

REST APIs

The REST APIs provide programmatic access to retrieve data from Polaris Transportation Group.

Our goal is simple: make it easy for customers/partners to connect with us. Ready access for your staff makes for quicker response times to your customers.

The REST APIs use customer/partner API keys for authentication and access to specific APIs. API keys authentication must be used with every request.

(Note: Soap/XML APIs can be found at the end of this document)

To get started:

- 1) Get an account at Polaris Transportation Group
- 2) Request an API key and which APIs to get access to
- 3) You will receive a welcome package with our terms
- 4) You will receive an API key

Overview:

Polaris APIs are plain JSON over HTTP and use the following HTTP verbs:

POST

GET

All API requests should hit the secured endpoints i.e. only HTTPS

Below are documents that will help you get going with the REST APIs as quickly as possible.

Feedback:

If you find any issues with the API, please email msakthivel@polaristransport.com or dbrajovich@polaristransport.com. We will be actively responding to all feedback. We look forward to working with you.

Testing

All REST APIs are tested with POSTMAN (<https://www.postman.com/downloads/>)

All SOAP APIs are testing with SOAPUI (www.soapui.org)

Change Log:

V1.0 – Initial document creation

V2.0 – additional APIs : Order Submission and Document Retrieval

- additional instructions on the Rating API, updated contacts

V3.0 – Modified IP on Test API URLs (REST & SOAP)

- Added URL for Order Entry Test API (REST & SOAP)

V6.2 – Modified IP on Test API URLs (REST & SOAP) for upgraded server

V6.3 – SSL added to Test APIs

- Limited Access Pickup/Delivery, InBond accessorial added to OrderEntry, Rate and ClassRate APIs

RATE API

The Rate API only supports cross border rates, i.e. between the US and Canada, or Canada and the US. It does not accommodate domestic shipping rates.

Our system can provide an automated quote for a maximum total length of 144 inches. If your request exceeds this limit, it will prompt you to contact us for a customized spot quote.

URL: <https://api.polaristransport.com:1984/restgateway/services/RateAPI/Rate>

METHOD: POST

PARAMS:

APIkey {string}

HEADERS:

Content-Type : application/json

BODY STRUCTURE:

```
{
  "RATE_API" : {
    "From_PC_ZIP" : string,
    "To_PC_ZIP" : string,
    "Total_Weight_lbs" : decimal, ( total weight should be less than 7200lbs)
    "Number_of_Skids" : integer, (total number of skids should be less than 5)
    "Class" : string, optional?
    "Pickup_Date" : dateTime, optional
    "Number_of_Pieces" : integer, optional
    "Description" : string, optional

    "ShipInstructions" : { optional
      "Inside_Pickup" : string, (Y/N value)
      "Residential_Pickup" : string, (Y/N value)
      "Lifgate_Pickup" : string, (Y/N value)
      "Inside_Delivery" : string, (Y/N value)
      "Residential_Delivery" : string, (Y/N value)
      "Lifgate_Delivery" : string, (Y/N value)
      "Appointment_Delivery" : string(Y/N value)
      "OverSizeFreight" : string(Y/N value)
      "LimitedAccess" : string(Y/N value) - Deprecated
      "Do_Not_Stack" : string(Y/N value)
      "In_Bond" : string(Y/N value)
      "Limited_Access_Pickup" : string(Y/N value)
      "Limited_Access_Delivery" : string(Y/N value)
    }
  }
}
```

```

    },
    "SkidDimensions" : [ { array - optional (will default to 48"x48"x48" skid)
        "Skid" : integer,
        "Length" : integer,
        "Width" : integer,
        "Height" : integer
    } ]
}
}

```

Example:

```

{
  "RATE_API": {
    "From_PC_ZIP": "53535",
    "To_PC_ZIP": "L4T 1G7",
    "Class": "",
    "Total_Weight_lbs": "397",
    "Number_of_Pieces": "15",
    "Description": "TEST",
    "ShipInstructions": {
      "Inside_Pickup": "Y",
      "Residential_Pickup": "N",
      "Lifgate_Pickup": "N",
      "Inside_Delivery": "N",
      "Residential_Delivery": "N",
      "Lifgate_Delivery": "N",
      "Appointment_Delivery": "N",
      "OverSizeFreight": "N",
      "LimitedAccess": "N",
      "Do_Not_Stack": "N",
      "In_Bond": "N",
      "Limited_Access_Pickup": "N",
      "Limited_Access_Delivery": "N"
    },
    "Number_of_Skids": "3",
    "SkidDimensions": [
      {
        "Skid": "1",
        "Length": "48",
        "Width": "48",
        "Height": "40"
      },
      {
        "Skid": "2",
        "Length": "40",
        "Width": "40",
        "Height": "50"
      },
      {
        "Skid": "3",
        "Length": "49",
        "Width": "49",
        "Height": "60"
      }
    ]
  }
}

```

RESPONSE STRUCTURE:

```
{
  "Rate_API_Response": {
    "Bill_Number": string, (Unique Quote#, starts with WQ)
    "Customer_Name": string,
    "From_PC_ZIP": string,
    "To_PC_ZIP": string,
    "Class": string,
    "Total_Weight_lbs": integer,
    "Pallets": integer,
    "Pickup_Date": dateTime,
    "Delivery_Date": dateTime,
    "Currency": string,
    "Base_Charge": decimal,
    "Fuel_Charge": decimal,
    "Fuel_Charge_Percentage": decimal,
    "Border_Charge": decimal,
    "Arbitrary_Charge_Total": decimal,
    "Additional_Services_Total": decimal,
    "Additional_Services": {
      "Charge": string,
      "Charge_Amount": decimal
    },
    "Total_Charge": decimal,
    "Terms": string,
    "Message": string , - Errors/Warnings would appear here
    "Error": string - Y/N - indicator if an error occurred
  }
}
```

Example:

```
{
  "Rate_API_Response": {
    "Customer_Name": "X LOGISTICS",
    "From_PC_ZIP": "53535",
    "To_PC_ZIP": "L4T1G7",
    "Class": null,
    "Total_Weight_lbs": "397",
    "Pallets": "3",
    "Pickup_Date": "2016-05-20T16:32:01.800-04:00",
    "Delivery_Date": "2016-05-25T16:31:00.000-04:00",
    "Currency": "USD",
    "Base_Charge": "420.0",
    "Fuel_Charge": null,
    "Fuel_Charge_Percentage": null,
    "Border_Charge": null,
    "Arbitrary_Charge_Total": "35.0",
    "Additional_Services_Total": "0.0",
    "Additional_Services": {
      "Charge": null,
      "Charge_Amount": "0"
    },
    "Total_Charge": "455.0",
    "Terms": "Minimum rates are only applicable to one single stackable skid under 500 lbs and no greater than L:48\" x W:48\" x H:48\" subject to re-dim and re-weight. 1-4 skid pricing is based on up to a maximum L:48\" x W:48\" x H:72\" skid and 1,500 lbs. Please refer to our <a target=\"_blank\" href=\"http://polaristransport.com/content/downloads/Tariff_PTG_100.pdf\" class=\"terms-conditions-link\">Terms & Conditions</a> for more information.",
    "Message": null,
    "Error": "N"
  }
}
```



```

        "contact": string
        "phone": string
        "phone_ext": string
        "cell": string
        "email": string
        "fax": string

    },
    "CustomsBroker": {
        "name": string
        "contact": string
        "phone": string
        "phone_ext": string
        "email": string
        "fax": string
    },
    "ShipInstructions": {
        "Inside_Pickup_YN": string
        "Residential_Pickup_YN": string
        "Lifgate_Pickup_YN": string
        "Inside_Delivery_YN": string
        "Residential_Delivery_YN": string
        "Lifgate_Delivery_YN": string
        "Appointment_Delivery_YN": string
        "Call_Ahead_YN": string
        "Do_Not_Stack_YN": string
        "Cannot_Travel_With_HAZMAT_YN": string
        "Fragile_YN": string
        "Heat_Required_YN": string
        "Straight_truck_Pickup_Required_YN": string
        "Straight_truck_Delivery_Required_YN": string
        "CSA_YN": string
        "Barn_Door_YN": string
        "Limited_Access_YN": string - Deprecated
        "In_Bond_YN": string
        "Limited_Access_Pickup_YN": string
        "Limited_Access_Delivery_YN": string
    },
    "Notes": [
    {
        "Type": string
        "Text": string
    }
    ],
    "TraceValues": [
    {
        "Type": string
        "Value": string
    }
    ]

```



```

    }

  ],
  "DetailLines": [
  {
    "Seq": integer
    "Description": string
    "Pallets": integer
    "PalletUOM": string
    "TotalWeight": decimal
    "WeightUOM": string
    "Class": string
    "Skid_Dimension1": {
      "Length": integer
      "Width": integer
      "Height": integer
    },
    "Skid_Dimension2": {
      "Length": interger
      "Width": interger
      "Height": interger
    },
    "Skid_Dimension3": {
      "Length": interger
      "Width": interger
      "Height": interger
    },
    "Skid_Dimension4": {
      "Length": interger
      "Width": interger
      "Height": interger
    },
    "Skid_Dimension5": {
      "Length": interger
      "Width": interger
      "Height": interger
    },
    "Skid_Dimension6": {
      "Length": interger
      "Width": interger
      "Height": interger
    },
    "Skid_Dimension7": {
      "Length": interger
      "Width": interger
      "Height": interger
    },
    "Skid_Dimension8": {
      "Length": interger
      "Width": interger

```

```

        "Height": integer
    },
    "Skid_Dimension9":          {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension10":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension11":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension12":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension13":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension14":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension15":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension16":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension17":         {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension18":         {
        "Length": integer
        "Width": integer

```

```

    "Height": integer
  },
  "Skid_Dimension19":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension20":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension21":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension22":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension23":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension24":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension25":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension26":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension27":      {
    "Length": integer
    "Width": integer
    "Height": integer
  },
  "Skid_Dimension28":      {
    "Length": integer
    "Width": integer

```

```

        "Height": integer
    },
    "Skid_Dimension29": {
        "Length": integer
        "Width": integer
        "Height": integer
    },
    "Skid_Dimension30": {
        "Length": integer
        "Width": integer
        "Height": integer
    }
}

],
"BOL_document": base64 encoded string
"Customs_document": base64 encoded string
}}

```

```

{"OE_Response": {
    "Order_Number": string
    "Customer_Name": string
    "From_PC_ZIP": string
    "To_PC_ZIP": string
    "Class": string
    "Total_Weight_lbs": decimal
    "Pallets": integer
    "Pickup_Date": timestamp ISO format
    "Delivery_Date": timestamp ISO format
    "Service_Days": integer
    "Currency": string
    "Base_Charge": decimal
    "Fuel_Charge": decimal
    "Fuel_Charge_Percentage": decimal
    "Border_Charge": decimal
    "Arbitrary_Charge_Total": decimal
    "Additional_Services_Total": decimal
    "Additional_Services": [ {
        "Charge": string
        "Charge_Amount": decimal
    }],
    "Total_Charge": decimal
    "Terms": string
    "Message": string
    "Error": string
}}

```

Message will contain description of error if one exists.

Terms will contain information if the order has been delayed due to a holiday.

Example:

Null values are optional items – only in message for demo purposes – not required to be present in message

```
{ "OrderSubmission": {
  "Shipment_id": "TEST",
  "Contact_name": "Jas",
  "Contact_email": "PREET@FREIGHT.COM",
  "Contact_phone": null,
  "Contact_phone_ext": null,
  "Contact_cell": null,
  "Confirmed_rate": null,
  "Pickup_FromTime": "2019-01-23T13:00:00.0000000",
  "Pickup_ToTime": "2019-01-23T17:00:00.0000000",
  "Deliver_FromTime": "2019-01-24T09:00:00.0000000",
  "Deliver_ToTime": "2019-01-24T17:00:00.0000000",
  "Shipper": {
    "name": "Group Inc.",
    "street1": "223567 Evans Avenue",
    "street2": null,
    "city": "Toronto",
    "province": "ON",
    "postalcode": "L4T 1J5",
    "country": "US",
    "contact": "Kirk",
    "phone": "416 534 0000",
    "phone_ext": "28",
    "cell": null,
    "email": null,

    "fax": null,

  },
  "Consignee": {
    "name": "Lighting",
    "street1": "312 4th Street",
    "street2": null,
    "city": "Cincinnati",
    "province": "OH",
    "postalcode": "45662",
    "country": "US",
    "contact": null,
    "phone": null,
    "phone_ext": null,
    "cell": null,
    "email": null,

    "fax": null,

  },
}
```

```

"CustomsBroker": {
  "name": "Vandergrift",
  "street1": null,
  "street2": null,
  "city": null,
  "province": null,
  "postalcode": null,
  "country": null,
  "contact": null,
  "phone": null,
  "phone_ext": null,
  "cell": null,
  "email": null,

  "fax": null,

},
"ShipInstructions": {
  "Inside_Pickup_YN": "N",
  "Residential_Pickup_YN": "N",
  "Lifgate_Pickup_YN": "N",
  "Inside_Delivery_YN": "N",
  "Residential_Delivery_YN": "N",
  "Lifgate_Delivery_YN": "N",
  "Appointment_Delivery_YN": "N",
  "Call_Ahead_YN": "N",
  "Do_Not_Stack_YN": "N",
  "Cannot_Travel_With_HAZMAT_YN": null,
  "Fragile_YN": "N",
  "Heat_Required_YN": null,
  "Straight_truck_Pickup_Required_YN": "N",
  "Straight_truck_Delivery_Required_YN": "N",
  "CSA_YN": "N",
  "Barn_Door_YN": "N",
  "In_Bond_YN": "N",
  "Limited_Access_Pickup_YN": "N",
  "Limited_Access_Delivery_YN": "N"

},
"Notes": [
{
  "Type": "Driver_note",
  "Text": ""
},
{
  "Type": "Dispatch_note",
  "Text": "PLEASE PICKUPONFEB06BETWEEN2-49869PO#082828PUREF#40083534WQ03547648"
}
],

```

```

"TraceValues": [
{
  "Type": "Pickup No",
  "Value": "082828"
},
{
  "Type": "Ref No",
  "Value": "WQ03547648"
},
{
  "Type": "Purchase Order No",
  "Value": "40083534"
},
{
  "Type": "Delivery No",
  "Value": ""
}
],
"DetailLines": [
{
  "Seq": "1",
  "Description": "Furniture",
  "Pallets": "2",
  "PalletUOM": null,
  "TotalWeight": "385.00",
  "WeightUOM": null,
  "Class": null,
  "Skid_Dimension1": {
    "Length": "048",
    "Width": "048",
    "Height": "070"
  },
  "Skid_Dimension2": {
    "Length": "048",
    "Width": "048",
    "Height": "070"
  },
  "Skid_Dimension3": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension4": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension5": {
    "Length": null,
    "Width": null,

```

```

        "Height": null
    },
    "Skid_Dimension6": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension7": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension8": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension9": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension10": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension11": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension12": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension13": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension14": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension15": {
        "Length": null,
        "Width": null,

```



```

    "Height": null
  },
  "Skid_Dimension16": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension17": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension18": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension19": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension20": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension21": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension22": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension23": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension24": {
    "Length": null,
    "Width": null,
    "Height": null
  },
  "Skid_Dimension25": {
    "Length": null,
    "Width": null,

```

```

        "Height": null
    },
    "Skid_Dimension26": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension27": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension28": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension29": {
        "Length": null,
        "Width": null,
        "Height": null
    },
    "Skid_Dimension30": {
        "Length": null,
        "Width": null,
        "Height": null
    }
},
{
    "Seq": "2",
    "Description": "Furniture",
    "Pallets": "2",
    "PalletUOM": null,
    "TotalWeight": "385.00",
    "WeightUOM": null,
    "Class": null,
    "Skid_Dimension1": {
        "Length": "048",
        "Width": "048",
        "Height": "070"
    },
    "Skid_Dimension2": {
        "Length": "048",
        "Width": "048",
        "Height": "070"
    }
}
],
"BOL_document": null,
"Customs_document": null

```

}}

```
{
  "OE_Response": {
    "Order_Number": "P1234567",
    "Customer_Name": " NTARIO LTD.",
    "From_PC_ZIP": "L4T 1G7",
    "To_PC_ZIP": "26664",
    "Class": null,
    "Total_Weight_lbs": "332.00",
    "Pallets": "2",
    "Pickup_Date": "2019-02-19T00:00:00.000-05:00",
    "Delivery_Date": "2019-02-22T00:00:00.000-05:00",
    "Service_Days": "3",
    "Currency": "CAD",
    "Base_Charge": "263.0",
    "Fuel_Charge": "51.29",
    "Fuel_Charge_Percentage": "0.195",
    "Border_Charge": "25.0",
    "Arbitrary_Charge_Total": "0.0",
    "Additional_Services_Total": "0.0",
    "Additional_Services": {
      "Charge": null,
      "Charge_Amount": "0.0"
    },
    "Total_Charge": "339.29",
    "Terms": "Minimum rates are only applicable to one single stackable skid under 500 lbs and no greater than L:48\" x W:48\" x H:48\" subject to re-dim and re-weight. 1-4 skid pricing is based on up to a maximum L:48\" x W:48\" x H:72\" skid and 1,800 lbs. Please refer to our <a target=\"_blank\" href=\"http://polaristransport.com/content/downloads/Tariff_PTG_100.pdf\" class=\"terms-conditions-link\">Terms & Conditions</a> for more information.",
    "Message": "Order Posted.",
    "Error": "N"
  }
}
```

Message will contain description of error if one exists

DOCUMENT RETRIEVAL API

URL: <https://api.polaristransport.com:1984/restgateway/services/GetDocumentAPI/GetDocument>

METHOD: GET

PARAMS:

APIKey {string}

Probill {string}:

POD_YN {string}: acceptable values are Y or N (N is the default)

BOL_YN {string}: acceptable values are Y or N (N is the default)

INVOICE_YN {string}: acceptable values are Y or N (N is the default)

CONFIRMATION_YN {string}: acceptable values are Y or N (N is the default)

Note: ONLY 1 requested file can be selected per call

RETURN STRUCTURE:

```
{
  "GetDocument_API_Response": {
    "Probill_Number": string,
    "Document_type": string,
    "Filename": string,
    "File_type": string, <extension of file>
    "FileContent": string, <BASE64 encoded data string>
    "Message": string, <error/warning messages to appear here>
    "Error": string <default is N, if an error exists Y>
  }
}
```

Example:

```
{
  "GetDocument_API_Response": {
    "Probill_Number": "P0759170",
    "Document_type": "POD",
    "Message": "No records found."
    "Error": "Y"
  }
}

{
  "GetDocument_API_Response": {
    "Probill_Number": "P0759170",
    "Document_type": "POD",
    "Filename": "POLWRKVPS03- 021120191447",
    "File_type": "TIF",
    "FileContent": "BASE 64 ENCODED STRING..."
    "Message": null
    "Error": "N"
  }
}
```

DOCUMENT SUBMISSION API

URL: <https://api.polaristransport.com:1984/restgateway/services/PostDocumentAPI/PostDocument>

METHOD: POST

PARAMS:

APIKey {string}

BODY STRUCTURE:

```
{
  "PostDocument": [{
    "Polaris_Probill_Number": string,
    "Polaris_Account_Number": string,
    "Reference_Number": string,
    "Document_type": string, <Can be one of the following: POD, BOL, INVOICE, CONFIRMATION>
    "Filename": string,
    "File_type": string, <extension of file>
    "FileContent": string <BASE64 encoded data string>
  }]
}
```

Notes:

Polaris Probill Number would be ideal, in the absence of that, a combination of Polaris Account Number and Reference Number (Partner Load Confirmation) is required.

RESPONSE STRUCTURE:

```
{
  "PostDocument_API_Response": [{
    "Polaris_Probill_Number": string,
    "Polaris_Account_Number": string,
    "Reference_Number": string,
    "Document_type": string, <Will be one of the following: POD, BOL, INVOICE, CONFIRMATION>
    "Filename": string,
    "File_type": string, <extension of file, TIF or PDF>
    "Error": string, <Y or N>
    "Message": string <Description of error if applicable>
  }]
}
```

Example:

```
{
  "PostDocument": [{
    "Polaris_Probill_Number": "P1004321",
    "Polaris_Account_Number": "",
    "Reference_Number": "",
    "Document_type": "INVOICE",
```

```

    "Filename": "P1004321_Customs",
    "File_type": "TIF",
    "FileContent": "BASE64 encoded data string...."
  },
  {
    "Polaris_Probill_Number": "",
    "Polaris_Account_Number": "X12345",
    "Reference_Number": "L9999",
    "Document_type": "POD",
    "Filename": "L9999_2021-02-25",
    "File_type": "XLSX",
    "FileContent": "BASE64 encoded data string...."
  }
]
}

{
  "PostDocument": [{
    "Polaris_Probill_Number": "P1004321",
    "Polaris_Account_Number": "",
    "Reference_Number": "",
    "Document_type": "INVOICE",
    "Filename": "P1004321_Customs",
    "File_type": "TIF",
    "Error": "N",
    "Message": ""
  },
  {
    "Polaris_Probill_Number": "",
    "Polaris_Account_Number": "X12345",
    "Reference_Number": "L9999",
    "Document_type": "POD",
    "Filename": "L9999_2021-02-25",
    "File_type": "XLSX",
    "Error": "Y",
    "Message": "INVALID FILE TYPE"
  }
]
}

```

TRACE API

URL: <https://api.polaristransport.com:1984/restgateway/services/TraceAPI/Trace>

METHOD: GET

PARAMS:

APIKey {string}

Probill {string} (*Preferably Polaris Probill# but other reference numbers such as your BOL# is ok)

RETURN STRUCTURE:

```
{
```

```

"TRACE_API_Response": {
  "Probill_Number": string,
  "Origin": string,
  "Destination": string,
  "Current_Status": string,
  "Current_Location": string,
  "Pickup_by": dateTime,
  "Pickup_by_end": dateTime,
  "Deliver_by": dateTime,
  "Deliver_by_end": dateTime,
  "Actual_Pickup": dateTime,
  "Actual_Delivery": dateTime,
  "POD_signed_by": string,
  "POD_signed_date": dateTime,
  "Pallets": decimal,
  "Weight_LBS": decimal,
  "Message": string - error/warning messages to appear here
}
}

```

Example:

```

{
  "TRACE_API_Response": {
    "Probill_Number": "P0759170",
    "Origin": "CAMBRIDGE, ON",
    "Destination": "WARREN, MI",
    "Current_Status": "IN TRANSIT",
    "Current_Location": "MISSISSAUGA, ON",
    "Pickup_by": "2016-05-20T08:00:00.000-04:00",
    "Pickup_by_end": "2016-05-20T15:00:00.000-04:00",
    "Deliver_by": "2016-05-24T08:00:00.000-04:00",
    "Deliver_by_end": "2016-05-24T16:00:00.000-04:00",
    "Actual_Pickup": "2016-05-20T14:20:20.000-04:00",
    "Actual_Delivery": null,
    "POD_signed_by": null,
    "POD_signed_date": null,
    "Pallets": "1.0",
    "Weight_LBS": "120.0",
    "Message": null
  }
}

```


TRANSIT TIME API

URL: <https://api.polaristransport.com:1984/restgateway/services/TransitTimeAPI/TransitTime>

METHOD: GET

PARAMS:

APIkey {string}
From_PC_ZIP {string}
To_PC_ZIP {string}
Pickup_Date {DateTime} *optional - will default to current date

RETURN STRUCTURE:

```
{
  "TRANSIT_API_Response": {
    "From_PC_ZIP": string,
    "To_PC_ZIP": string,
    "Pickup_Date": dateTime,
    "Delivery_Date": dateTime,
    "Service_Days": integer,
    "Holiday_during_transit": integer,
    "Message": null - Errors/Warnings will be contained in this message
  }
}
```

Example:

```
{
  "TRANSIT_API_Response": {
    "From_PC_ZIP": "53535",
    "To_PC_ZIP": "L4T 1G7",
    "Pickup_Date": "2016-05-24",
    "Delivery_Date": "2016-05-26",
    "Service_Days": "2",
    "Holiday_during_transit": "1",
    "Message": null
  }
}
```

CLASS RATE API

The Class Rate API only supports cross border rates, i.e. between the US and Canada, or Canada and the US. It does not accommodate domestic shipping rates.

URL: [https://api.polaristransport.com:1984/restgateway/services/Rates/ClassRate?APIKey=\[apikey\]](https://api.polaristransport.com:1984/restgateway/services/Rates/ClassRate?APIKey=[apikey])

METHOD: POST

Request Schema

```
{
  "ClassRate": {
    "Shipment_id": required - unique(cannot be same as for Order),
    "Pickup_FromTime": timestamp ISO format - optional,
    "Pickup_ToTime": timestamp ISO format - optional,
    "Deliver_FromTime": timestamp ISO format,
    "Deliver_ToTime": timestamp ISO format,
    "Shipper": {
      "name": string,
      "street1": string,
      "street2": string,
      "city": string,
      "province": string,
      "postalcode": string,
      "country": string
    },
    "Consignee": {
      "name": string,
      "street1": string,
      "street2": string,
      "city": string,
      "province": string,
      "postalcode": string,
      "country": string
    },
    "ShipInstructions": { optional
      "Inside_Pickup_YN": (Y/N value),
      "Residential_Pickup_YN": (Y/N value),
      "Lifgate_Pickup_YN": (Y/N value),
      "Inside_Delivery_YN": (Y/N value),
      "Residential_Delivery_YN": (Y/N value),
      "Lifgate_Delivery_YN": (Y/N value),
      "Appointment_Delivery_YN": (Y/N value),
      "Call_Ahead_YN": (Y/N value),
      "Do_Not_Stack_YN": (Y/N value),
      "Cannot_Travel_With_HAZMAT_YN": (Y/N value),
      "Fragile_YN": (Y/N value),
      "Heat_Required_YN": (Y/N value),
      "Straight_truck_Pickup_Required_YN": (Y/N value),
    }
  }
}
```

```
"Straight_truck_Delivery_Required_YN": (Y/N value),
"CSA_YN": (Y/N value),
"Barn_Door_YN": (Y/N value),
"Limited_Access_YN": (Y/N value), - Deprecated
"In_Bond_YN": (Y/N value),
"Limited_Access_Pickup_YN": (Y/N value),
"Limited_Access_Delivery_YN": (Y/N value)      },
```

```
"DetailLines": [
  {
    "Seq": string,
    "Description": string,
    "Pallets": integer,
    "TotalWeight": string,
    "WeightUOM": string,
    "Class": string,
    "Skid_Dimension1": {
      "Length": integer,
      "Width": integer,
      "Height": integer
    },
    "Skid_Dimension2": {
      "Length": integer,
      "Width": integer,
      "Height": integer
    },
    "Skid_Dimension3": {
      "Length": integer,
      "Width": integer,
      "Height": integer
    },
    "Skid_Dimension4": {
      "Length": integer,
      "Width": integer,
      "Height": integer
    },
    "Skid_Dimension5": {
      "Length": integer,
      "Width": integer,
      "Height": integer
    }
  }
]
```

Response Schema:

```
{
  "ClassRateResponse": {
    "Order_Number": string,
    "Customer_Name": string,
    "From_PC_ZIP": string,
    "To_PC_ZIP": string,
    "Total_Weight_lbs": decimal,
    "Pallets": integer,
    "Pickup_Date": DateTime,
    "Delivery_Date": DateTime,
    "Service_Days": integer,
    "Currency": string,
    "Base_Charge": decimal,
    "Fuel_Charge": decimal,
    "Fuel_Charge_Percentage": decimal,
    "Border_Charge": decimal,
    "Arbitrary_Charge_Total": decimal,
    "Additional_Services_Total": decimal,
    "Additional_Services": [
      {
        "Charge": string,
        "Charge_Amount": decimal
      }
    ],
    "Total_Charge": decimal,
    "Terms": string, - Error/Warnings appears here
    "Message": string, - Error/Warnings appears here
    "Error": string - Indicates if there was an error - Y/N
  }
}
```

Example Request:-

```
{
  "ClassRate": {
    "Shipment_id": "95168845adaf44aaac9e42f56975f8ec",
    "Pickup_FromTime": "2024-03-09T18:00:00.000000",
    "Pickup_ToTime": "2024-03-11T08:00:00.000000",
    "Deliver_FromTime": "2024-03-13T08:00:00.000000",
    "Deliver_ToTime": "2024-03-13T17:00:00.000000",
    "Shipper": {
      "name": "Treadall",
      "street1": "12",
      "street2": "Morningsun Cres",
      "city": "JANESVILLE",
      "province": "WI",
      "postalcode": "53546",
      "country": "US"
    }
  },
}
```

```

"Consignee": {
  "name": "PTG",
  "street1": "7099 Torbram Rd",
  "street2": "Morningsun Cres",
  "city": "Mississauga",
  "province": "ON",
  "postalcode": "L4T1G7",
  "country": "CA"
},
"ShipInstructions": {
  "Inside_Pickup_YN": "N",
  "Residential_Pickup_YN": "N",
  "Lifgate_Pickup_YN": "N",
  "Inside_Delivery_YN": "N",
  "Residential_Delivery_YN": "Y",
  "Lifgate_Delivery_YN": "N",
  "Appointment_Delivery_YN": "N",
  "Call_Ahead_YN": "N",
  "Do_Not_Stack_YN": "N",
  "Cannot_Travel_With_HAZMAT_YN": "N",
  "Fragile_YN": "N",
  "Heat_Required_YN": "N",
  "Straight_truck_Pickup_Required_YN": "N",
  "Straight_truck_Delivery_Required_YN": "N",
  "CSA_YN": "N",
  "Barn_Door_YN": "N",
  "In_Bond_YN": "N",
  "Limited_Access_Pickup_YN": "N",
  "Limited_Access_Delivery_YN": "N"
},
"DetailLines": [
  {
    "Seq": "1",
    "Description": "rubber mats",
    "Pallets": "1",
    "TotalWeight": "675",
    "WeightUOM": "LB",
    "Class": "70",
    "Skid_Dimension1": {
      "Length": 72,
      "Width": 48,
      "Height": 9
    }
  }
]
}
}

```

Response:-

```
{
  "ClassRateResponse": {
    "Order_Number": "WQ07580538",
    "Customer_Name": "TRANSPORTATION GROUP",
    "From_PC_ZIP": "53546",
    "To_PC_ZIP": "L4T1G7",
    "Total_Weight_lbs": "675",
    "Pallets": "1",
    "Pickup_Date": "2023-09-29",
    "Delivery_Date": "2023-09-30",
    "Service_Days": "3",
    "Currency": "USD",
    "Base_Charge": "968.15",
    "Fuel_Charge": "286.96",
    "Fuel_Charge_Percentage": "0.2964",
    "Border_Charge": "20.0",
    "Arbitrary_Charge_Total": "0.0",
    "Additional_Services_Total": "100.0",
    "Additional_Services": [
      {
        "Charge": "NON COMMERCIAL DELIVERY",
        "Charge_Amount": "100.0"
      }
    ],
    "Total_Charge": "1375.11",
    "Terms": "Minimum rates are only applicable to one single stackable skid under 500 lbs and no greater than L:48\" x W:48\" x H:48\" subject to re-dim and re-weight. 1-4 skid pricing is based on up to a maximum L:48\" x W:48\" x H:72\" skid and 1,500 lbs. Please refer to our <a target=\"_blank\" href=\"http://polaristransport.com/content/downloads/Tariff_PTG_100.pdf\" class=\"terms-conditions-link\">Terms & Conditions</a> for more information.Service Days have been adjusted due to Holidays.",
    "Message": "PASSED VALIDATION.CLASS REMOVED - CLIENT NOT SETUP FOR CLASS RATING.Order Posted.",
    "Error": "N"
  }
}
```

SOAP APIs

Rate API

WSDL: <https://api.polaristransport.com:1984/bcwsGateway/services/RateAPI?wsdl>

Trace API

WSDL: https://api.polaristransport.com:1984/bcwsGateway/services/Trace_Service?wsdl

Transit Time API

WSDL: https://api.polaristransport.com:1984/bcwsGateway/services/TransitTime_Service?wsdl



For the SOAP APIs – you have a choice of using the login id and password you currently use to login to our customer portal or you can enter the API key provided to you as your login id and leave the password blank.

Optional Fields are defined in the WSDL structure provided

TEST URLs

REST

https://test.api.polaristransport.com:1984/restgateway/services/OE_API/OE

<https://test.api.polaristransport.com:1984/restgateway/services/TraceAPI/Trace>

<https://test.api.polaristransport.com:1984/restgateway/services/TransitTimeAPI/TransitTime>

<https://test.api.polaristransport.com:1984/restgateway/services/RateAPI/Rate>

<https://test.api.polaristransport.com:1984/restgateway/services/Rates/ClassRate>

SOAP

<http://10.105.0.38:1880/bcwsgateway/services/OrderAPI?wsdl>

<http://10.105.0.38:1880/bcwsgateway/services/RateAPI?wsdl>

http://10.105.0.38:1880/bcwsgateway/services/Trace_Service?wsdl

http://10.105.0.38:1880/bcwsgateway/services/TransitTime_Service?wsdl

API Key for testing

To be provided on account setup