

# entryLINK System Integration Guide

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This document outlines how third party ERP systems can electronically interchange data with ProVia's entryLINK system. It provides a developer with the needed resources to automate the sign-in process and to create or retrieve order information.

If you have questions or need additional information, please contact ProVia's IT department at 800.669.4711.



## Getting Started

All entryLINK integration is web based and driven by query string parameters (GET requests) to the following URL:

<https://entrylink.provia.com/entrylink/integrate.aspx>

All requests require must include the following query string parameters:

- m - mode
- u - user name

Valid Values for the m (mode) variable are:

- login
- getorders
- getorder
- createorder
- createorderjson
- setcustomer
- setpo
- setjob
- additem
- submitorder
- getpic
- shipmanifest
- ofpm

### Supply the password

The password can be supplied either as a “p” query string parameter (as shown in the links below) or as a request session header named “p”.

## **Mode login**

The “login” mode is used to automatically log a user into the system, bypassing the login screen. You can use an “o” parameter to specify an entryLINK order number, and the user will be taken directly to that order. If the “o” parameter is not specified, the user will be taken to the default index page.

You could use this feature to create a “Show ProVia Order” button inside your application. When the user clicks this button they could be taken directly to the order.

The parameter “SingleQuote=on” will lock the user into only viewing a single quote.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=login&u=demo&p=ProVia01&o=1234567>

## **Portal Logins**

If this is a “portal” login (which requires the “Portal Login” slider to be activated when logging in) add “&ut=2” to the integration URL. Portal logins will be 8-digit numerics.

## **Mode getorders**

The “getorders” mode returns an XML document of open orders in the system. Orders with the following criteria will be included:

- All open orders and quotes entered in the past 30 days.
- All orders currently in progress.
- All orders invoiced in the past 30 days.

For each order, the following fields are included:

- Order Number
- PO Number
- Job Name
- Customer Number
- Customer Location Name
- Status
- Order Date
- Receive Date
- Ship Date
- Sub Total
- Tax
- Total

You could use this feature to get an open order listing, to find the ProVia order number for your PO Number, or to import/synchronize ship dates, etc.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=getorders&u=demo&p=ProVia01>

You can limit the returned results using the following parameters:

- po – filters the PO Number (uses like \*search\* matching)
- job – filters the Job Name (uses like \*search\* matching)

The default response is XML, however “&fmt=json” can be added to the URL to return JSON.

### **Mode getorder**

The “getorder” mode returns an XML document for a specific order in the system. You can use this to import full order details into your system. Use the “o” parameter to specify the entryLINK order number.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=getorder&u=demo&p=ProVia01&o=1234567>

The default response is XML, however “&fmt=json” can be added to the URL to return JSON.

### **Mode createorder**

The “createorder” mode creates a new order in the entryLINK system. The entryLINK order number is returned. The following optional query string parameters can be added:

- po – Your PO Number
- job – Your Job Name
- branch – the ship-to location. Must be a valid ProVia customer number.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=createorder&u=demo&p=ProVia01&po=99754&job=SMITH>

## Mode createorderjson

The “createorderjson” mode allows creating new orders in the entryLINK system by POSTing a JSON payload. A JSON response is returned, containing the order number and a Status (Ok, or an error statement).

You can include “&submit=on” to the querystring; which if included will cause the order to submit if it is error free.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=createorderjson&u=demo&p=ppp>

Example JSON post body:

```
{
  "CustNo": "999001",
  "PONumber": "AAAA",
  "JobName": "BBBB",
  "Lines": [ { "PartNo": "H-SI-45241-19", "Qty": 6},
             { "PartNo": "H-SI-45241-10", "Qty": 12}
            ]
}
```

## Notes

The customer number, PO Number and Job Name are all optional.

The customer must be a valid ProVia ship-to customer number that is visible to that customer login.

### **Mode setcustomer**

The “setcustomer” mode allows you to set the customer information on a specific order. You can either use the portal id to link the order to an existing/repeat customer, or set each field individually for a one time customer.

The following query string parameters are accepted:

- o – entryLINK Order Number (required)
- pid – portal id (if this is specified, the following parameters are not valid and will be ignored.)
- name – the customer’s name
- add1 – customer’s address line 1
- add2 – customer’s address line 2
- city – customer’s city
- state – customer’s state
- zip – customer’s zip-code
- phone – customer’s phone #
- fax – customer’s fax
- email – customer’s email address

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=setcustomer&u=demo&p=ProVia01&o=1234567&name=Jim+Smith&city=Chicago>

### **Mode setpo**

The “setpo” mode allows you to set the PO Number field after an order has been created but in “Unsubmitted” status. The field length is 20 characters, and forced to upper case. The API will return an indication if the PO number is duplicate with another order.

The following query string parameters are accepted:

- o – entryLINK Order Number (required)
- po – Your PO Number

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=setpo&u=demo&p=ProVia01&o=1234567&po=AAAAAA>

### **Mode setjob**

The “**setjob**” mode allows you to set the Job Name field after an order has been created but in “Unsubmitted” status. The field length is 20 characters, and forced to upper case.

The following query string parameters are accepted:

- o – entryLINK Order Number (required)
- job – Your Job Name

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=setjob&u=demo&p=ProVia01&o=1234567&job=SMITH>

### **Mode additem**

The “**additem**” mode allows you to add an item to the order. You must specify the ProVia item number and a quantity. Contact customer service for an item number listing.

NOTE – this feature is most useful for ordering marketing materials or siding and stone products. Ordering configured products (doors and windows) is NOT supported via this method.

The following query string parameters are required:

- o – Order Number
- i – Item Number
- q - Quantity

The system will either return “ok” or error text.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=additem&u=demo&p=ProVia01&o=1234567&i=xxxxx&q=1>

### **Configured Items**

Configured items can be uploaded by POST-ing the property bag (a list of key/value pairs). Place each key/value pair on it’s own line, and separate them with a comma – such as:

Color; white

Width; 36

Height; 80

Contact ProVia for a listing/visibility of the property bag details.

Use the following i (item) code:

ED-Entry Door, VW-Vinyl Window, VP-Vinyl Patio, SD-Storm Door



### **Mode submitorder**

The “**submitorder**” mode allows you to submit the order to ProVia for production. After the order is submitted you will no longer be able to edit it.

NOTE – the order may be in a state where it cannot be submitted. For example, if the order is empty or has a duplicate PO number. In these cases, the API will return error text. If everything is ok it will return blank and the order will be submitted.

The following query string parameters are required:

- o – Order Number

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=submitorder&u=demo&p=ProVia01&o=1234567>

### **Mode getpic**

The “**getpic**” mode returns a URL to a product image.

The following query string parameters are required:

- o – Order Number
- l – Line Number
- v – view direction – either “i” inside or “o” outside (optional)

Example URL:

<https://entrylink.provia.com/entryLINK/integrate.aspx?m=getpic&o=8148936&l=1&v=i&u=Demo&p=pppp>

### **Mode shipmanifest**

The “**shipmanifest**” mode allows you to acquire a shipping manifest of recently shipped orders. In addition, you can add a “fmt” element to the querystring to specify the output format. Valid values are CSV, JSON, and XML.

Example URLs:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=shipmanifest&u=demo&p=ProVia01&fmt=CSV>

<https://entrylink.provia.com/entrylink/integrate.aspx?m=shipmanifest&u=demo&p=ProVia01&fmt=JSON>

<https://entrylink.provia.com/entrylink/integrate.aspx?m=shipmanifest&u=demo&p=ProVia01&fmt=XML>

### **Mode RMAList**

The “**rmaList**” mode allows you to acquire a listing of active RMAs (Return Merchandise Authorizations). You can add a “fmt” element to the querystring to specify the output format. Valid values are CSV, JSON, and XML.

Example URLs:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=rmaList&u=demo&p=ProVia01&fmt=CSV>

<https://entrylink.provia.com/entrylink/integrate.aspx?m=rmaList&u=demo&p=ProVia01&fmt=JSON>

<https://entrylink.provia.com/entrylink/integrate.aspx?m=rmaList&u=demo&p=ProVia01&fmt=XML>

### **Mode OFPM**

The “**OFPM**” mode (Order Fulfillment Prediction Model) allows you to acquire the output from ProVia’s Order Fulfillment Prediction Model, providing guidance on ProVia’s expected delivery dates by product line.

You must provide the “cn” parameter, specifying your ProVia ship-to customer number, as the truck routes and drop-dates vary by location.

The output currently is only CSV.

Example URL:

<https://entrylink.provia.com/entrylink/integrate.aspx?m=ofpm&u=demo&p=ProVia01&cn=999001>