



Pickup API

User Manual



Pickup API Manual

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Notices

This section contains important legal and regulatory information that governs the use of TForce Freight APIs. By accessing or using the API, you agree to comply with the terms outlined in this section. Please take a moment to review the following notices before proceeding.

Copyright Information

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Trademarks

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Terms of Use

Your use of this TForce Freight API is subject to the TForce Freight Terms of Use, which can be accessed on our official website. By using the API, you acknowledge that you have read, understood, and agreed to abide by the Terms of Use.

API Usage Policies

Please note that the use of this TForce Freight API is subject to specific usage policies, which may include rate limits, acceptable use guidelines, and data usage restrictions. These policies are designed to ensure fair and responsible use of the API and to maintain the quality of service for all users. Be sure to review and adhere to these policies to avoid any disruptions to your API access.

Legal Disclaimers

The information and materials provided in this documentation are for informational purposes only and are provided "as is" without any warranties, expressed or implied. TForce Freight makes no representations or warranties regarding the accuracy, completeness, or suitability of the information contained herein. TForce Freight disclaims any liability for any errors or omissions in the documentation.

Privacy Policies

Your privacy is important to us. TForce Freight's privacy practices are outlined in our Privacy Policy, which can be accessed [here](#) on our official website. The Privacy Policy describes how we collect, use, disclose, and safeguard your personal information in connection with the use of our services, including this API.

Attribution Requirements

If you are a third-party developer using this API to provide services to your clients, you may need to adhere to certain attribution requirements as specified by TForce Freight.

Contact Information

For inquiries related to this API, its usage, or any other matter, please contact our support team at groundfreightapisupport@forcefreight.com.

Pickup API Rules

The TForce Freight Pickup API facilitates clients in scheduling pickups for their ground freight shipments. The following sections discuss the rules governing access and use of this API.

Business Processes and Rules

- TForce Freight APIs require you to follow the request structures defined in this manual. The API enforces strict adherence to these definitions.
- Use of undefined elements will result in unsuccessful request operations.
- API access is restricted to customers (and their authorized agents) shipping packages manifested, tendered, and delivered by TForce Freight. Access is further restricted to the performance of legitimate shipping activities and operations.
- Abusing or data mining TForce Freight APIs will result in revocation of API access.
- Documentation access requires a registered TForce Freight profile.
- In both production and CIE environments, developers need to be enrolled with TForce Freight and receive OAuth Credentials. For more details, see our website to help you [get started](#).

Pickup Ground Freight Rules

- The API is available to brokers or resellers of transportation services possessing a current and active TForce Freight agreement/partnership.
- LTL Freight origins include the US, CA, & MX, with specific rates for non-contiguous US regions obtainable through TForce Freight Customer Service.

Important: By accessing and using this API, users confirm their understanding of these terms and agree to use the API in a manner consistent with its intended purposes. Non-compliance with these rules will result in immediate revocation of API access. TForce Freight reserves the right to monitor API usage to ensure compliance with these terms. Please contact our support team at groundfreightapisupport@forcefreight.com to address any concerns or questions regarding API usage or to seek clarification on these rules.

Introduction

Welcome to the TForce Freight Pickup API Manual. This guide is tailored to assist developers in utilizing the TForce Freight Pickup API for managing pickup requests efficiently. Whether you are building applications to enhance customer experience or streamline internal operations, this manual will provide you with the knowledge to seamlessly integrate with TForce Freight's rating services.

About the TForce Freight Pickup API

The TForce Freight Pickup API encompasses a robust suite of endpoints dedicated to creating, managing, and cancelling pickup requests. With functionalities ranging from submitting pickup requests based on Bills of Lading (BOLs) to specifying detailed pickup instructions and service requirements, our API facilitates a comprehensive management of the pickup process. Integrating this API allows for streamlined logistics operations, offering users the ability to handle pickups directly through your applications with ease and precision.

Who Should Read This Manual

This manual is intended for developers, software engineers, and technical teams who are responsible for integrating the TForce Freight Pickup API into their applications. Whether you are new to APIs or an experienced developer, this guide will provide you with the necessary information to get started and make the most out of TForce Freight's pickup capabilities.

Manual Organization

To help you navigate this manual, we've outlined the following sections that cover different aspects of the TForce Freight Pickup API:

- Notices: Important legal and disclaimer information.
- Introduction: An overview of the manual's purpose and organization.
- Getting Started with the TForce Freight Pickup API: Guidelines on accessing the API, including authentication, base URLs, and versioning.
- Pickup API Endpoints: A detailed exploration of the available pickup endpoints, their specific functions, and guidelines for effective utilization.
- Request and Response Format: Information about the structure of API requests and responses, including headers, URL formats, and data formats.
- Integration and Testing Guidelines: Recommendations for testing your integration, including a testing environment, sample data, and rate limiting considerations.
- Appendix: Additional resources, including error codes, enumerations, and additional reference materials.

Prerequisites

Before you proceed, it's recommended that you have a basic understanding of HTTP, API concepts, and a programming language you intend to use for API integration. Additionally, you should have an active TForce Freight developer account and the necessary credential approval to access the API endpoints.

Please reach out to the [TForce Freight API support team](#) if you have any questions or need assistance during the integration process.

Getting Started with Pickup API

TForce Freight APIs allow for seamless third-party integrations, enabling TForce Freight customers to enroll their accounts with your application and access/update their account information.

Key Steps to Begin

The following is a high level overview of the client registration and authorization process:

1. **User Onboarding:** Users can sign up for a new TForce Freight account or log into an existing one. Once enrolled, they'll grant consent for your application to access their TForce Freight account data. This process is managed by the TForce Freight Customer Identity and Access Management (CIAM) platform.
2. **Configuring Your Application:** Visit your developer portal profile to configure your application settings:
 - Set up your application's display information (e.g., logo, display name, home page URL).
 - Provide a webhook URL for receiving events from the TForce Freight API.
 - Manage your OAuth client secrets for secure exchanges.
3. **Handling Webhook Events:** Upon user consent, an event (UserOnboardedEvent) will be dispatched to your configured webhook. This event contains essential information about the onboarded user, which you can use to make further requests to the TForce Freight Tracking API.
4. **Token Management:** Use the provided JSON Web Token (JWT) from the UserOnboardedEvent to retrieve access and refresh tokens from the TForce Freight CIAM platform. These tokens are essential for accessing user data through the API.
5. **Accessing the API:** With a valid token, you can then access the TForce Freight API to retrieve or update the onboarded user's data.
6. **Recovering Access Rights:** If tokens expire, users will need to reaffirm their consent. To streamline this process, consider implementing a mechanism to refresh tokens before they expire.

Helpful Resources

For more detailed and technical guides on integrating with the TForce Freight API, visit the [TForce Freight Developer Portal](#) and see our resource pages.

Additional references:

- [Microsoft identity platform and OAuth 2.0 On-Behalf-Of flow](#)
- [Overview of the Microsoft Authentication Library \(MSAL\)](#)
- [CloudEvents](#)

Pickup API Endpoints

The TForce Freight Pickup API offers endpoints for managing pickup requests, including creation from BOL, standard pickup requests, and cancellations. This section provides an overview of the main endpoints available for use.

OpenAPI Metadata

GET /openapi

Description:
This endpoint provides the OpenAPI metadata for the TForce Freight Pickup API, detailing the available endpoints, request and response formats, and other crucial API information.

[Request Details](#)

Create Pickup From BOL

POST /bol

Description:
This endpoint allows for creating a pickup request based on an existing Bill of Lading (BOL). It requires details such as the BOL ID, pickup date, and time, along with requester information.

[Request Details](#)

Create Pickup Request

POST `/request`

Description:
This endpoint facilitates creating a new pickup request with detailed information about the pickup location, date, time, the commodities being picked up, and any special instructions.

[Request Details](#)

Cancel Pickup Request

DELETE `/request/{confirmationNumber}`

Description:
This endpoint is used to cancel an existing pickup request. It requires the confirmation number of the pickup request to be cancelled.

[Request Details](#)

Making a Request

This section focuses on the specifics of making a request to the TForce Freight Pickup API, including required headers, parameters, and the format of the request body.

Base URL

The following URL allows you to access the TForce Freight Pickup API Endpoints:

Production

`https://api.tforcefreight.com/pickup`

Headers

Below is a table of the headers supported and required by the API:

Header Name	Description	Req?	Example Value
Authorization	Used for passing the OAuth2.0 access token.	REQ (for authenticated endpoints)	Bearer [Access-Token]
Cache-Control	Directive for caching mechanism.	OPT	no-cache
Accept	Acceptable content type for responses.	OPT	application/json
Content-Type	The media type of the body of the request (used with POST, PUT and PATCH).	REQ (for requests with a body)	application/json

Query Parameters

Below is a table of the query parameters supported by the API:

Parameter Name	Description	Req?	Example Value
api-version	<p>Specifies the version of the API to use.</p> <ul style="list-style-type: none"> 'v*' (e.g., v1) for live production 'cie-v*' (e.g., cie-v1) for customer integration environment matching the production version 'cie-vNext' for testing upcoming versions <p>Please visit the APIs page for available versions.</p>	REQ	v1, cie-v1, cie-vNext

Note: It is critical to understand the way versioning is handled through query parameters. Review [the section on testing environments](#) for an example of the version query parameter in use.

Details for `/request` Endpoint

This endpoint facilitates the creation of new pickup requests, providing a way to specify detailed information about the pickup, including location, date, time, commodities for pickup, and any special instructions or service options required.

Request Body Properties

The request body must encompass detailed information such as the pickup date and time, requester information, origin and destination details, services required, line items being picked up, and any special instructions for pickup, handling, and delivery.

Property Name	Type	Req?	Description	Example Value
pickup	Object	REQ	Container for pickup properties.	{ }
pickup.date	String	REQ	The date of the pickup. Format: YYYY-MM-DD	'2024-01-29'
pickup.time	String	REQ	Time the shipment is ready to be picked up. 24 hour format: HH:MM:SS	'10:00:00'
pickup.openTime	String	REQ	Open Time for pickup window. 24 hour format: HH:MM:SS	'08:00:00'
pickup.closeTime	String	REQ	The latest time a shipment can be picked up. 24 hour format: HH:MM:SS	'16:00:00'
requestOptions.customerContext	String	OPT	The Customer Context Information.	'Order123'
requester.companyName	String	REQ	Requester's company name.	'Bears R Us'
requester.contactName	String	REQ	Requester's name.	'Mister Bear'
requester.email	String	REQ	Requester's email address.	'bear@bearsrus.com'
requester.phone	Object	REQ	Container for phone information properties.	{ }
requester.phone.number	String	REQ	Requester's phone number.	'800-555-1212'
requester.phone.extension	String	OPT	Requester's phone extension.	'4321'
requester.thirdParty	Boolean	OPT	Indicates whether the requester is a third party.	true
origin	Object	REQ	Container for shipper's information.	{ }
origin.companyName	String	REQ	Shipper's name or company name.	'Lions R Us'
origin.email	String	OPT	Shipper's email address.	'lion@lions.com'

Property Name	Type	Req?	Description	Example Value
origin.contactName	String	REQ	Contact name at the shipper's location.	'Mister Lion'
origin.phone	Object	REQ	Shipper's phone contact information container.	{ }
origin.phone.number	String	REQ	Contact's phone number.	'800-444-2323'
origin.phone.extension	String	OPT	Contact's phone extension.	'4321'
origin.address	Object	REQ	Shipper's location information container.	{ }
origin.address.address1	String	REQ	Shipper's street address line1.	'123 Easy Street'
origin.address.address2	String	OPT	Shipper's street address line2.	'Suite 101'
origin.address.address3	String	OPT	Shipper's street address line3.	'Floor 1'
origin.address.city	String	REQ	Shipper's city.	'Nagios'
origin.address.stateProvinceCode	String	REQ	Shipper's state or province code.	'VA'
origin.address.postalCode	String	REQ	Shipper's postal code.	'23224'
origin.address.country	String	REQ	Shipper's country or territory code. See appendix .	'US'
destination	Object	CON	Destination information container. Required if pomIndicator is 'false'.	{ }
destination.postalCode	String	REQ	Postal code of the destination.	'23224'
destination.country	String	REQ	Country code of the destination. See appendix .	'US'
pomDestination	Object	CON	Destination information container. Required if pomIndicator is 'true'.	{ }
pomDestination.companyName	String	REQ	Consignee's company name.	'Lions R Us'
pomDestination.email	String	OPT	Ship to email address.	'lion@lions.com'
pomDestination.contactName	String	REQ	Contact name at the consignee's location.	'Mister Lion'
pomDestination.phone	Object	REQ	Consignee's phone information container.	{ }
pomDestination.phone.number	String	REQ	The consignee contact's phone number.	'800-444-2323'
pomDestination.phone.extension	String	OPT	The consignee contact's phone extension.	'4321'

Property Name	Type	Req?	Description	Example Value
pomDestination.address	Object	REQ	Consignee's location information container.	{ }
pomDestination.address.address1	String	REQ	Consignee's street address line1.	'123 Easy Street'
pomDestination.address.city	String	REQ	Consignee's city.	'richmond'
pomDestination.address.stateProvinceCode	String	REQ	Consignee's state or province code.	'VA'
pomDestination.address.postalCode	String	REQ	Consignee's postal code.	'23224'
pomDestination.address.country	String	REQ	Consignee's country or territory code. See appendix .	'US'
services[]	Array of Strings	OPT	Service options for the shipment. See appendix .	['INPU', 'LIFO']
lineItems[]	Array of Objects	REQ	Line item information containers.	[{ }]
lineItems[].description	String	REQ	Description of the line item.	'Bed Rocks'
lineItems[].weight	Number	REQ	Weight of the line item.	500
lineItems[].weightUnit	String	REQ	Unit of measure for the weight.	'LBS'
lineItems[].pieces	Integer	REQ	Number of pieces.	10
lineItems[].packagingType	String	REQ	TForce Freight packaging type associated with the shipment. See appendix .	'BAG'
lineItems[].hazardous	Boolean	OPT	Indicates if the commodity is hazardous.	true
instructions	Object	OPT	Shipment instructions container.	{ }
instructions.pickup	String	OPT	Pickup Instructions.	'East Dock'
instructions.handling	String	OPT	Handling Instructions.	'Handle with care'
instructions.delivery	String	OPT	Delivery Instructions.	'West Dock'
pomIndicator	Boolean	REQ	An identifier for including Pickup Notifications.	true

Property Name	Type	Req?	Description	Example Value
pom	Object	CON	Required if pomIndicator is `true`.	{}
pom.number	String	OPT	Identifies the kind of number used for Pickup Notifications.	'BL123456'
pom.numberType	String	OPT	Identifies the type used for Pickup Notifications. See appendix .	'SID number'
pom.pickupNotification	Object	OPT	Pickup notification information container.	{}
pom.pickupNotification.companyName	String	OPT	Name of the company for pickup notification.	Notify Company
pom.pickupNotification.contactName	String	OPT	Name of the contact for pickup notification.	Jane Doe
pom.pickupNotification.failedEmail	String	REQ	Alternate email for failed pickup notification.	'failed@bears.com'
pom.pickupNotification.message	String	REQ	The pickup notification message.	'Send me my honey'
pom.pickupNotification.emailNotification[]	Array of objects	REQ	Notification information containers.	[{}]
pom.pickupNotification.emailNotification[].email	String	REQ	Email address for pre-pickup notification.	'tony@tigers.com'
pom.pickupNotification.emailNotification[].eventType	Array of Strings	REQ	Type of event for Pickup Notifications. See appendix .	['EN', 'RR']

Details for `/request/{confirmationNumber}` Endpoint

This endpoint is used for cancelling an existing pickup request. It streamlines the cancellation process by requiring only the confirmation number of the pickup request to be cancelled.

Request Body Properties

There is no request body for this DELETE operation.

Path Parameters

The cancellation requires the confirmation number as a URL path parameter to identify the specific pickup request to be cancelled.

Property Name	Data Type	Location	Description	Pattern
confirmationNumber	string	path	The confirmation number of the pickup request to be cancelled.	N/A

Details for `/bol` Endpoint

This endpoint allows for the creation of a pickup request using an existing Bill of Lading (BOL). It is particularly useful for automating the pickup process of shipments already defined through BOLs, requiring specific details such as BOL ID, PRO number, pickup date, and requester information.

Request Body Properties

The request body must include details of the existing shipment specified by the BOL ID and PRO number, the desired pickup date and time, requester's company and contact information, and any Point of Management (POM) or special instructions.

Property Name	Type	Req?	Description	Example Value
pickup	Object	REQ	Container for pickup properties.	{}
pickup.existingShipment	Object	REQ	Container for existing shipment identifiers.	{}
pickup.existingShipment.bolId	String	OPT	Bill of Lading Identification number.	'8418251'
pickup.existingShipment.pro	String	OPT	9 digit PRO Number	'362106161'
pickup.date	String	REQ	The date of the pickup. Format: YYYY-MM-DD	'2024-01-29'
pickup.time	String	REQ	Time the shipment is ready to be picked up. 24 hour format: HH:MM:SS	'10:00:00'
pickup.openTime	String	REQ	Open Time for pickup window. 24 hour format: HH:MM:SS	'08:00:00'
pickup.closeTime	String	REQ	The latest time a shipment can be picked up. 24 hour format: HH:MM:SS	'16:00:00'
requestOptions.customerContext	String	OPT	The Customer Context Information.	'Order123'
requester.companyName	String	REQ	Requester's company name.	'Bears R Us'
requester.contactName	String	REQ	Requester's name.	'Mister Bear'
requester.email	String	REQ	Requester's email address.	'bear@bearsrus.com'
requester.phone	Object	REQ	Container for phone information properties.	{}
requester.phone.number	String	REQ	Requester's phone number.	'800-555-1212'
requester.phone.extension	String	OPT	Requester's phone extension.	'4321'

Property Name	Type	Req?	Description	Example Value
pomIndicator	Boolean	REQ	An identifier for including Pickup Notifications.	true
pom	Object	CON	Required if pomIndicator is `true`.	{ }
pom.number	String	OPT	Identifies the kind of number used for Pickup Notifications.	'BL123456'
pom.numberType	String	OPT	Identifies the type used for Pickup Notifications. See appendix .	'SID number'
pom.pickupNotification	Object	OPT	Pickup notification information container.	{ }
pom.pickupNotification.companyName	String	OPT	Name of the company for pickup notification.	Notify Company
pom.pickupNotification.contactName	String	OPT	Name of the contact for pickup notification.	Notify Name
pom.pickupNotification.failedEmail	String	REQ	Alternate email address to receive notifications regarding a failed email.	'failed@bears.com'
pom.pickupNotification.message	String	REQ	The pickup notification message.	'Pickup using POM Notify'

Property Name	Type	Req?	Description	Example Value
pom.pickupNotification.emailNotification[].email	String	REQ	Email address for pre-pickup notification.	'tony@tigers.com'
pom.pickupNotification.emailNotification[].eventType	Array of Strings	REQ	Type of event for Pickup Notifications. See appendix .	['EN', 'RR']

Details for `/openapi` Endpoint

This endpoint provides the OpenAPI metadata for the TForce Freight Pickup API, offering comprehensive details on available endpoints, request/response formats, and other essential API information to facilitate integration.

There is no request body for this GET operation. It is a simple request that returns the OpenAPI metadata.

API Throttling

TForce Freight APIs implement throttling mechanisms to ensure equitable distribution of resources among all users and to safeguard the system's stability and reliability. This section clarifies the different throttling policies in place.

Note: Customer Integration Environment (CIE) endpoints and Production endpoints maintain separate throttling counters. Reaching a limit in one environment won't impact your request allowance in the other.

Rate Limiting

Our system implements rate limiting when a large volume of requests is received in a short time frame. This limiting helps balance server load and maintain consistent performance even during traffic spikes.

- Renewal Time: 60 seconds.

High request volumes may result in a 429 error response. This indicates that there's a temporary hold on requests to ensure optimal experience for all users. The rate limit resets after 60 seconds.

Quota Limiting

Different from rate limiting, quota limiting controls the number of requests an individual user can send over an extended period. Quota limiting ensures no single user overwhelms the system. Each user has a generous request allowance for this time frame.

- Renewal Time: 300 seconds.

Crossing the quota limit threshold will trigger a 403 error response for the user who exceeded the limit. This error is exclusive to the user who has exceeded their quota, and normal access is restored after 300 seconds.

Summary of Throttle Limits

The following table summarizes the different throttling limits.

Throttle Type	Error Code	Renewal Time	User Affected
Rate Limit	429	60 seconds	All users
Quota Limit	403	300 seconds	Requesting user only

Recommendations

The following recommendations will help you manage your API requests to minimize throttling.

- Continuously monitor your API usage.
- If you receive a 429 or 403 response, consider implementing a method like exponential back-off for your requests. Wait for the specified renewal time before sending another batch of requests.
- Review the HTTP header of our responses. It can offer insights about your current usage relative to potential limits.

Pickup API Response Structure and Codes

The following section details the various codes and responses you may receive from the Pickup API.

Pickup Response Body Properties

These tables summarize and describe the different response body properties you may encounter.

Understanding These Tables

These tables represent nested JSON structures using dots to denote parent structures.

<p>For example, consider the following field from our table: <code>summary.responseStatus.code</code></p> <p>This corresponds to the nested structure in the JSON response:</p> <pre>{ "summary": { "responseStatus": { "code": "OK" } } }</pre>	<p>In the response, the <code>code</code> is nested within <code>responseStatus</code> which itself is nested within <code>summary</code>. Hence, the dot notation <code>summary.responseStatus.code</code></p>
---	---

Pickup Response Properties

The response properties are the same for both `bo1` and `request` endpoints

Property	Type	Description
<code>responseStatus</code>	object	Container for the response status.
<code>responseStatus.code</code>	string	Identifies the success or failure of the transaction. '1' indicates successful.
<code>responseStatus.description</code>	string	Describes Response Status Code. Returns text 'Success'.
<code>responseStatus.customerContext</code>	string	The CustomerContext Information which will be echoed during response.
<code>transactionReference</code>	object	Container for the transaction reference details.
<code>transactionReference.transactionId</code>	string	The Unique TransactionIdentifier Information for that transaction. This will be present only if requested in the request.

Property	Type	Description
transactionReference.confirmationNumber	string	Shipment pickup number.
transactionReference.emailSent	string	Identifies the email sent or unsent by 'true' or 'false'.
transactionReference.originIsRural	string	Identifies if the origin is rural or not by 'true' or 'false'.
transactionReference.destinationIsRural	string	Identifies if the destination is rural or not by 'true' or 'false'.

Cancel Pickup Response Properties

These response properties pertain to the cancel pickup operation for the `request` endpoint.

Property	Type	Description
responseStatus	object	Container for the response status.
responseStatus.code	string	Identifies the success or failure of the transaction. '1' indicates successful.
responseStatus.description	string	Describes Response Status Code. Returns text 'Success'.
responseStatus.customerContext	string	The CustomerContext Information which will be echoed during response.
transactionReference	object	Container for the transaction reference details.
transactionReference.transactionId	string	The Unique TransactionIdentifier Information for that transaction. This will be present only if requested in the request.

Formatting and Common Element Constraints

Understanding the constraints on data elements is crucial when integrating with the TForce Freight Pickup API. This section outlines common element constraints specific to this API.

Data Types

The Pickup API utilizes various data types, including:

- **String:** Used for textual data such as names, email addresses, codes, and other descriptive information.
- **Integer:** Represents numeric values without decimals, used for properties like pieces and weight.
- **Boolean:** Indicates true/false values, used for flags such as 'pomIndicator'.
- **Array:** A collection of elements, often used for lists like 'service options' and 'email notifications'.
- **Object:** Represents complex data structures, like 'shipFrom', 'shipTo', and 'commodities'.

Value Constraints

Certain elements have specific constraints. For example:

- **Service Options:** Must be one of the predefined enumeration values (e.g., 'INPU', 'LIFO').

Review the appendix and property tables for additional enumerations.

Length and Format Constraints

Some string values have specific formats or patterns they must adhere to.

- **Date Format:** Dates must be in the 'YYYY-MM-DD' format. Example: "2023-08-28"
- **Time:** Must be formatted correctly, e.g., 'HHMM' (24-hour clock).
- **Email Addresses:** Must match a valid email pattern.
- **Phone Numbers:** Must be provided within defined length limits.
- **Company Name, Contact Name, Address:** Have maximum length requirements and, in some cases, minimum lengths.
- **Postal Codes:** Must conform to the length appropriate for the country or territory.
- **Weight Units:** Must use an accepted unit of measure (e.g., 'LBS' for pounds).

Specific Restraints

For a deeper understanding of constraints, refer to the specific request or response body properties.

Note: Adhering to these constraints is essential for successful API requests. Ensure that your requests conform to these guidelines for effective integration with the TForce Freight Pickup API.

Application Integration and Testing

TForce Freight's integration environment is available 24/7 for your application testing.

Note: All API URLs are case-sensitive.

Integration Testing

For integration testing, please point your Pickup RESTful API requests to:

CIE

`/pickup/[endpoint]?api-version=cie-v1`

Production Environment

Upon the conclusion of testing, redirect your Pickup RESTful API to the following production URL:

Production

`/pickup/[endpoint]?api-version=v1`

Request (cont.):

```
        "number": "800-555-1212",
        "extension": "4321"
    },
    "thirdParty": true
},
"origin": {
    "companyName": "Lions R Us",
    "email": "lion@lions.com",
    "contactName": "Mister Lion",
    "phone": {
        "number": "800-444-2323",
        "extension": "4321"
    },
    "address": {
        "address1": "123 Easy Street",
        "address2": "Suite 101",
        "address3": "Floor 1",
        "city": "Nagios",
        "stateProvinceCode": "VA",
        "postalCode": "23224",
        "country": "US"
    }
},
"pomDestination": {
    "companyName": "Lions R Us",
    "email": "lion@lions.com",
    "contactName": "Mister Lion",
    "phone": {
        "number": "800-444-2323",
        "extension": "4321"
    },
    "address": {
        "address1": "123 Easy Street",
        "address2": "Suite 101",
        "address3": "Floor 1",
        "city": "richmond",
        "stateProvinceCode": "VA",
        "postalCode": "23224",
```

Request (cont.):

```
    "country": "US"
  }
},
"services": ["INPU", "LIFO", "PFFF", "RESP", "EXLT", "TRPU"],
"lineItems": [{
  "description": "Bed Rocks",
  "weight": 500,
  "weightUnit": "LBS",
  "pieces": 10,
  "packagingType": "BAG",
  "hazardous": true
}, {
  "description": "Rock Beds",
  "weight": 100,
  "weightUnit": "LBS",
  "pieces": 8,
  "packagingType": "BOX",
  "hazardous": false
}],
"instructions": {
  "pickup": "East Dock",
  "handling": "Handle with care",
  "delivery": "West Dock"
},
"pomIndicator": true,
"pom": {
  "number": "BL123456",
  "numberType": "SID number",
  "pickupNotification": {
    "companyName": "Tigers R Good",
    "contactName": "Tony the Tiger",
    "failedEmail": "bear@bearsrus.com",
    "message": "Send me my honey",
    "emailNotification": [{
      "email": "tony@tigers.com",
      "eventType": ["EN", "RR"]
    }, {
```

Request (cont.):

```
        "email": "pony@ponies.com",
        "eventType": ["EN"]
    }
}
```

And the response:

HTTP/1.1 201 Created

cache-control: private, max-age=0,no-cache,no-store,must-revalidate,max-age=0,no-cache="set-cookie",no-cache,no-store,must-revalidate,max-age=0,no-cache="set-cookie"

content-length: 544

content-type: application/json

pragma: no-cache,no-cache

```
{
  "responseStatus": {
    "code": "1",
    "description": "Success"
  },
  "transactionReference": {
    "transactionId": "8c43e319-cf74-4551-997f-bb6c3823db05",
    "confirmationNumber": "WBU5349637",
    "emailSent": "false",
    "originIsRural": "false",
    "destinationIsRural": "false"
  }
}
```


Request (cont.):

```
    "contactName": "Requester Name",
    "email": "requester@bears.com",
    "phone": {
      "number": "800-555-1515",
      "extension": "1234"
    }
  },
  "pomIndicator": true,
  "pom": {
    "number": "12345",
    "numberType": "Load number",
    "pickupNotification": {
      "companyName": "Notify Company",
      "contactName": "Notify Name",
      "failedEmail": "failed@bears.com",
      "message": "Pickup using POM Nofitfy",
      "emailNotification": [{
        "email": "notify1@bears.com",
        "eventType": ["EN", "RR"]
      }, {
        "email": "notify2@bears.com",
        "eventType": ["EN"]
      }]
    }
  }
}
```

/bo1 has the same response structure as /request. See above for example.

Response (cont.):

```
content-length: 544
content-type: application/json
pragma: no-cache,no-cache

{
  "responseStatus": {
    "code": "1",
    "description": "Success"
  },
  "transactionReference": {
    "transactionId": "6f14e03a918a469da67e2927103361a2",
    "confirmationNumber": "WBU1234567"
  }
}
```


Appendix

HTTP Response Codes

These are some of the HTTP status codes that the API may return in response to your requests:

Status Code	Description	Additional Info
200	OK	The request was successful and returned the expected data.
400	Bad Request	The server could not understand the request due to invalid syntax. Check your request body or parameters.
401	Unauthorized	The user is not authenticated. Ensure that your API key or authentication token is valid.
403	Forbidden	When the user's request quota is exceeded. The response will include a Retry-After header indicating the recommended retry interval in seconds. This typically affects the requesting user only.
404	Not Found	The server could not find the requested endpoint or resource. Ensure your URL is correct.
429	Too Many Requests	The call rate for the API has been exceeded. The response will include a Retry-After header indicating the recommended retry interval in seconds. This affects all users.

Service Option Codes

Code	Description
EXLT	Extreme Length: Indicates that the shipment contains an item of extreme length. Dimensional length of the article(s), in 'feet'. Numeric value greater than '0' should be given in value.
PFFF	Indicates that the customs clearance is required.
INPU	Inside Pickup: Shipment requires an inside pickup.
LIFO	Lift Gate for Pickup: Shipment requires a lift gate at pickup.
LAPU	Limited Access Pickup: There is limited access for pickups.
RESP	Residential Pickup: Shipment requires a residential pickup.
TRPU	Tradeshow Pickup: Shipment requires a tradeshow pickup.
WHPU	Holiday Pickup: Shipment requires a holiday pickup.
WHPU	Weekend Pickup: Shipment requires a weekend pickup. (Note: This seems to be duplicated; please verify the correct value and description.)

Number Types

Number Type	Description
BOL number	Bill of Lading number used for Pickup Notifications for LTL shipment.
Load number	Load number used for Pickup Notifications for LTL shipment.
Other	Other types of numbers used for Pickup Notifications for LTL shipment.
P&M	Project and Move number used for Pickup Notifications for LTL shipment.
Pickup number	Pickup number specifically used for Pickup Notifications for LTL shipment.
Pickup Reference number	Pickup Reference number used for Pickup Notifications for LTL shipment.
PO number	Purchase Order number used for Pickup Notifications for LTL shipment.
PRO number	PRO number used for tracking and Pickup Notifications for LTL shipment.
Project	Project number used for Pickup Notifications for LTL shipment.
Quote number	Quote number used for Pickup Notifications for LTL shipment.
RA number	Return Authorization number used for Pickup Notifications for LTL shipment.
Release number	Release number used for Pickup Notifications for LTL shipment.
SID number	Shipper's Identification number used for Pickup Notifications for LTL shipment.
Task	Task number used for Pickup Notifications for LTL shipment.
VPRC	Vendor Purchase Return Confirmation number used for Pickup Notifications for LTL shipment.

Email Notification Event Types

Value	Description
EN	Email Notification for general updates
PS	Pickup Scheduled notification
PX	Pickup Cancelled notification
RR	Rate Reminder notification

Packaging Type Codes

Commodity Package Codes

Commodity Package Type Code	Description
BAG	Bag
BAL	Bale
BAR	Barrel
BDL	Bundle
BIN	Bin
BOX	Box
BSK	Basket
BUN	Bunch
CAB	Cabinet
CAN	Can
CAR	Carrier
CAS	Case
CBY	Carboy
CON	Container
CRT	Crate
CSK	Cask
CTN	Carton
CYL	Cylinder
DRM	Drum
LOO	Loose
OTH	Other
PAL	Pail
PCS	Pieces
PKG	Package
PLN	Pipe Line
PLT	Pallet
RCK	Rack
REL	Reel

Commodity Package Type Code	Description
ROL	Roll
SKD	Skid
SPL	Spool
TBE	Tube
TNK	Tank
UNT	Unit
VPK	Van Pack
WRP	Wrapped

Country Codes

Country	Abbreviation
Canada	CA
Mexico	MX
United States of America	US

Canadian Province and Territory Codes

Province/Territory	Abbreviation	Province/Territory	Abbreviation
Alberta	AB	Nunavut	NU
British Columbia	BC	Ontario	ON
Manitoba	MB	Prince Edward Island	PE
New Brunswick	NB	Quebec	QC
Newfoundland and Labrador	NL	Saskatchewan	SK
Northwest Territories	NT	Yukon	YT
Nova Scotia	NS		

US State Codes

State	Abbreviation	State	Abbreviation
Alabama	AL	Montana	MT
Alaska	AK	Nebraska	NE
Arizona	AZ	Nevada	NV
Arkansas	AR	New Hampshire	NH
California	CA	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Florida	FL	North Dakota	ND
Georgia	GA	Ohio	OH
Hawaii	HI	Oklahoma	OK
Idaho	ID	Oregon	OR
Illinois	IL	Pennsylvania	PA
Indiana	IN	Rhode Island	RI
Iowa	IA	South Carolina	SC
Kansas	KS	South Dakota	SD
Kentucky	KY	Tennessee	TN
Louisiana	LA	Texas	TX
Maine	ME	Utah	UT
Maryland	MD	Vermont	VT
Massachusetts	MA	Virginia	VA
Michigan	MI	Washington	WA
Minnesota	MN	West Virginia	WV
Mississippi	MS	Wisconsin	WI
Missouri	MO	Wyoming	WY