

API Functional Overview

The table below identifies the services available within API.

| Web Method | Purpose |
|--|--|
| GetToken | Get Token handles the user authentication in which the user needs to pass a Customer Code and Authentication Code to get a token. This token is then used to authenticate the subsequent requests within that session |
| GetAdminAuthentication | It takes the customer code and authentication password. If a user gets validated, the true/false will be returned |
| GetFDRate | The GetFDRate function will take the basic details of shipment such as zips, pieces pallets, weight, and dimensions and return the rates which contain Discounted Charges, Discount Rate for given Weight, and Accessorial charges. |
| ProcessOrder | This function is designed to save an order, generate a Pro-Number, and return an appropriate response based on the success or failure of these operations, as well as the authentication status |
| GetDocumentURI | It performs authentication, calls a service to obtain a document URL, converts the URL to Base64, and returns a response object with relevant information. The response includes a success message, Base64 representation of the document URI, and appropriate status codes based on the outcome of the operation. |
| GetShipmentTracking | Retrieves the shipment tracking details based on the ProNumber including a live URL link to show current location and status of a shipment |
| GetOrderDetails | Retrieves the order details based on the provided parameters. Filter on custom Code, pro-number, start Date, and end Date. From that it will return a list of order details. |
| GetRateRequestById | Retrieves rate request details based on the provided rate request ID. |

API Documentation URL:

<https://api.ljetarget.com/swagger/index.html>

Authentication

1. **GetToken:** The “GetToken” API performs authentication for customers. The API requires a customer code and authentication code to get an authenticated token.

POST Request URL: <https://api.ljetarget.com/api/Authentication/GetToken>

| Parameter | Purpose |
|----------------------------------|---------------------|
| customerCode (required) | Customer Code |
| authenticationCode (required) | Authentication Code |

Request body

```
{
  "customerCode": "string",
  "athenticationCode": "string"
}
```

Response body (If Customer Code and Authentication Code are valid)

```
{
  "message": "User is authenticated",
  "response": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkbXRoZW50aWNhdGlvbkNvZGUiOiJhYmNkZWZnaGlqa2xtbiIsIkN1c3RvbWVyc29kZSI6IkFTQzEwMDEiLCJleHAiOjE3MDIwNDUwNjAsImZcyI6Imh0dHA6Ly9sb2NhbGhvc3Q6NDQ1NDkvIiwiaWF0IjoiHR0cDovL2xvY2FsaG9zdDo0NDU0OS8ifQ.adkxvG17jY_usgQf5XEAcAo04fB7hYQcUtLqXh_FJw4",
  "statusCode": 200
}
```

Response body (If Customer Code and Authentication Code are not valid)

```
{
  "message": "User is not authenticated",
  "response": null,
  "statusCode": 401
}
```

2. GetAdminAuthentication:

| Parameter | Purpose |
|---------------------|-----------------------------|
| Username (required) | Input the existing username |
| password (required) | Input the correct password |

POST Request URL:

<https://api.ljetarget.com/api/Authentication/GetAdminAuthentication>

Request body

```
{
  "userName": "string",
  "password": "string"
}
```

Response body (Admin login success, If username and password are valid)

```
{
  "message": "Admin is successfully login",
  "response": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJBdXRoZW50aWNhdG1vbklvZGU0iJXQVZFUyI  
sIkN1c3RvbWVyQ29kZSI6IjcwN1NFUFUwMCI6ImV4cCI6MTcwMzU3MDUyMSwiaXNzIjoiaHR0cDovL2xvY2FsaG9zdD  
o0NDU0S8iLCJhdWQiOiJodHRwOi8vbG9jYXob3N00jQ0NTQ5LyJ9.drzvrN9vb1Dd41HuZhbBnEaaEIP10EYUrN72  
qd-qFcs",
  "statusCode": 200
}
```

Response body (If username and password are not valid)

```
{
  "message": "CustCode & Password is not authenticated",
  "response": null,
  "statusCode": 401
}
```

3. GetFDRate:

| Parameter | Purpose |
|----------------------------|--|
| token (required) | A token that the user gets from the "GetToken" API, if the user gets authenticated |
| Request body (required) | Input the parameters to determine which API endpoint call to make, and then send the request, processing the subsequent response. |
| Origin.Country | Specify the country of the origin. |
| Origin.PostalCode | Specify the postal code of the origin. |
| Destination.Country | Specify the country of the destination. |
| Destination.PostalCode | Specify the postal code of the destination. |
| Details.Height | Specify the height of the item in Inches. |
| Details.Pieces | Specify the number of pieces. |
| Details.Length | Specify the length of the item in Inches. |
| Details.Weight | Specify the weight of the item in lbs. |
| Details.Width | Specify the width of the item in Inches. |
| Details.NmfcClass | Specify the NMFC class of the item. |
| AccessorialsItems | Specify any additional accessorials items related to the detail. Eg; RD,LGD (Residential Delivery, Liftgate Delivery) The Accessorial Items are listed at the bottom of the documentation |

POST REQUEST URL: <https://api.ijetarget.com/api/RateWareXL/GetFDRate>

Request

```
"shipmentRequests": [  
  {  
    "origin": {  
      "country": "US",  
      "postalCode": "90815",  
      "city": "LONG BEACH",  
      "state": "CA"  
    },  
    "destination": {  
      "country": "US",  
      "postalCode": "94022",  
      "city": "LOS ALTOS",  
      "state": "CA"  
    },  
    "details": [  
      {  
        "height": 10,  
        "length": 10,  
        "width": 10,  
        "weight": 10,  
        "pieces": 1,  
        "nmfcClass": "00",  
        "accessorialItems": ["RD", "LGD"]  
      }  
    ]  
  }  
]
```

```

    {
      "height": "65",
      "length": "55",
      "width": "55",
      "weight": "1250",
      "nmfcClass": "100",
      "description": "Test",
      "pallets": "1",
      "pieces": "5"
    }
  ],
  "accessorialItems": "LGD,LGP,RD"
}
]
}

```

The above rate request has accessorial items for Liftgate Delivery(LGD), Liftgate Pickup (LGP) and Residence Delivery (RD) specified and these are included in the below response data. LGD and LGP will be returned as Liftgate Fee.

Response

```

{
  "message": "Itlrateshipment Response",
  "response": {
    "messageStatus": {
      "status": "PASS",
      "message": "PASS",
      "resolution": "PASS",
      "code": "200"
    },
    "shipmentResponses": [
      {
        "rateRequestId": 246,
        "shipmentRequest": null,
        "messageStatus": {
          "status": "PASS",
          "message": "PASS",
          "resolution": "PASS",
          "code": "200"
        },
        "lineHaulGrossCharge": null,
        "absoluteMinimumChargeFloor": null,
        "actualWeight": null,
        "billedWeight": null,
        "deficitCharge": null,
        "deficitCube": null,
        "deficitRate": null,
        "deficitWeight": null,
        "details": null,
        "discountAmount": null,
        "discountPercentUsed": null,
        "minimumCharge": null,
        "surchargeAmount": null,
        "surchargePercentUsed": null,
        "totalCharge": null,
        "totalWeight": 1250,
        "totalWeightDiscountPercentage": 0,
        "totalDiscountRate": 0,
        "distributedAccessorialDetails": [
          {

```

```
"accessorialAmount": 0,
"accessorialCode": "LGD"
},
{
  "accessorialAmount": 0,
  "accessorialCode": "LGP"
},
{
  "accessorialAmount": 0,
  "accessorialCode": "RD"
}
],
"accessorialAddOnCharges": 0,
"diffTotalDiscountRate": 0,
"totalPayableCharge": 376.53,
"priceData": {
  "message": "",
  "items": [
    {
      "description": "Commodity ",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": ""
    },
    {
      "description": "",
      "units": "5",
      "class": "100",
      "weight": "1250",
      "rate": "0",
      "charge": "    $0.00 "
    },
    {
      "description": "ITEM 4600",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": "    $203.98 "
    },
    {
      "description": "FUEL SURCHARGE 35.20%",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": "    $71.80 "
    },
    {
      "description": "CA Compliance Fee",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": "    $12.00 "
    },
    {
      "description": "Liftgate Fee",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": "    $20.00 "
    }
  ]
}
```

```

    {
      "description": "Residence Delivery",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": "    $68.75 "
    },
    {
      "description": "Miles Between:404",
      "units": "",
      "class": "",
      "weight": "",
      "rate": "",
      "charge": ""
    },
    {
      "description": "*Totals",
      "units": "11",
      "class": "",
      "weight": "1250",
      "rate": "",
      "charge": "    $376.53 \r\n\r\n"
    }
  ]
}
},
]
},
"statusCode": 200
}

```

Rate Request example with multiple items

```

"shipmentRequests": [
  {
    "origin": {
      "country": "US",
      "postalCode": "90815",
      "city": "LONG BEACH",
      "state": "CA"
    },
    "destination": {
      "country": "US",
      "postalCode": "94022",
      "city": "LOS ALTOS",
      "state": "CA"
    },
    "details": [
      {
        "height": "65",
        "length": "55",
        "width": "55",
        "weight": "1250",
        "nmfcClass": "100",
        "description": "Test",
        "pallets": "1",
        "pieces": "5"
      },
      {
        "height": "55",
        "length": "55",
        "width": "55",

```

```

        "weight": "1250",
        "nmfcClass": "100",
        "description": "Test",
        "pallets": "1",
        "pieces": "5"
    }
],
"accessorialItems": "LGD,RD"
}
]
}'

```

Validation Points for the value of **"weight": "-100"**, **"weight": 0**, And **"weight": "10A"**,

```

{
  "message": "densityrateshipment Response",
  "response": "API request failed with status NotFound Error Content : Invalid Weight, Please verify the weight for each detail line is between 1 and 999999.",
  "statusCode": 404
}

```

Validation Points for the value of **weight**

```

"details": [
  {
    "cube": "",
    "cubeUnits": "",
    "density": "8.2",
    "densityUnits": "L",
    "dimensionUnits": "",
    "height": "",
    "length": "",
    "pieces": "1",
    "weight": "120010",
    "weightUnits": "L",
    "width": "",
    "nmfcClass": ""
  }
]

```

The API checks the weights of the total items. The sum of weight should not exceed 12,000.

Response


```
{
  "message": "densityrateshipment Response",
  "response": "API request failed with status BadRequest Error Content :details[1]
= 120011 Weight Should be < 12000 Lbs.",
  "statusCode": 400
}
```

Validation Points for the value of **length**

```
"details": [
  {
    "cube": "",
    "cubeUnits": "",
    "density": "8.2",
    "densityUnits": "L",
    "dimensionUnits": "",
    "height": "",
    "length": "97",
    "pieces": "1",
    "weight": "1000",
    "weightUnits": "L",
    "width": "",
    "nmfcClass": ""
  }
]
```

The API checks the length. All items should be less than 96 inches.

Response

```
{
  "message": "densityrateshipment Response",
  "response": "API request failed with status BadRequest Error Content :details[0]
= 145 Length should be <= 96 inches or 8 feet.",
  "statusCode": 400
}
```

4. ProcessOrder:

| Parameter | Purpose |
|----------------------------------|---|
| token (required) | A token that the user gets from the "GetToken" API, if the user gets authenticated |
| Request body (required) | Input the parameters to determine which API endpoint call to make, and then send the request, processing the subsequent response. |
| RateRequestId | Specify the identifier for the rate request related to the order. |
| orderOrigin.PickupDate | Specify the pickup date when the order is scheduled or placed. |
| orderOrigin.ReadyTime | Specify the ready time of the order or delivery window. |
| orderOrigin.CloseTime | Specify the close time of the order or delivery window. |
| orderOrigin.City | Specify the city for delivery. |
| orderOrigin.PostalCode | Specify the postal code of the delivery address. |
| orderOrigin.Address | Specify the full address, including street details, for delivery. |
| orderOrigin.PhoneNumber | Specify the primary phone number for order-related communications. |
| orderOrigin.ContactName | Specify the name of the person to contact regarding the order. |
| orderOrigin.Email | Specify the email address for order-related communications. |
| orderOrigin.Notes | Include any additional information or special instructions for the order. |
| orderDestination.DestinationDate | Specify the destination date when the order is scheduled or placed. |
| orderDestination.OpenTime | Specify the destination open time of the order or delivery window. |
| orderDestination.CloseTime | Specify the destination close time of the order or delivery window. |
| orderDestination.City | Specify the destination city for delivery. |
| orderDestination.PostalCode | Specify the destination postal code of the delivery address. |
| orderDestination.Address | Specify the destination's full address, including street details, for delivery. |
| orderDestination.PhoneNumber | Specify the destination primary phone number for order-related communications. |
| orderDestination.ContactName | Specify the destination name of the person to contact regarding the order. |
| orderDestination.Email | Specify the destination email address for order-related communications. |
| orderDestination.Notes | Include any additional information or special instructions for the order. |

POST REQUEST URL: <https://api.ljetarget.com/api/RateWareXL/ProcessOrder>

Request body

```
{
  "requestOrderModel": {
    "orderOrigin": {
      "date": "string",
      "startTime": "string",
      "endTime": "string",
      "city": "string",
      "country": "string",
      "postalCode": "string",
      "address": "string",
      "phoneNumber": "string",
      "extension": "string",
      "contactName": "string",
      "email": "string",
      "notes": "string"},
    "orderDestination": {
      "date": "string",
      "startTime": "string",
      "endTime": "string",
      "city": "string",
      "country": "string",
      "postalCode": "string",
      "address": "string",
      "phoneNumber": "string",
      "extension": "string",
      "contactName": "string",
      "email": "string",
      "notes": "string"},
    "rateRequestId": 0
  }
}
```

Request body

```
{
  requestOrderModel: {
    rateRequestId: 1,
    orderOrigin: {
      date: "2023-12-20",
      startTime: "11:30 AM",
      endTime: "11:30 AM",
      city: "Alpine",
      country: "USA",
      postalCode: "91330",
      address: "K Street Pali Hill",
      phoneNumber: "1020304050",
      contactName: "Alexen",
      email: "Alexen@gmail.com",
      notes: "Shipment try to send"},
    orderDestination: {
      date: "2023-12-22",
      startTime: "15:00 PM",
      endTime: "15:00 Pm",
      city: "Phoenix",
      country: "US10",
      postalCode: "91330",
      address: "K Street area",
      phoneNumber: "1020304050",
      contactName: "Alex",
      email: "alex@gmail.com",
      notes: "Shipment try to get"}
  }
}
```

Response

```
{
  "message": "ProNumber Generated Successfully",
  "response": "600015",
  "statusCode": 200
}
```

Response fail

```
{
  "message": "Issue In ProNumber Generation",
  "response": null,
  "statusCode": 400
}
```

"orderOrigin": { "country": "US1" },
"orderDestination": { "country": "USA10" },

```
{
  "message": "Origin Country Invalid",
  "response": null,
  "statusCode": 404
}
```

```
{
  "message": "Please ensure the destination country contains only letters and does not exceed 3 characters. Country Invalid",
  "response": null,
  "statusCode": 404
}
```

"orderOrigin": { "city": "Alpine100" },
"orderDestination": { "city": "1000" },

```
{
  "message": "Origin City Invalid",
  "response": null,
  "statusCode": 404
}
```

```
{
  "message": "Destination City Invalid",
  "response": null,
  "statusCode": 404
}
```

"orderOrigin": { "postalCode": "AA330" },
"orderDestination": { "postalCode": "9133011" },

```
{
  "message": "orderOrigin : PostalCode Invalid",
  "response": null,
  "statusCode": 404
}
```

```
{
  "message": "Length is not valid PostalCode Invalid",
  "response": null,
  "statusCode": 404
}
```

```
"orderOrigin": { "address": "Rest" },
```

```
{  
  "message": "orderDestination Address max length < 5",  
  "response": null,  
  "statusCode": 404  
}
```

```
"orderOrigin": { "phoneNumber": "AAAA304050" },  
"orderDestination": { "phoneNumber ": " 102030405012 " },  
"orderDestination": { "phoneNumber ": " 102030" },
```

```
{  
  "message": "orderOrigin : PhoneNumber Invalid",  
  "response": null,  
  "statusCode": 404  
}
```

```
{  
  "message": "orderDestination : PhoneNumber Invalid",  
  "response": null,  
  "statusCode": 404  
}
```

```
" orderOrigin ": { "email ": " Alexengmail.com" },
```

```
{  
  "message": "orderOrigin : EmailAddress Invalid",  
  "response": null,  
  "statusCode": 404  
}
```

5. GetDocumentURI:

| Parameter | Purpose |
|-------------------------|---|
| token (required) | A token that the user gets from the "GetToken" API, if the user gets authenticated. |
| pronumber (required) | The proNumber number. |
| documenttype | The type of the document type. P , B (Proof of Delivery, Bill of Lading) |
| Response | returns the final ServiceResponse list of object, which contains either the Base64 representation of the document or an error message and status code. |

GET Request URL: <https://api.ljetarget.com/api/RateWareXL/GetDocumentURI>

Request body

| Name | Description |
|-----------------------------------|---|
| token string (query) | <input type="text" value="token"/> |
| pronumber string (query) | <input type="text" value="pronumber"/> |
| documenttype string (query) | <input type="text" value="documenttype"/> |

Response

```
{
  "message": "The URI string was successfully converted to Base64.",
  "response": [
    {
      "uri": "aHR0cHM6Ly8xOWVmNjMyNWViZDc5NDk3NGZmZS0yY2IyZjM2ODg1MmQ4NjkxMDdkMTdmMWUyNDE4YzgyYi5zc2wuY2YyLnJhY2tjZG4uY29tL1BPREFJPTC0wNzAxMjAyMi0xODUzNDc0MTdfMDcwMTIwMjItMTg1MzUyNTM2LnBkZg==",
      "proNumber": "872347",
      "docDate": "2022-07-01T18:54:00",
      "api_Message": "Signed Proof of Delivery Document"
    }
  ],
  "statusCode": 200
}
```

6. GetShipmentTracking:

| Parameter | Purpose |
|-------------------------|---|
| token (required) | A token that the user gets from the "GetToken" API, if the user gets authenticated. |
| pronumber (required) | The proNumber number. |
| Response | returns the final ServiceResponse object, which contains message, statusCode and response details or an error message and status code. |

GET Request URL: <https://api.ljetarget.com/api/RateWareXL/GetShipmentTracking>

Request body

| Name | Description |
|--------------------------------|---|
| token string (query) | <input type="text" value="eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ"/> |
| pronumber string (query) | <input type="text" value="923574"/> |

Response

```
{
  "message": "Shipment tracking data result.",
  "response": [
    {
      "proNumber": "923574",
      "fbDate": "01/30/2024 00:00:00",
      "status": "Delivered",
      "pickUpApt": null,
      "pickUpDateTime": "1/26/2024 12:00:00 AM",
      "deliveryApt": null,
      "deliveryDateTime": "1/29/2024 12:00:00 AM",
      "longitude": "-117.16250020",
      "latitude": "32.83318710",
      "liveURL": "https://cloud.samsara.com/o/8001545/fleet/viewer/job/9oKHCWucZEA1DJL61e7m",
      "scheduledArrivalTime": "01/29/2024 17:33:00",
      "actualArrivalTime": ""
    }
  ],
  "statusCode": 200
}
```

7. GetRateRequestById:

| Parameter | Purpose |
|-----------------------------|---|
| token (required) | A token that the user gets from the "GetToken" API, if the user gets authenticated. |
| rateRequestId (required) | The proNumber number. |
| Response | returns the final ServiceResponse object, which contains message, statusCode and response details or an error message and status code. |

GET Request URL: <https://api.ljetarget.com/api/RateWareXL/GetRateRequestById>

Request body

| Name | Description |
|------------------------------------|---|
| token string (query) | <input type="text" value="eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ"/> |
| rateRequestId string (query) | <input type="text" value="118"/> |

Response

```
{
  "message": "Get rate request detail",
  "response": {
    "rateRequestId": 9999,
    "originCountry": "USA",
    "originPostlCode": "90723",
    "destinationCountry": "USA",
    "destinationPostlCode": "90755",
    "tariffEffectiveDate": "20070703",
    "tariffName": "DEMOLTLA",
    "detailType": null,
    "createdDate": "2024-02-01T05:25:35.437",
    "accessorialItems": "LIFT GATE PICKUP, RESIDENTIAL PICKUP",
    "status": "PASS",
    "totalCharge": 0,
    "totalWeight": 950,
    "totalWeightDiscountPercentage": 0,
    "totalDiscountRate": 0,
    "accessorialAddOnCharges": 0,
    "diffTotalDiscountRate": 0,
    "totalPayableCharge": 247.22,
    "originCity": "Paramount",
    "destinationCity": "Long Beach",
    "customerCode": "7177CON01"
  },
  "statusCode": 200
}
```


8. GetOrderDetails:

| Parameter | Purpose |
|---------------------|---|
| token (required) | A token that the user gets from the "GetToken" API, if the user gets authenticated. |
| customerCode | customerCode for the customer requesting order details |
| pronumber | The proNumber number. |
| startDate | startDate for the order requested date range. eg;2024-01-01 |
| endDate | endDate for the order requested date range. eg;2024-02-01 |
| Response | returns the final ServiceResponse object, which contains message, statusCode and response details or an error message and status code. |

GET Request URL: <https://api.ljetarget.com/api/RateWareXL/GetOrderDetails>

Request body

| Name | Description |
|-----------------------------------|---|
| token string (query) | <input type="text" value="eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ"/> |
| customerCode string (query) | <input type="text" value="7177CON01"/> |
| pronumber string (query) | <input type="text" value="600001"/> |
| startDate string (query) | <input type="text" value="2024-02-01"/> |
| endDate string (query) | <input type="text" value="2024-02-01"/> |

Response

```
{  
  "message": "GetOrder detail",  
  "response": [  

```

```

{
  "rateRequestId": 118,
  "originPickupDate": "2024-02-01T00:00:00",
  "originReadyTime": "08:00:00",
  "originCloseTime": "17:00:00",
  "originCity": "Paramount",
  "originCountry": "USA",
  "originPostalCode": "90723",
  "originAddress": "125 highline apartment,",
  "originPhoneNumber": "9841501487",
  "originContactName": "ART User LName",
  "originEmail": "originEmail@gmail.com",
  "originNotes": "test pickup notes",
  "destinationDate": "2024-02-02T00:00:00",
  "destinationOpenTime": "08:00:00",
  "destinationCloseTime": "17:00:00",
  "destinationCity": "Long Beach",
  "destinationCountry": "USA",
  "destinationPostalCode": "90723",
  "destinationAddress": "527 CANYON ROAD,",
  "destinationPhoneNumber": "9841501487",
  "destinationContactName": "ART User LName",
  "destinationEmail": "destinationEmail@gmail.com",
  "destinationNotes": "test destination notes",
  "proNumber": "600001",
  "customerCode": "7177CON01",
  "createdDate": "2024-02-01T05:25:48.047"
}
],
"statusCode": 200
}

```

Accessorial Items:

| Accessorial Code | Accessorial Item Description |
|------------------|------------------------------|
| AR | APPOINTMENT REQUESTED |
| ID | INSIDE DELIVERY |
| IDP | INSIDE DELIVERY PICKUP |
| LA | LIMITED ACCESS |
| LGD | LIFT GATE DELIVERY |
| LGP | LIFT GATE PICKUP |
| OVL | OVER THE LENGTH 8 TO 12 FT |
| RD | RESIDENTIAL DELIVERY |
| RP | RESIDENTIAL PICKUP |