

# Quote Request API

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The Quote Request API is used to add quoted trips to busHive. Only busHive cloud clients can call this API.

## Authentication

The Quote Request API uses HTTP basic authentication. Every HTTP request to the API requires a header in the form of `Authorization: Basic <credentials>`, where credentials is the base64 encoding of `<id>:<password>`.

busHive will provide the id, password and base64 encoded credentials you should use. Please protect these credentials and let busHive know if they have been compromised so new credentials can be provided. These credentials should never be downloaded to a browser.

## Quote Request

To create a new trip using the API, **POST** the trip information as JSON to <https://services.bushive-cloud.com/api/v1/trip/quote>. The request must be a POST sent over HTTPS and have a "Content-Type" header with a value of "application/json". Multiple trips can be added by calling the API multiple times.

```
{
  "divisionId": 15,
  "contactName": "John Smith",
  "companyName": "Acme Inc.",
  "contactAddress": "55 Speed Lane",
  "contactAddress2": "Apartment #105",
  "contactCity": "Ballston Lake",
  "contactState": "NY",
  "contactZip": "12019-1212",
  "contactEmail": "jsmith@email.com",
  "contactPhone": "555-666-7777",
  "passengerCount": 24,
  "vehicleType": "School Bus",
  "startLocation": "Shen High School",
  "startDate": "2020-01-15T10:00Z",
  "startAddress": "970 New York 146",
  "startAddress2": "",
  "startCity": "Clifton Park",
  "startState": "NY",
  "startZip": "12065",
  "endLocation": "Local Zoo",
  "endDate": "2020-01-15T14:30Z",
  "endAddress": "3554 NY-30 ",
  "endAddress2": "Vail Mills",
  "endCity": "Ballston Lake",
  "endState": "NY",
  "endZip": "12025",
  "tripType": 0,
  "additionalTripDetails": ""
```

```

"hearAboutUs": "Search Engine",
"labels": {
  "startLocation": "Pickup",
  "endLocation": "Drop Off"
}
}

```

Trips added through the API can be viewed in busHive and function the same way as trips entered manually. All fields from the API request are listed in the **Quote Request** tab of the Trip.

### Trip

Trip: **3800**
Division: My Division
Invoice: < None >
Status: **Quoted**

Client: Acme Inc. 🔄 📄

Contact:  📄

Group:

Budget Code:

Trip Name:

Versyss #:

Class 3:

Class 4:

*Client*

*Contact*

55 Speed Lane  
Apartment #105  
Ballston Lake, NY 12019-1212

Phone: 555-666-7777  
Email: jsmith@email.com

Quote Quote Extra Notes Quote Request

Order	Field Label	Value
1	Division ID	15
2	Contact Name	John Smith
3	Company Name	Acme Inc.
4	Contact Address	55 Speed Lane
5	Contact Address2	Apartment #105
6	Contact City	Ballston Lake
7	Contact State	NY
8	Contact Zip	12019-1212
9	Contact Email	jsmith@email.com
10	Contact Phone	555-666-7777
11	Passenger Count	24
12	Vehicle Type	School Bus
13	Pickup	Shen High School
14	Start Date	15-Jan-2020
15	Start Date (Time)	10:00 AM
16	Start Address	970 New York 146
17	Start Address2	
18	Start City	Clifton Park

View Value

Web Number: None (From API)

## API Request Fields

Property Name	Property Type	Notes
divisionId	Integer	See extra details below.
contactName	String	<b>Required.</b> Mapped to the client name if companyName is not set. Values longer than 100 will have the extra characters truncated.
companyName	String	Mapped to the client name. Values longer than 100 will have the extra characters truncated.
contactAddress	String	Values longer than 100 will have the extra characters truncated.

Property Name	Property Type	Notes
contactAddress2	String	Values longer than 100 will have the extra characters truncated.
contactCity	String	Values longer than 100 will have the extra characters truncated.
contactState	String	Values longer than 100 will have the extra characters truncated.
contactZip	String	Values longer than 100 will have the extra characters truncated.
contactDeliveryPreference	Integer	Valid values are: 0 - Printed, 1 - Email (default when field is not included) All other values will return a 400 Bad Request response.
contactEmail	String	Values longer than 100 will have the extra characters truncated.
contactPhone	String	Values longer than 100 will have the extra characters truncated.
contactCellPhone	String	Values longer than 100 will have the extra characters truncated.
contactFax	String	Values longer than 100 will have the extra characters truncated.
startDate	Date and Time	<b>Required.</b> Contains both the date and time values to start.
startLocation	String	Mapped to the location name. "Web Stop" will be used for the location name when not set. Values longer than 100 will have the extra characters truncated.
startAddress	String	Values longer than 100 will have the extra characters truncated.
startAddress2	String	Values longer than 100 will have the extra characters truncated.
startCity	String	Values longer than 100 will have the extra characters truncated.
startState	String	Values longer than 100 will have the extra characters truncated.
startZip	String	Values longer than 100 will have the extra characters truncated.
endDate	Date and Time	Contains both the date and time values to end.
endLocation	String	Mapped to the location name. "Web Stop" will be used for the location name when not set. Values longer than 100 will have the extra characters truncated.
endAddress	String	Values longer than 100 will have the extra characters truncated.
endAddress2	String	Values longer than 100 will have the extra characters truncated.
endCity	String	Values longer than 100 will have the extra characters truncated.
endState	String	Values longer than 100 will have the extra characters truncated.
endZip	String	Values longer than 100 will have the extra characters truncated.

Property Name	Property Type	Notes
tripType	Integer	Valid values are: 0 – Round Trip (default when field is not included) 1 – One Way 2 – Shuttle All other values will return a 400 Bad Request response.
vehicleType	String	See extra details below. Values longer than 100 will have the extra characters truncated.
passengerCount	Integer	
childCount	Integer	
additionalTripDetails	String	The first 2,500 characters are mapped to "Notes To Self" on the trip. The first 3,000 characters can be seen from the <a href="#">Quote Request</a> tab of the Trip. Values longer than 3,000 will have the extra characters truncated.
hearAboutUs	String	Values longer than 100 will have the extra characters truncated.
text01	String	Values longer than 300 will have the extra characters truncated.
text02	String	Values longer than 300 will have the extra characters truncated.
text03	String	Values longer than 300 will have the extra characters truncated.
text04	String	Values longer than 300 will have the extra characters truncated.
text05	String	Values longer than 300 will have the extra characters truncated.
text06	String	Values longer than 300 will have the extra characters truncated.
text07	String	Values longer than 300 will have the extra characters truncated.
text08	String	Values longer than 300 will have the extra characters truncated.
text09	String	Values longer than 300 will have the extra characters truncated.
text10	String	Values longer than 300 will have the extra characters truncated.
text11	String	Values longer than 300 will have the extra characters truncated.
text12	String	Values longer than 300 will have the extra characters truncated.
text13	String	Values longer than 300 will have the extra characters truncated.
text14	String	Values longer than 300 will have the extra characters truncated.
text15	String	Values longer than 300 will have the extra characters truncated.
text16	String	Values longer than 300 will have the extra characters truncated.
text17	String	Values longer than 300 will have the extra characters truncated.
text18	String	Values longer than 300 will have the extra characters truncated.

Property Name	Property Type	Notes
text19	String	Values longer than 300 will have the extra characters truncated.
text20	String	Values longer than 300 will have the extra characters truncated.
longText01	String	Values longer than 3,000 will have the extra characters truncated.
longText02	String	Values longer than 3,000 will have the extra characters truncated.
longText03	String	Values longer than 3,000 will have the extra characters truncated.
longText04	String	Values longer than 3,000 will have the extra characters truncated.
longText05	String	Values longer than 3,000 will have the extra characters truncated.
labels	Object	See extra details below.

## divisionId Field

The divisionId field is used to set the division of the trip. The **Division** window in busHive displays the **Division ID** that should be used for the divisionId in the API request. The **Division** window also has a **Default Division** checkbox and only one division can have this checkbox checked. busHive will use the **Default Division** when the divisionId field is not included in the API request or is an unknown ID.

Division

Division Name: My Division Phone:

Address1:  Fax:

Address2:  Email:

City:  Website:

State:  Federal ID:

Zip:

Trips | Web Trips | Routes | Dispatch | Personnel | Driver User | Client | Invoice | Tax | Payroll | Maintenance | Reports | Email | Labels | Logo

Trips Imported From Web Request

Default Division

Quote Segment Template

One Way:  Quote Vehicle Type:

Round Trip:  Quote Billing Rate:

Quote Entered User:

Driver Comments to Include in Notes to All Drivers:

Notes

Pick Up Details

Dropoff Details

Trips Imported From Web Quote

Default Division

Quote Segment Template

One Way: One Way Quote Vehicle Type: 72 passenger School Bus

Round Trip: Basic Round trip Quote Billing Rate: 72 Billing Rate

Shuttle: Shuttle Quote Entered User: Demo User

Division ID: 15

Web Quote Settings

Notify Email:

From Email:

Cancel Save

## vehicleType Field

The vehicleType field is used to set the Vehicle Type for Trip. The vehicleType value must exactly match the Name of an existing Vehicle Type in busHive. The default Quote Vehicle Type set on the Division will be used when the vehicleType field is not included in the API request or does not exactly match an existing Vehicle Type.

## text and longText Fields

There are 20 text fields and 5 longText fields to store additional custom request information. The values for these fields will be visible from the Quote Request tab of the Trip.

## Labels Field

The Quote Request tab of the Trip lists the fields passed into the API. busHive users may find it helpful to see these fields with a custom label. Include the custom labels as an object of key/value pairs where the field name is the key and the custom label is the value. Only include custom labels for the values that need to be changed.

For example, using a custom label for these fields can be done with the following JSON.

Field Name	Custom Label
startLocation	Pickup
endLocation	Drop Off
text01	Event Type
longText02	Additional Stop Details

```
"labels": {  
  "startLocation": "Pickup",  
  "endLocation": "Drop Off",  
  "text01": "Event Type",  
  "longText02": "Additional Stop Details"  
}
```

## Date and Time Format

Date and Time values should be formatted like ECMAScript date-times.

Format	Example	Description
YYYY-MM-DD	2019-07-15	Date with no time.
YYYY-MM-DDTHH:mmZ	2019-07-15T00:00Z	Date with hour and minutes
YYYY-MM-DDTHH:mm:ssZ	2019-07-15T00:00:00Z	Date with hour, minutes and seconds.
YYYY-MM-DDTHH:mm:ss.sssZ	2019-07-15T00:00:00.000Z	Date with hour, minutes, seconds and milliseconds.

# HTTP Response Status Codes

The API will return one of these possible status codes.

Status	Code	Meaning
200	OK	The trip has been created successfully. See <a href="#">200 OK</a> below.
400	Bad Request	The request was unacceptable. See <a href="#">400 Bad Request</a> below.
401	Unauthorized	No valid authentication header in the request.
500	Server Errors	Error on busHive's end.

A trip is only created when a 200 status code is returned.

## 200 OK

A successful request will return a 200 status code and the trip number of the trip created.

```
{  
  "id": 18428  
}
```

## 400 Bad Request

A request that does not pass validation will return a 400 status code and a message describing the problem.

```
{  
  "message": "\"Web Quote Billing Rate\" for division \"My Division\" is not set.  
Please choose the quote billing rate for this division."  
}
```