OLD DOMINION FREIGHT LINE, INC.

BILL OF LADING API DEVELOPMENT GUIDE

Helping The World
Keep Promises®

Getting Started

Overview

The Electronic Bill of Lading API is a REST service which allows for the submission of electronic Bills of Lading. The data feeds into the OD billing system and allows the data to be used to generate shipping label or bill of lading documents. Users can receive a PRO number or provide one that they already possess. The API also allows the user to modify the eBOL data after it has been submitted.

You can find more information on all the API services we provide on our Shipping API Integrations page at ODFL.com.

Testing

We provide a QA environment for use while Onboarding to new services or when testing is required.

When you're ready to begin, visit Shipping API Integrations and click **Email an Expert** for assistance.

Authentication

To use this service, you will need an ODFL.com account with a username and password. This grants you access to data for your specific accounts. Visit our website at ODFL.com and click Sign Up to register.

Have questions about your OD account? We're here to help, Monday-Friday, 7 a.m. – 8 p.m. ET:

- Telephone: 1-800-235-5569
- Email: Internet.CustomerService@odfl.com

Request

Obtain a session token by making a GET request to:

Environment	URL
QA	https://apiq.odfl.com/auth/v1.0/token
Production	https://api.odfl.com/auth/v1.0/token

- Authorization Type: Basic Auth
- Username: Provide your ODFL.com Username
- Password: Provide your ODFL.com Password

Response

Code	Message	Notes
200		A session token and expiration are returned. Session tokens expire one hour after issue.
400	invalid credentials	The OD Username or Password you've provided is incorrect or your account is disabled. Contact Customer Service for assistance.
503	Service Unavailable	Verify that the URL and Authorization Type is correct. If the problem persists, please notify us at: Internet.CustomerService@odfl.com.

Request

Authorization

Provide the session token obtained during Authentication as Authorization:

- Type: Bearer Token

Base Path

Perform a POST to:

Environment	URL
QA	https://apiq.odfl.com/BOL/v3.1/eBOL/bol-request*
Production	https://api.odfl.com/BOL/v3.1/eBOL/bol-request*

Parameters

Name	Purpose	Default
generatePro	The value of this parameter determines whether a Pro Number will be generated by the request. False = A Pro Number must be provided in the request. True = A Pro Number will be generated in the response.	false
generateBol	The value of this parameter determines whether a base 64 encoded pdf of the Bill of Lading will be included in the response. Set to true to request the Bill of Lading in the response.	false
generateLabel	The value of this parameter determines whether a base 64 encoded pdf of the shipping label will be included in the response. Set to true to request the label in the response.	false

Name	Purpose	Default
emailBol	The value of this parameter determines whether the Bill of Lading will be sent via email to the following addresses in the response body: • Email • CC • BCC generateBOL must also be true.	false
emailLabel	The value of this parameter determines whether the shipping label will be sent via email to the following addresses in the response body: • Email • CC • BCC generateLabel must also be true.	false
modifyBol	The value of this parameter determines whether the request is intended to create or modify the Bill of Lading. Bills of Lading can be modified until the billing process is complete. • False = Create • True = Modify	false
dpi	The value of this parameter determines the DPI of the shipping label. DPI is required when 4 x 6 labels are requested. Valid values are: • 203 • 300 • 600	false

Fields

Required

Name	Type	Description
addresses	array	An array containing address information. Requests must include the following addresses: • shipper • consignee
addresses.addressType	string	The type of address (see Values).
addresses.addressName	string	The name of the address.
addresses.addressLine1	string	Line one of the address.
addresses.city	string	The address city.
addresses.state	string	The address state.
addresses.zipcode	string	The address zip code.
freightTerms	string	The freight payment terms.
proNumber	number	The Pro Number for the shipment.

Optional

Name	Type	Description
addresses	array	An array containing address information
addresses.addressLine2	string	Line two of the address
addresses.attention	string	The address attention.
addresses.country	string	The address country (see Values).
addresses.phoneNumber	string	The address telephone number (e.g. "9995551212").

Name	Type	Description
advancedWarehousingDeliverByDateTime	ISO-8601	The date (and optional time) the trade show shipment must be delivered to the warehouse to avoid late fees e.g.: "2025-01-15T08:00:00.000Z". Provide one or the other of: • advancedWarehousingDeliverByDateTime • showSiteTargetMoveInDateTime
bcc	string	The email address(es) that will receive a blind copy of the Bill of Lading or shipping label PDF by email. "bcc":["abc@email.com","def@email.com"]
cargoLiability	float	The dollar value of cargo liability required for the shipment.
cc	string	The email address(es) that will receive a copy of the Bill of Lading or shipping label PDF by email. "cc":["abc@email.com","def@email.com"]
cubicFeet	number	The total cubic feet of the shipment.
customer	string	The name of the customer from which the bill of lading information originated, typically the shipper of the freight.
deliveryBeginDate	ISO-8601	The beginning of the requested delivery date (and optional time) window e.g.: "2025-01-15T08:00:00.000Z". For guaranteed service, include the appropriate service codes.
deliveryDateType	string	The requested type of guaranteed delivery (see Values). For guaranteed service, include the appropriate service codes.
deliveryEndDate	ISO-8601	The end of the requested delivery date (and optional time) window e.g.: "2025-01-15T08:00:00.000Z".

Name	Type	Description
		For guaranteed service, include the appropriate service codes.
descriptionDetails	array	An array containing shipment details.
descriptionDetails.description	string	The shipment item description.
descriptionDetails.freightClass	string	The shipment item class (see Values).
descriptionDetails.hazmatCheck	boolean	Indicates whether the shipment item is hazardous.
descriptionDetails.individualPieceType	string	The unit type for the individual pieces of the described freight. (see Values)
descriptionDetails.individualPieces	number	The number of individual pieces included in the handling unit for the shipment item.
descriptionDetails.nmfc	string	The shipment item NMFC.
descriptionDetails.nmfcSub	string	The shipment item NMFC sub.
descriptionDetails.pieces	number	The shipment item handling units.
descriptionDetails.weight	number	The shipment item weight in pounds.
email	string	The email address of the recipient of a PDF copy of the Bill of Lading and shipment label.
estimateNumber	number	The rate estimate number.
estimateType	string	The rate estimate type (see Values).
grossTotalWeight	number	The total gross weight of the shipment in pounds.
handlingUnitCount	number	The total count of shipment handling units.
handlingUnitDetails	array	An array containing handling unit details.
handlingUnitDetails.height	number	The height of the handling unit(s) in inches.
handlingUnitDetails.length	number	The length of the handling unit(s) in inches.

Name	Type	Description
handlingUnitDetails.unitCount	number	The number of handling units for this array.
handlingUnitDetails.unitType	string	The handling unit type (see Values). This field is required where handlingUnitCount is populated
handlingUnitDetails.width	number	The width of the handling unit(s) in inches.
handlingUnitType	string	The overall handling unit type (see Values)
hazmatContactName	string	The hazardous materials contact name.
hazmatContactPhoneNumber	string	The hazardous materials contact telephone number.
hazmatContractNumber	string	The hazardous materials contract number.
integrationCustomer	string	The name of the company submitting electronic Bill of Lading data on behalf of our mutual customer.
netTotalWeight	number	The shipment total net weight in pounds.
pickupDate	ISO-8601	The requested pickup date e.g.: "2025-01-15". Providing a valud in pickupDate does not generate a request for pickup. Use our Pickup API to request pickup.
referenceNumbers	array	An array containing shipment reference numbers.
referenceNumbers.pieceCount	number	The reference number piece count.
referenceNumbers.referenceNumber	string	The shipment reference number.
referenceNumbers.referenceType	string	The shipment reference type (see Values).
returnPickupDateTime	ISO-8601	The trade show requested pickup date e.g.: "2025-01-15".
shipmentServices	array	An array containing shipment services.
shipmentServices.serviceCode	string	The service code (see Values).

Name	Type	Description
shipmentServices.serviceDescription	string	The service description. If not provided, the OD description will be used.
showSiteTargetMoveInDateTime	ISO-8601	The target date (and optional time) for delivery to the trade show e.g.: "2025-01-15T08:00:00.000Z". Mutually exclusive from **advancedWarehousingDeliverByDateTime** Provide one or the other of: • advancedWarehousingDeliverByDateTime • showSiteTargetMoveInDateTime
skidWeight	number	The shipment skid weight in pounds.
specialInstructionsDelivery	string	Special delivery instructions that must be followed for the shipment. Instructions included here will be printed on the Bill of Lading.
specialInstructionsPickup	string	Special pickup instructions that must be followed for the shipment. Instructions included here will be printed on the Bill of Lading.
thirdPartyLogistics	string	The name of the third-party logistics company.
tradeShowFlag	boolean	Indicates whether the shipment is for a trade show.
tradeShows	array	An array containing trade show pickup and delivery details.
tradeShows.service	string	Indicates whether this trade show service is a pickup or a delivery. (see Values)
tradeShows.show	string	The trade show name.
tradeShows.booth	string	The trade show booth number.
tradeShows.contractor	string	The trade show contractor name. The contractor is responsible for booth setup.

Name	Type	Description
tradeShows.exhibitor	string	The trade show exhibitor name.
transportationManagementSystem	string	The transportation management system (TMS) name.

Values

Field Name	Valid Values	
addressType	billTo	
	broker	
	consignee	
	shipper	
country	CAN	
	MEX	
	USA	
deliveryDateType	Deliver On or After Date	
	Deliver By Date	
	Delivery Window	
	Required Delivery Date	
estimateType	004	Pallet Rate
	670	Cubic Meter
	688	Household Services
	698	Security Divider
	699	Volume
freightClass	50	
	55	
	60	

Field Name	Valid Values	
	65	
	70	
	77	
	85	
	92	
	100	
	110	
	125	
	150	
	175	
	200	
	250	
	300	
	400	
	500	
freightTerms	Collect	
	Prepaid	
handlingUnitType	BAG	
	BALE	
	BDL	Bundle
	BOX	

Field Name	Valid Values	
	BSKD	Banded Skid
	CAN	
	CASE	
	CRT	Crate
	CTN	Carton
	DRUM	
	LSE	Loose
	MULT	Multiple Packaging
	OTH	Other
	PAIL	
	REEL	
	ROLL	
	SKID	
	TOTE	
	WSKD	Wrapped Skid
individualPieceType	BAG	
	BALE	
	BDL	Bundle
	BOX	
	BSKD	Banded Skid
	CAN	

Field Name	Valid Values		
	CASE		
	CRT		Crate
	CTN		Carton
	DRUM		
	LSE		Loose
	OTH		Other
	PAIL		
	REEL		
	ROLL		
	SKID		
	TOTE		
	WSKD		Wrapped Skid
referenceType	CPH	Consignee Phone	
	BOL	Bill of Lading	
	LOAD	Load	
	PO	Purchase Order	
serviceCode	AID		Airport Delivery
	AIP		Airport Pickup
	ARN		Notification Prior to Delivery
	CA		Scheduled Appointment Delivery
	CDC		School, College, Church Delivery

Field Name	Valid Values	
	CPC	School, College, Church Pickup
	CSD	Construction Site Delivery
	CSP	Construction Site Pickup
	DSM	Mine, Oil Field, Quarry Delivery
	DSW	Solar, Wind Farm Delivery
	EXD	Trade Show Delivery
	EXO	Trade Show Pickup
	GTD	GUARANTEED
	GTE	GUARANTEED BY NOON
	HYD	Liftgate Service Delivery
	HYO	Liftgate Service Pickup
	IDC	Inside Delivery
	IND	ADDL CARGO LIAB-LTL $
	IPC	Inside Pickup
	LDC	Secured/Limited Access Delivery
	LPC	Secured/Limited Access Pickup
	OVL	Overlength Article
	PFF	Protect from Freezing
	PSW	Solar, Wind Farm Pick Up
	RDC	Residential/Non-Commercial Delivery
	RPC	Residential/Non-Commercial Pickup

Field Name	Valid Values	
	SDS	Security Divider Service
	SPR	SPECIAL PROJECT ROLLOUT
	SWD	Self-Storage Delivery
tradeShows.service	Pickup	
	Delivery	
unitType	BAG	
	BALE	
	BDL	Bundle
	BOX	
	BSKD	Banded Skid
	CAN	
	CASE	
	CRT	Crate
	CTN	Carton
	DRUM	
	LSE	Loose
	OTH	Other
	PAIL	
	REEL	
	ROLL	
	SKID	

Field Name	Valid Values	
	TOTE	
	WSKD	Wrapped Skid

Response

Fields

Field	Definition	Data Type
success		flag
errorMessages	An array containing validation error messages.	array
errorCodes		
proNumber	The PRO number submitted with or generated by the request.	number
label	A base 64 encoded pdf of the shipping label.	
bol	A base 64 encoded pdf of the bill of lading.	

Response Codes

Code	Message	Details
200	Unexpected error running rate request, please try again later	If the problem persists, contact Customer Service.
401	Unauthorized	The authentication token is missing or expired.
500	Internal Server Error	If the problem persists, contact Customer Service.

Sample

bol-request

Request

```
{
  "addresses": [
    {
      "addressLine1": "string",
      "addressLine2": "string",
      "addressName": "string",
      "addressType": "string",
      "attention": "shipper",
      "city": "string",
      "country": "USA",
      "state": "VA",
      "zipcode": "90210",
      "phoneNumber": "0005551212"
    },
    {
      "addressLine1": "string",
      "addressLine2": "string",
      "addressName": "string",
      "addressType": "consignee",
      "attention": "string",
      "city": "string",
      "country": "USA",
      "state": "VA",
      "zipcode": "90210",
      "phoneNumber": "0005551212 "
    },
    {
      "addressLine1": "string",
      "addressLine2": "string",
      "addressName": "string",
      "addressType": "billTo",
      "attention": "string",
      "city": "string",
      "country": "USA",
      "state": "VA",
      "zipcode": "90210",
      "phoneNumber": "0005551212 "
    }
  ],
  "descriptionDetails": [
    {
      "description": "string",
```

```
      "freightClass": "150",
      "hazmatCheck": true,
      "individualPieceType": "DRUM",
      "individualPieces": 2,
      "nmfc": "",
      "nmfcSub": "",
      "pieces": 2,
      "weight": 1000
    }
  ],
  "handlingUnitDetails": [],
  "referenceNumbers": [
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "PPID"
    },
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "BOL"
    },
    {
      "pieceCount": 7,
      "referenceNumber": "string",
      "referenceType": "PO"
    },
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "PKU"
    },
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "LOAD"
    }
  ],
  "shipmentServices": [
    {
      "serviceCode": "CSD",
      "serviceDescription": "Construction Site Delivery"
    }
  ],
  "tradeShows": [
    {
      "service": "Pickup",
      "show": "string",
      "booth": "string",
      "contractor": "string",
      "exhibitor": "string"
    }
  ],
```

```
    "proNumber": 55555555555,
    "freightTerms": "PREPAID",
    "pickupDate": "2023-02-15",
    "handlingUnitCount": 30,
    "handlingUnitType": "SKID",
    "skidWeight": 500,
    "grossTotalWeight": 2500,
    "netTotalWeight": 2000,
    "cargoLiability": 0,
    "hazmatContactName": "string",
    "hazmatContactPhoneNumber": "0005551212",
    "hazmatContractNumber": "string",
    "deliveryBeginDate": "2023-02-17T08:00:00.000Z",
    "deliveryEndDate": "2023-02-17T08:00:00.000Z ",
    "cubicFeet": 0,
    "specialInstructionsDelivery": "string",
    "specialInstructionsPickup": "string",
    "customer": "string",
    "integrationCustomer": "string",
    "thirdPartyLogistics": "string",
    "transportationManagementSystem": "string",
    "email": ""
}
```

Response

```
// JSON Successful Response Data
{
    "success": true,
    "errorMessages": [],
    "errorCodes": [],
    "proNumber": 55555555555,
    "label": null,
    "bol": null
}

// JSON Response Data with Validation Errors
{
  "success": false,
  "errorMessages": [
            "Freight terms is required.",
            "Type of address is required for all addresses.",
            "Only one address allowed for each address type.",
            "Account number 99999999 for address type BillTo is not valid.",
            "Pro number must be numeric."
  ],
  "errorCodes": [],
  "proNumber": 55555555555,
  "label": null,
  "bol": null
}


// JSON Response Data with HTML error code
{
  "timestamp": "2020-02-14T15:42:38.182+0000",
  "status": 400,
  "error": "Bad Request",
  "message": "Bad Request",
  "path": "/bol-request"
}
```

generatePro=true

Request

```
{
    "addresses": [
        {
            "addressLine1": "string",
            "addressLine2": "string",
            "addressName": "string",
            "addressType": "string",
            "attention": "shipper",
            "city": "string",
            "country": "USA",
            "state": "VA",
            "zipcode": "90210",
            "phoneNumber": "0005551212"
        },
        {
            "addressLine1": "string",
            "addressLine2": "string",
            "addressName": "string",
            "addressType": "consignee",
            "attention": "string",
            "city": "string",
            "country": "USA",
            "state": "VA",
            "zipcode": "90210",
            "phoneNumber": "0005551212 "
        },
        {
            "addressLine1": "string",
            "addressLine2": "string",
            "addressName": "string",
            "addressType": "billTo",
            "attention": "string",
            "city": "string",
            "country": "USA",
            "state": "VA",
            "zipcode": "90210",
            "phoneNumber": "0005551212 "
        }
    ],
    "descriptionDetails": [
        {
            "description": "string",
            "freightClass": "150",
            "hazmatCheck": true,
            "individualPieceType": "DRUM",
            "individualPieces": 2,
            "nmfc": "",
```

```
            "nmfcSub": "",
            "pieces": 2,
            "weight": 1000
        }
    ],
    "handlingUnitDetails": [],
    "referenceNumbers": [
        {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "PPID"
        },
        {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "BOL"
        },
        {
            "pieceCount": 7,
            "referenceNumber": "string",
            "referenceType": "PO"
        },
        {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "PKU"
        },
        {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "LOAD"
        }
    ],
    "shipmentServices": [
        {
            "serviceCode": "CSD",
            "serviceDescription": "Construction Site Delivery"
        }
    ],
    "tradeShows": [
        {
            "service": "Pickup",
            "show": "string",
            "booth": "string",
            "contractor": "string",
            "exhibitor": "string"
        }
    ],
    "freightTerms": "PREPAID",
    "pickupDate": "2023-02-15",
    "handlingUnitCount": 30,
    "handlingUnitType": "SKID",
    "skidWeight": 500,
```

```
    "grossTotalWeight": 2500,
    "netTotalWeight": 2000,
    "cargoLiability": 0,
    "hazmatContactName": "string",
    "hazmatContactPhoneNumber": "0005551212",
    "hazmatContractNumber": "string",
    "deliveryBeginDate": "2023-02-17T08:00:00.000Z",
    "deliveryEndDate": "2023-02-17T08:00:00.000Z ",
    "cubicFeet": 0,
    "specialInstructionsDelivery": "string",
    "specialInstructionsPickup": "string",
    "customer": "string",
    "integrationCustomer": "string",
    "thirdPartyLogistics": "string",
    "transportationManagementSystem": "string",
    "email": ""
}
```

Response

```
// JSON Successful Response Data
{
    "success": true,
    "errorMessages": [],
    "errorCodes": [],
    "proNumber": 555555555,
    "label": null,
    "bol": null
}

// JSON Response Data with Validation Errors
{
  "success": false,
  "errorMessages": [
            "Freight terms is required.",
            "Type of address is required for all addresses.",
            "Only one address allowed for each address type.",
            "Account number 99999999 for address type BillTo is not valid.",
  ],
  "errorCodes": [],
  "proNumber": 555555555,
  "label": null,
  "bol": null
}


// JSON Response Data with HTML error code
{
  "timestamp": "2020-02-14T15:42:38.182+0000",
```

```
  "status": 400,
  "error": "Bad Request",
  "message": "Bad Request",
  "path": "/bol-request"
}
```

generateBOL=true

Request

```
{
    "addresses": [
        {
            "addressLine1": "string",
            "addressLine2": "string",
            "addressName": "string",
            "addressType": "string",
            "attention": "shipper",
            "city": "string",
            "country": "USA",
            "state": "VA",
            "zipcode": "90210",
            "phoneNumber": "0005551212"
        },
        {
            "addressLine1": "string",
            "addressLine2": "string",
            "addressName": "string",
            "addressType": "consignee",
            "attention": "string",
            "city": "string",
            "country": "USA",
            "state": "VA",
            "zipcode": "90210",
            "phoneNumber": "0005551212 "
        },
        {
            "addressLine1": "string",
            "addressLine2": "string",
            "addressName": "string",
            "addressType": "billTo",
            "attention": "string",
            "city": "string",
            "country": "USA",
            "state": "VA",
            "zipcode": "90210",
```

```json
      "phoneNumber": "0005551212 "
    }
  ],
  "descriptionDetails": [
    {
      "description": "string",
      "freightClass": "150",
      "hazmatCheck": true,
      "individualPieceType": "DRUM",
      "individualPieces": 2,
      "nmfc": "",
      "nmfcSub": "",
      "pieces": 2,
      "weight": 1000
    }
  ],
  "handlingUnitDetails": [],
  "referenceNumbers": [
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "PPID"
    },
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "BOL"
    },
    {
      "pieceCount": 7,
      "referenceNumber": "string",
      "referenceType": "PO"
    },
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "PKU"
    },
    {
      "pieceCount": 0,
      "referenceNumber": "string",
      "referenceType": "LOAD"
    }
  ],
  "shipmentServices": [
    {
      "serviceCode": "CSD",
      "serviceDescription": "Construction Site Delivery"
    }
  ],
  "tradeShows": [
    {
      "service": "Pickup",
```

```
      "show": "string",
      "booth": "string",
      "contractor": "string",
      "exhibitor": "string"
    }
  ],
  "proNumber": 55555555555,
  "freightTerms": "PREPAID",
  "pickupDate": "2023-02-15",
  "handlingUnitCount": 30,
  "handlingUnitType": "SKID",
  "skidWeight": 500,
  "grossTotalWeight": 2500,
  "netTotalWeight": 2000,
  "cargoLiability": 0,
  "hazmatContactName": "string",
  "hazmatContactPhoneNumber": "0005551212",
  "hazmatContractNumber": "string",
  "deliveryBeginDate": "2023-02-17T08:00:00.000Z",
  "deliveryEndDate": "2023-02-17T08:00:00.000Z ",
  "cubicFeet": 0,
  "specialInstructionsDelivery": "string",
  "specialInstructionsPickup": "string",
  "customer": "string",
  "integrationCustomer": "string",
  "thirdPartyLogistics": "string",
  "transportationManagementSystem": "string",
  "email": ""
}
```

Response

```
// JSON Successful Response Data
{
    "success": true,
    "errorMessages": [],
    "errorCodes": [],
    "proNumber": 78004525651,
    "label": null,
    "bol": "JVBERi0xLjQKJeLjz9MKNSAwIG9iago8PC9UeXBlL1hPYmplY3QvU3VidHlwZS9JbWFnZS9XaWR0
aCAyMTUvSGVpZ2h0IDIxOS9MZW5ndGggNTM3Ni9Db2xvclNwYWNlL0RldmljZVJHQi9EZWNvZGVQYXJtcz
w8L0JpdHNQZXJDb21wb25lbnQgOC9QcmVkaWN0b3IgMTUvQ29sdW1ycyAyMTUvQ29sb3JzIDM"
}

// JSON Response Data with Validation Errors
{
  "success": false,
  "errorMessages": [
          "Freight terms is required.",
          "Type of address is required for all addresses.",
          "Only one address allowed for each address type.",
          "Account number 99999999 for address type BillTo is not valid.",
          "Pro number must be numeric."
  ],
  "errorCodes": [],
  "proNumber": null,
  "label": null,
  "bol": null
}


// JSON Response Data with HTML error code
{
  "timestamp": "2020-02-14T15:42:38.182+0000",
  "status": 400,
  "error": "Bad Request",
  "message": "Bad Request",
  "path": "/bol-request"
}
```

---

generateLabel=true

This endpoint response returns a pdf of the shipping label base 64 encoded format.

Request

```json
{
  "addresses": [
    {
      "addressLine1": "string",
      "addressLine2": "string",
      "addressName": "string",
      "addressType": "string",
      "attention": "shipper",
      "city": "string",
      "country": "USA",
      "state": "VA",
      "zipcode": "90210",
      "phoneNumber": "0005551212"
    },
    {
      "addressLine1": "string",
      "addressLine2": "string",
      "addressName": "string",
      "addressType": "consignee",
      "attention": "string",
      "city": "string",
      "country": "USA",
      "state": "VA",
      "zipcode": "90210",
      "phoneNumber": "0005551212 "
    },
    {
      "addressLine1": "string",
      "addressLine2": "string",
      "addressName": "string",
      "addressType": "billTo",
      "attention": "string",
      "city": "string",
      "country": "USA",
      "state": "VA",
      "zipcode": "90210",
      "phoneNumber": "0005551212 "
    }
  ],
  "descriptionDetails": [
    {
      "description": "string",
      "freightClass": "150",
      "hazmatCheck": true,
      "individualPieceType": "DRUM",
      "individualPieces": 2,
```

```
          "nmfc": "",
          "nmfcSub": "",
          "pieces": 2,
          "weight": 1000
       }
   ],
   "handlingUnitDetails": [],
   "referenceNumbers": [
       {
          "pieceCount": 0,
          "referenceNumber": "string",
          "referenceType": "PPID"
       },
       {
          "pieceCount": 0,
          "referenceNumber": "string",
          "referenceType": "BOL"
       },
       {
          "pieceCount": 7,
          "referenceNumber": "string",
          "referenceType": "PO"
       },
       {
          "pieceCount": 0,
          "referenceNumber": "string",
          "referenceType": "PKU"
       },
       {
          "pieceCount": 0,
          "referenceNumber": "string",
          "referenceType": "LOAD"
       }
   ],
   "shipmentServices": [
       {
          "serviceCode": "CSD",
          "serviceDescription": "Construction Site Delivery"
       }
   ],
   "tradeShows": [
       {
          "service": "Pickup",
          "show": "string",
          "booth": "string",
          "contractor": "string",
          "exhibitor": "string"
       }
   ],
   "proNumber": 55555555555,
   "freightTerms": "PREPAID",
   "pickupDate": "2023-02-15",
   "handlingUnitCount": 30,
```

```
    "handlingUnitType": "SKID",
    "skidWeight": 500,
    "grossTotalWeight": 2500,
    "netTotalWeight": 2000,
    "cargoLiability": 0,
    "hazmatContactName": "string",
    "hazmatContactPhoneNumber": "0005551212",
    "hazmatContractNumber": "string",
    "deliveryBeginDate": "2023-02-17T08:00:00.000Z",
    "deliveryEndDate": "2023-02-17T08:00:00.000Z ",
    "cubicFeet": 0,
    "specialInstructionsDelivery": "string",
    "specialInstructionsPickup": "string",
    "customer": "string",
    "integrationCustomer": "string",
    "thirdPartyLogistics": "string",
    "transportationManagementSystem": "string",
    "email": ""
}
```

Response

```
// JSON Successful Response Data
{
  "success": true,
  "errorMessages": [],
  "errorCodes": [],
  "proNumber": 55555555555,
  "bol": null
  "label": "VGhpcyB3b3VsZCBub3JtYWxseSBkZWNvZGUgaW50byBhIHBkZiBvZiB0aGUgc2hpcHBpbmcgbGF
iZWxzIHRoYXQgY291bGQgYmUgcHJpbnRlZCBhbmQgYXBwbGllZCB0byB0aGUgaGFuZGxpbmcgdW5pdH
Mgb2YgdGhlIHNoaXBtZW50Lg=="
}


// JSON Response Data with Validation Errors
{
  "success": false,
  "errorMessages": [
            "Freight terms is required.",
            "Type of address is required for all addresses.",
            "Only one address allowed for each address type.",
            "Account number 99999999 for address type BillTo is not valid.",
            "Pro number must be numeric."
  ],
  "errorCodes": [],
  "proNumber": null,
  "label": null,
  "bol": null
}
```

```
// JSON Response Data with HTML error code
{
  "timestamp": "2020-02-14T15:42:38.182+0000",
  "status": 400,
  "error": "Bad Request",
  "message": "Bad Request",
  "path": "/bol-request"
}
```

generatePro=true&generateLabel=true

Request

```
{
   "addresses": [
      {
         "addressLine1": "string",
         "addressLine2": "string",
         "addressName": "string",
         "addressType": "string",
         "attention": "shipper",
         "city": "string",
         "country": "USA",
         "state": "VA",
         "zipcode": "90210",
         "phoneNumber": "0005551212"
      },
      {
         "addressLine1": "string",
         "addressLine2": "string",
         "addressName": "string",
         "addressType": "consignee",
         "attention": "string",
         "city": "string",
         "country": "USA",
         "state": "VA",
         "zipcode": "90210",
         "phoneNumber": "0005551212 "
      },
      {
         "addressLine1": "string",
         "addressLine2": "string",
         "addressName": "string",
         "addressType": "billTo",
         "attention": "string",
         "city": "string",
         "country": "USA",
         "state": "VA",
         "zipcode": "90210",
         "phoneNumber": "0005551212 "
      }
   ],
   "descriptionDetails": [
      {
         "description": "string",
         "freightClass": "150",
         "hazmatCheck": true,
         "individualPieceType": "DRUM",
         "individualPieces": 2,
         "nmfc": "",
```

```
        "nmfcSub": "",
        "pieces": 2,
        "weight": 1000
      }
  ],
  "handlingUnitDetails": [],
  "referenceNumbers": [
      {
        "pieceCount": 0,
        "referenceNumber": "string",
        "referenceType": "PPID"
      },
      {
        "pieceCount": 0,
        "referenceNumber": "string",
        "referenceType": "BOL"
      },
      {
        "pieceCount": 7,
        "referenceNumber": "string",
        "referenceType": "PO"
      },
      {
        "pieceCount": 0,
        "referenceNumber": "string",
        "referenceType": "PKU"
      },
      {
        "pieceCount": 0,
        "referenceNumber": "string",
        "referenceType": "LOAD"
      }
  ],
  "shipmentServices": [
      {
        "serviceCode": "CSD",
        "serviceDescription": "Construction Site Delivery"
      }
  ],
  "tradeShows": [
      {
        "service": "Pickup",
        "show": "string",
        "booth": "string",
        "contractor": "string",
        "exhibitor": "string"
      }
  ],
  "freightTerms": "PREPAID",
  "pickupDate": "2023-02-15",
  "handlingUnitCount": 30,
  "handlingUnitType": "SKID",
  "skidWeight": 500,
```

```
    "grossTotalWeight": 2500,
    "netTotalWeight": 2000,
    "cargoLiability": 0,
    "hazmatContactName": "string",
    "hazmatContactPhoneNumber": "0005551212",
    "hazmatContractNumber": "string",
    "deliveryBeginDate": "2023-02-17T08:00:00.000Z",
    "deliveryEndDate": "2023-02-17T08:00:00.000Z ",
    "cubicFeet": 0,
    "specialInstructionsDelivery": "string",
    "specialInstructionsPickup": "string",
    "customer": "string",
    "integrationCustomer": "string",
    "thirdPartyLogistics": "string",
    "transportationManagementSystem": "string",
    "email": ""
}
```

Response

```
// JSON Successful Response Data
{
  "success": true,
  "errorMessages": [],
  "errorCodes": []
  "proNumber": 55555555555,
  "bol": null
  "label": "VGhpcyB3b3VsZCBub3JtYWxseSBkZWNvZGUgaW50byBhIHBkZiBvZiB0aGUgc2hpcHBpbmcgbGF
iZWxzIHRoYXQgY291bGQgYmUgcHJpbnRlZCBhbmQgYXBwbGllZCB0byB0aGUgaGFuZGxpbmcgdW5pdH
Mgb2YgdGhlIHNoaXBtZW50Lg=="
}


// JSON Response Data with Validation Errors
{
  "success": false,
  "errorMessages": [
        "Freight terms is required.",
        "Type of address is required for all addresses.",
        "Only one address allowed for each address type.",
        "Account number 99999999 for address type BillTo is not valid.",
        "Pro number must be numeric."
  ],
  "errorCodes": [],
  "proNumber": null,
  "label": null,
  "bol": null
}


// JSON Response Data with HTML error code
```

```
{
  "timestamp": "2020-02-14T15:42:38.182+0000",
  "status": 400,
  "error": "Bad Request",
  "message": "Bad Request",
  "path": "/bol-request"
}
```

modifyBol=true

Request

```
{
   "addresses": [
     {
        "addressLine1": "string",
        "addressLine2": "string",
        "addressName": "string",
        "addressType": "string",
        "attention": "shipper",
        "city": "string",
        "country": "USA",
        "state": "VA",
        "zipcode": "90210",
        "phoneNumber": "0005551212"
     },
     {
        "addressLine1": "string",
        "addressLine2": "string",
        "addressName": "string",
        "addressType": "consignee",
        "attention": "string",
        "city": "string",
        "country": "USA",
        "state": "VA",
        "zipcode": "90210",
        "phoneNumber": "0005551212 "
     },
     {
        "addressLine1": "string",
        "addressLine2": "string",
        "addressName": "string",
        "addressType": "billTo",
        "attention": "string",
        "city": "string",
        "country": "USA",
        "state": "VA",
        "zipcode": "90210",
        "phoneNumber": "0005551212 "
     }
   ],
   "descriptionDetails": [
     {
        "description": "string",
        "freightClass": "150",
        "hazmatCheck": true,
        "individualPieceType": "DRUM",
        "individualPieces": 2,
        "nmfc": "",
```

```
            "nmfcSub": "",
            "pieces": 2,
            "weight": 1000
         }
      ],
      "handlingUnitDetails": [],
      "referenceNumbers": [
         {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "PPID"
         },
         {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "BOL"
         },
         {
            "pieceCount": 7,
            "referenceNumber": "string",
            "referenceType": "PO"
         },
         {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "PKU"
         },
         {
            "pieceCount": 0,
            "referenceNumber": "string",
            "referenceType": "LOAD"
         }
      ],
      "shipmentServices": [
         {
            "serviceCode": "CSD",
            "serviceDescription": "Construction Site Delivery"
         }
      ],
      "tradeShows": [
         {
            "service": "Pickup",
            "show": "string",
            "booth": "string",
            "contractor": "string",
            "exhibitor": "string"
         }
      ],
      "proNumber": 55555555555,
      "freightTerms": "PREPAID",
      "pickupDate": "2023-02-15",
      "handlingUnitCount": 30,
      "handlingUnitType": "SKID",
```

```
  "skidWeight": 500,
  "grossTotalWeight": 2500,
  "netTotalWeight": 2000,
  "cargoLiability": 0,
  "hazmatContactName": "string",
  "hazmatContactPhoneNumber": "0005551212",
  "hazmatContractNumber": "string",
  "deliveryBeginDate": "2023-02-17T08:00:00.000Z",
  "deliveryEndDate": "2023-02-17T08:00:00.000Z ",
  "cubicFeet": 0,
  "specialInstructionsDelivery": "string",
  "specialInstructionsPickup": "string",
  "customer": "string",
  "integrationCustomer": "string",
  "thirdPartyLogistics": "string",
  "transportationManagementSystem": "string",
  "email": ""
}
```

Response

```
// JSON Successful Response Data
{
    "success": true,
    "errorMessages": [],
    "errorCodes": [],
    "proNumber": 55555555555,
    "label": null,
    "bol": null
}

// JSON Response Data with Validation Errors
{
  "success": false,
  "errorMessages": [
            "Freight terms is required.",
            "Type of address is required for all addresses.",
            "Only one address allowed for each address type.",
            "Account number 99999999 for address type BillTo is not valid.",
            "Pro number must be numeric."
  ],
  "errorCodes": [],
  "proNumber": 55555555555,
  "label": null,
  "bol": null
}


// JSON Response Data with HTML error code
{
  "timestamp": "2020-02-14T15:42:38.182+0000",
  "status": 400,
  "error": "Bad Request",
  "message": "Bad Request",
  "path": "/bol-request"
}
```