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Web2 – REST API

1.1 Overview

Web2 includes a RESTful API. API can serve data from apps.

1.2 Authentication

The REST API supports Basic Authentication.

The authentication credentials are supplied to the server with an "Authorization" header as part of the request.

The Authorization header value is constructed as follows:

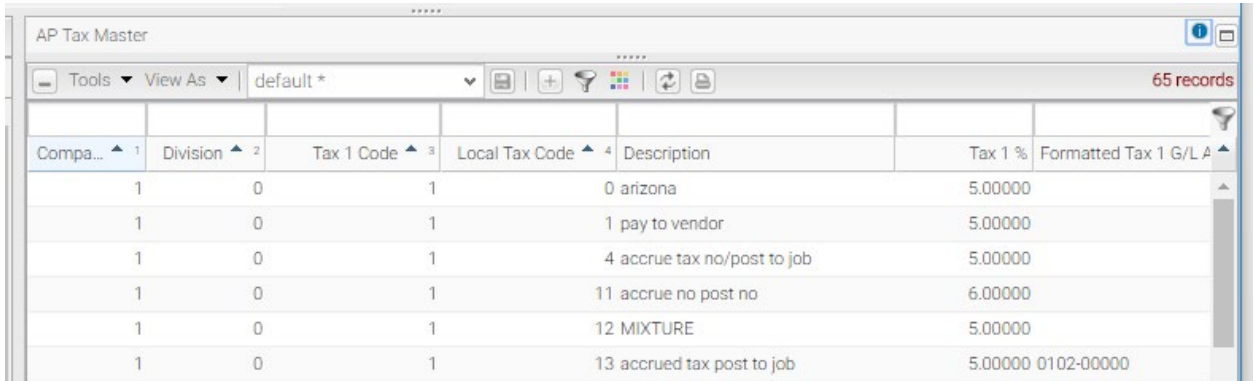
1. The username and password are combined with a single colon.
2. The resulting string is encoded as Base64.
3. The word "Basic" is prepended to the encoded string, separated with a space.

For example, if the browser uses Aladdin as the username and OpenSesame as the password, then the field's value is the base64-encoding of Aladdin:OpenSesame, or QWxhZGRpbjPcGVuU2VzYW1l

1.3 Read

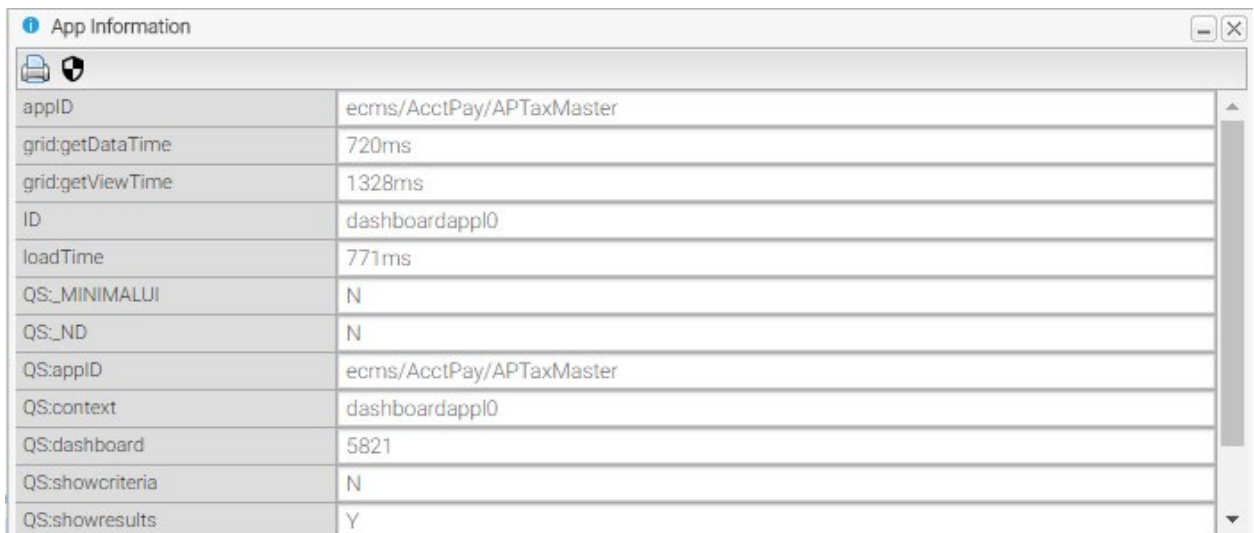
The /api/app endpoint is for interfacing with apps. All apps must be allowed through app security for the authenticating user. Steps to construction app endpoint.

1. Login to web2 application
2. Launch application (menu) you want to access via REST API. Example –



Compa...	Division	Tax 1 Code	Local Tax Code	Description	Tax 1 %	Formatted Tax 1 G/L A
1	0	1		0 arizona	5.00000	
1	0	1		1 pay to vendor	5.00000	
1	0	1		4 accrue tax no/post to job	5.00000	
1	0	1		11 accrue no post no	6.00000	
1	0	1		12 MIXTURE	5.00000	
1	0	1		13 accrued tax post to job	5.00000	0102-00000

- Click on blue icon with i on top right corner and it should bring window similar to below



App Information	
appID	ecms/AcctPay/APTaxMaster
grid:getDataTime	720ms
grid:getViewTime	1328ms
ID	dashboardappl0
loadTime	771ms
QS_MINIMALUI	N
QS_ND	N
QS:appID	ecms/AcctPay/APTaxMaster
QS:context	dashboardappl0
QS:dashboard	5821
QS:showcriteria	N
QS:showresults	Y

- Copy appID and append it to api/app. For example - /api/app/ecms/AcctPay/APTaxMaster
- Additional app parameters can be append to above URL as /api/app/{appid}
/{arg1}/{arg1_value}/{arg2}/{arg2_value}...?{other arguments}
Example - /api/app/ecms/AcctPay/APTaxMaster/COMPANYNO/51/DIVISIONNO/0
- Here is example of REST request

`GET /api/app/ecms/AcctPay/APTaxMaster`

`HOST: 10.1.1.22:8011`

`authorization: Basic QWxhZGRpbjpPcGVuU2VzYW1l`

7. Response content-type would be application/json; charset=utf-8

1.3.1 {other arguments}

These arguments are for the API itself and not passed onto the app. The arguments may be optionally prefixed with _ to avoid a clash with app arguments. These arguments are mostly only applicable to a GET request to fetch data.

- gridID
type = string
The grid ID to return data from. Only required for apps that contain multiple grid's.
default = "grid"
- start
type = integer
The row to start returning results from. In combination with the limit argument this can be used to get pages of results.
default = 1
- limit
type = integer
Limit the number of returned records to the specified value. In combination with the start argument this can be used to get pages of results.
default = unlimited
- fields
type = string
A comma separated list of fields to return. The fields may be expressed as column titles or field names.

- **filter**
type = string
A comma separated list of filter expressions. Refer word reports filter for supported expressions.
- **filterOperator**
type = string
How the filters defined by the filter argument should be logically combined. Valid values "OR" or "AND".
default = AND
- **incSummaries**
type = boolean
Include summaries in the response. In this case the JSON is formatted with a "data" array for the rows and "summaries" array for the summaries.
- **summaries**
type = boolean
Only return the summaries, not the data rows.
- **rawColumns**
type = boolean
Return the data using the column names in the app rather than the column titles.
- **sortBy**
type = string

A comma separated list of sort expressions. A sort expression is simply the field name to sort ascending. To sort descending include DESC after the field name or prefix the field name with - (a minus sign)