

The Devtrac API is based on Drupal's [Services module](#). For reading data several Views are available. For Saving, the standard node.save functionality are available.

Standard documentation

This is a list of links to parts of the documentation on drupal.org that are of interest. Overview of how to test the interface, and the standard calls (retrieve, update, etc) <http://drupal.org/node/790416>
For debugging, installing the [Firefox Poster plugin](#) is highly recommended.

But the most detailed example of how to login, read views & post content to Drupal, using jQuery, jQuery Mobile and PhoneGap is here <http://tylerfrankenstein.com/code/android-app-with-drupal-7-services-phonegap-and-jquery-mobile>

Authenticating

The test environment will have a user:

username: tester2
password: B11ckberry

This user will have 1 Field Trip (node 5752) with 1 place and 1 open action item.

Views

All things that the Mobile app needs to download come from Drupal Views. You can call a view by using a PUT statement with a URL like
`http://<SERVER>/api/views/api_vocabularies`
if you want the result of the view back as .json instead of xml, just add .json
`http://<SERVER>/api/views/api_vocabularies.json`

Some views have parameters, you can add them like:

`http://<SERVER>/api/views/api_vocabularies?display_id=placetypes`
This will show the same view, but with the placetypes display. Also filters will use parameters

List of Placetypes

`http://<SERVER>/api/views/api_vocabularies?display_id=placetypes`

`http://<SERVER>/api/views/api_vocabularies?display_id=placetypes`

Shows a list of placetypes

raw XML format (per item)

`<item>`

`<taxonomy_term_data_taxonomy_term_hierarchy_name>Water Points</`

`taxonomy_term_data_taxonomy_term_hierarchy_name>`

`<taxonomy_term_data_taxonomy_term_hierarchy_vid>1</`

```

taxonomy_term_data_taxonomy_term_hierarchy_vid>
  <taxonomy_term_data_taxonomy_term_hierarchy_tid>23</
taxonomy_term_data_taxonomy_term_hierarchy_tid>
  <taxonomy_term_data_taxonomy_term_hierarchy__taxonomy_vocabul>vocabulary_1</
taxonomy_term_data_taxonomy_term_hierarchy__taxonomy_vocabul>
  <taxonomy_term_data_name>Borehole</taxonomy_term_data_name>
  <taxonomy_term_data_vid>1</taxonomy_term_data_vid>
  <tid>204</tid>
  <taxonomy_vocabulary_machine_name>vocabulary_1</
taxonomy_vocabulary_machine_name>
</item>

```

Field	Meaning	
taxonomy_term_data_taxonomy_term_hierarchy_name	Name of the Parent	No
taxonomy_term_data_taxonomy_term_hierarchy_vid	Vocabulary ID of the Parent	
taxonomy_term_data_taxonomy_term_hierarchy_tid	Parent Term ID	
taxonomy_term_data_taxonomy_term_hierarchy__taxonomy_vocabul	Vocabulary Name of the Parent	
taxonomy_term_data_name	Term Name	
taxonomy_term_data_vid	Vocabulary Id	
tid	TermId	
taxonomy_vocabulary_machine_name	Term Vocabulary Id	

What you can show to the users are the Name of the Parent and the Term Name. Users can NOT select Parents (so, not School, but only Secondary School).

It is now planned that all Terms that now have 'Others' as their parent, will move one level up (so they are in the first level. So, all Terms that do NOT have children, should be selectable.

List of OECD codes

http://<SERVER>/api/views/api_vocabularies?display_id=oeed

Has the same structure as placetypes. Some different rules:

You can NOT select Alive, Safe & Learning. For now you can select the others. (There will be 1

more you can not select)

List of Users

`http://<SERVER>api/views/api_user?display_id=users&offset=0&limit=0&filters[active]=1&filters[created]=2011-02-01 00:00:00`

created = date since last check. Only shows new users since this time.

status=1 > only show active users

status=0 > only show inactive users

Not including status returns all users (you want to be careful with using this one without a date in the future when we have millions of users.)

There is some fields returned. Here are the relevant ones:

Field	Meaning
uid	User ID
realname_realname	The display name of the user. Users who have not provided Firstname + Lastname will show as %1 %2
users_name	user login name (ugly, but exists)

List of Site Visits for a Field Trip

List of Open Action Items for a Field Trip

Get Current Field Trip

There will be a full call for this.

To load your field strip now do (sorry, this will work from somewhere tomorrow onwards. this node does not exist in the test-database yet)

<http://devtrac.mountbatten.net:8001/api/node/5752.json>

That will give you the full node, in json

Saving a Site Visit