZL	NZ
Nicaragua	NIC	NI
Niger	NER	NE
Nigeria	NGA	NG
Niue	NIU	NU
North Korea	PRK	KP
Northern Mariana Islands	MNP	MP
Norway	NOR	NO
Oman	OMN	OM
Pakistan	PAK	PK
Palau	PLW	PW
Palestine	PSE	PS
Panama	PAN	PA
Papua New Guinea	PNG	PG
Paraguay	PRY	PY
Peru	PER	PE
Philippines	PHL	PH
Pitcairn	PCN	PN
Poland	POL	PL
Portugal	PRT	PT
Puerto Rico	PRI	PR
Qatar	QAT	QA
Republic of the Congo	COG	CG
Reunion	REU	RE
Romania	ROU	RO
Russia	RUS	RU
Rwanda	RWA	RW
Saint Barthelemy	BLM	BL
Saint Helena	SHN	SH
Saint Kitts and Nevis	KNA	KN
Saint Lucia	LCA	LC
Saint Martin	MAF	MF
Saint Pierre and Miquelon	SPM	PM
Saint Vincent and the Grenadines	VCT	VC
Samoa	WSM	WS
San Marino	SMR	SM
Sao Tome and Principe	STP	ST
Saudi Arabia	SAU	SA
Senegal	SEN	SN

Serbia	SRB	RS
Seychelles	SYC	SC
Sierra Leone	SLE	SL
Singapore	SGP	SG
Sint Maarten	SXM	SX
Slovakia	SVK	SK
Slovenia	SVN	SI
Solomon Islands	SLB	SB
Somalia	SOM	SO
South Africa	ZAF	ZA
South Korea	KOR	KR
South Sudan	SSD	SS
Spain	ESP	ES
Sri Lanka	LKA	LK
Sudan	SDN	SD
Suriname	SUR	SR
Svalbard and Jan Mayen	SJM	SJ
Swaziland	SWZ	SZ
Sweden	SWE	SE
Switzerland	CHE	CH
Syria	SYR	SY
Taiwan	TWN	TW
Tajikistan	TJK	TJ
Tanzania	TZA	TZ
Thailand	THA	TH
Togo	TGO	TG
Tokelau	TKL	TK
Tonga	TON	TO
Trinidad and Tobago	TTO	TT
Tunisia	TUN	TN
Turkey	TUR	TR
Turkmenistan	TKM	TM
Turks and Caicos Islands	TCA	TC
Tuvalu	TUV	TV
U.S. Virgin Islands	VIR	VI
Uganda	UGA	UG
Ukraine	UKR	UA
United Arab Emirates	ARE	AE
United Kingdom	GBR	GB
United States	USA	US
Uruguay	URY	UY
Uzbekistan	UZB	UZ



Vanuatu	VUT	VU
Vatican	VAT	VA
Venezuela	VEN	VE
Vietnam	VNM	VN
Wallis and Futuna	WLF	WF
Western Sahara	ESH	EH
Yemen	YEM	YE
Zambia	ZMB	ZM
Zimbabwe	ZWE	ZW
Tahiti	PYF	PF
Canary Islands	ICC	IC
Norfolk Island	NFK	NF
French Gyuana	GUF	GF
Bonaire/St. Eustatius	BQSE	BQ

## Tracking Package JSON Developer Guide

### Introduction

In this document, you will find guidance and instructions for integrating the Tracking **JSON** API into your application, service, or system.

IMPORTANT:

- ❖ If this is your first time working with the Frayte Developer Kit, begin with the Introduction to the Frayte Developer Kit guide. This guide serves as the foundation for all API-specific developer guides.
- ❖ For additional API, XPath, and Error Code information, refer to the Tracking Web Service Developer Guide.

### Customer Integration Environment (CIE)

The Customer Integration Environment allows customers to test their application prior to launch. This environment is intended for integration testing of customer applications with the Frayte servers.

Once your application has been thoroughly tested, you should redirect the application to the Frayte Production Environment.

- ❖ No stress testing should ever be performed by customers against any Frayte systems.

To access testing and production sites the user must have an Access Key. You can request an Access Key after establishing a Frayte profile and associating your shipping account.

## System Availability

The Customer Integration Environment is available 24 x 7 hours, **7 days a week**.

**Note:** The system is occasionally down for server maintenance.

## JSON Testing and Production URLs

❖ All API URLs are case sensitive.

Testing:	<a href="http://localhost:58472/Api/Tracking/GetTrackInfo">http://localhost:58472/Api/Tracking/GetTrackInfo</a>
Production:	<a href="http://localhost:58472/Api/Tracking/GetTrackInfo">http://localhost:58472/Api/Tracking/GetTrackInfo</a>

## JSON Examples Request Track

```
{
  "Security": {
    "APIKey":
    "5RAcR7dDz61zvVpkKXHUMNDEao8bd1AA9J1pgyPqeKCVbpaGKPGhRZF8oDiSsixW",
    "AccountNumber": "671329967"
  },
  "TrackRequest": {
    "TrackingNumber": "1ZW918650444881975  ",
    "FrayteAWBNumber": "",
    "CourierName": "UPS"
  }
}
```

```
{
  "Status": true,
  "Message": "Successfully received Tracking Information ",
  "Result": {  "Courier": "UPS",
  "CourierService": "UPS WORLDWIDE SAVER",
  "TrackingNumber": "1ZW918650444881975",
  "Status": "Delivered",
  "SignedBy": "YAMAMOTO",
  "CreatedOn": "11/16/2017 03:20:00",
  "UpdatedOn": "11/24/2017 11:31:00",
  "EstimatedDeliveryOn": "11/24/2017 11:31:00",
  "EstimatedWeight": 10.5,
  "NoOfPieces": 1,
  "ActivityDedtail": [
    {
      "Activity": "Order Processed: Ready for UPS",
      "ActivityOn": "11/16/2017 03:20:00",
      "Location": "HK",
      "EventType": null,
      "Pieces": [
        "1ZW918650444881975"
      ]
    }
  ]
}
```

Tracking information payload:-

Name/Type	Description / example	Constraints
Security		
APIKey string	The Frayte API Key used for authentication "APIKey": "GDA5QSDniZFhPyxC5Lpbb49kEztBTWkzNva8FwQbriw="	required, max length: max
AccountNumber String	The Frayte Customer Account Number used for authentication "AccountNumber": "365594970"	required, max length: (9)
TrackRequest		
TrackingNumber string	Valid Shipment Tracking Number "TrackingNumber": "1ZW918650444881975",	required, max length: (30)
FrayteAWBNumber string	Valid Shipment Frayte AWBNumber "FrayteAWBNumber": "12345678",	NOT required, max length: (8)
CourierName string	Courier Name "CourierName": UPS,DHL,TNT,Yodel,hermes"	required, max length: (10)

#### Tracking: JSON Error

##### JSON Syntax Error

Indicates a problem with the JSON syntax.

- ❖ Verify your request syntax is correct.

##### Network Error

Transient error indicating the network is hindering request submission.

- ❖ Retry the request again later.

### Unknown Operation

The Frayte system does not understand the operation and is unable to forward the request to the correct API.

- ❖ Verify the request headers are correct.
- ❖ Check request structure

Error Code	Error Key	Description
601	NOT_ACCEPTABLE	
602	NOT_EXCEED	
603	FORBIDDEN	
604	BAD_REQUEST	
605	MODE.CONFLICT	
606	REQUIRED	
607	BATCH.FILE_FORMAT.INVALID	
608	BATCH.PARAMS.INVALID	
609	DOCUMENT.CONVERSION.FAILURE	
610	IMAGE.CONVERSION.FAILURE	
611	IMAGE.WIDTH.INVALID	
612	UNAVAILABLE	
613	FAILED/FAILURE	
614	NO_MATCHING	
615	INCONSISTENT	
616	INVALID	
616	ALREADY_EXISTS	
617	NO_RESPONSE	
618	RANGE_INVALID	
619	ALREADY_GENERATED	
620	CODE_MISMATCH	

## Label Recovery Package JSON Developer Guide

In this document, you will find guidance and instructions for integrating the Label Recovery **Package JSON** API into your application, service, or system.

### *Customer Integration Environment (CIE)*

The Customer Integration Environment allows customers to test their application prior to launch. This environment is intended for integration testing of customer applications with the Frayte servers.

Once your application has been thoroughly tested, you should redirect the application to the Frayte Production Environment

- ❖ No stress testing should ever be performed by customers against any Frayte systems.

To access testing and production **sites** API the user must have an Access Key. You can request an Access Key after establishing a Frayte profile and associating your **shipping** Frayte account.

### *System Availability*

The Customer Integration Environment is available 24 X 7 days, **7 days a week**.

**Note:** The system is occasionally down for server maintenance.

### *JSON Testing and Production URLs*

**Testing:** <http://localhost:58472/Api/Lable/GetLableInfo>

### *Request Label Recovery Example*

```
{
  "Security": {
    "APIKey": "5RAcR7dDz61zvVpkKXHUMNDEao8bd1AA9J1pgyPqeKCVbpaGKPGhRZF8oDiSsixW",
    "AccountNumber": "671329967"
  },
  "LableRequest": {
    "TrackingNumber": "",
    "FrayteAWBNumber": "76544908",
    "CourierName": "UPS",
    "LableType": "PDF" //JPG
  }
}
```

**Note:** Label type should be in one format either PDF or JPG

### Response Label Recovery Example

```
{
  "Satus": "True",
  "Discription": "Lable Information Recevied Successfully.",
  "TrackingNo": "1ZW918650496773548",
  "LableDetail": [
    {
      "TrackingNo": "1ZW918650496773548",
      "LableType": "PDF",
      "ImageBase64":
        "JVBERi0xLjQNCiWio4+TDQozIDAqb2JqDQo8PC9UeXBllC9YT2JqZWN0IC9TdWJ0eXBllC9JbWF
        nZSAvV2lkdGggODAwIC9IZWlnaHQgMTQwMCAvQ29sb3JTcGFjZSAvRGV2a"
    }
  ]
}
```

### Request Label information payload:-

Name/Type	Description / example	Constraints
Security		
APIKey string	The Frayte API Key used for authentication "APIKey": "GDA5QSDniZFhPyxC5Lpbb49kEztBTWkzNva8FwQbriw="	required, max length: max
AccountNumber String	The Frayte Customer Account Number used for authentication "AccountNumber": "365594970"	required, max length: (9)
LableRequest		

TrackingNumber string	Valid Shipment Tracking Number <b>"TrackingNumber": "1ZW918650444881975",</b>	required, max length: (30)
FrayteAWBNumber string	Valid Shipment Frayte AWBNumber <b>FrayteAWBNumber": "12345678",</b>	NOT required, max length: (8)
CourierName string	Courier Name <b>"CourierName": UPS,DHL,TNT,Yodel,hermes"</b>	required, max length: (10)
LableType String	Courier Label Type <b>"LableType": "PDF,PNG"</b>	required, max length: (3)

### JSON Error

#### JSON Syntax Error

Indicates a problem with the JSON syntax.

- ❖ Verify your request syntax is correct.

#### Network Error

Transient error indicating the network is hindering request submission.

- ❖ Retry the request again later.

#### Unknown Operation

The Frayte system does not understand the operation and is unable to forward the request to the correct API.

- ❖ Verify the request headers are correct.
- ❖ Check request structure

Error Code	Error Key	Description
601	NOT_ACCEPTABLE	
602	NOT_EXCEED	
603	FORBIDDEN	
604	BAD_REQUEST	
605	MODE.CONFLICT	
606	REQUIRED	
607	BATCH.FILE_FORMAT.INVALID	
608	BATCH.PARAMS.INVALID	
609	DOCUMENT.CONVERSION.FAILURE	
610	IMAGE.CONVERSION.FAILURE	



611	IMAGE.WIDTH.INVALID	
612	UNAVAILABLE	
613	FAILED/FAILURE	
614	NO_MATCHING	
615	INCONSISTENT	
616	INVALID	
616	ALREADY_EXISTS	
617	NO_RESPONSE	
618	RANGE_INVALID	
619	ALREADY_GENERATED	
620	CODE_MISMATCH	