

OpenAtlas - Feature #1691

API: Selecting relations to be returned

2022-04-11 11:34 - Andreas Olschnögger

Status:	Closed	Start date:	2022-04-11
Priority:	Normal	Estimated time:	0.00 hour
Assignee:	Bernhard Koschiček-Krombholz		
Category:	API		
Target version:	7.3.0		
Description			
<p>Often not all relations that are returned from the api are needed. When loading many entities this leads to an extreme overhead and also to longer loading times. Therefore it would be great if one could specify which relations one wants to get back. For example if I want to return all Actors with</p> <pre>https://connec.openatlas.eu/api/0.3/query/?view_classes=actor&limit=100&show=relations</pre> <p>and I only need the relation Types "crm:P11i participated in" and "crm:OA7 has relationship to" a solution like</p> <pre>https://connec.openatlas.eu/api/0.3/query/?view_classes=actor&limit=100&show=relations?relationType=crm:P11i?relationType=crm:OA7</pre> <p>would be a good solution.</p> <p>Note that this is not a filter option for entities but only limits how much data is returned.</p>			

History

#1 - 2022-04-11 15:21 - Alexander Watzinger

- Subject changed from *Selecting relations to be returned by the api* to *API: Selecting relations to be returned*
- Status changed from *New* to *Assigned*

Sounds like an interesting challenge and a viable suggested solution which could improve performance for presentation sites a lot. I leave the technical details to you two but thanks for writing an issue for that.

#2 - 2022-04-19 11:57 - Bernhard Koschiček-Krombholz

- Status changed from *Assigned* to *Resolved*
- Target version set to *7.3.0*

Thank you for the issue. It is currently resolved in develop branch.

The parameter is *relation_type* since we also have this notation with other parameters. Change to camelCase is possible, since API version 0.3 is not officially stable, but we have to change all parameters then (-> breaking changes -> discussion at developer meeting)

Example usage:

```
/api/0.3/view_class/place?relation_type=P2&relation_type=P67
```

It is not currently possible to use *i* for inverse. If it is really necessary, we can talk about it.

With this function, the backend is also a little faster. Now only links with the given property codes together with P53 (for geometry), P2 (for types) and P67 (for external references and depictions), if they called with *show*, will be requested. Therefore, lesser calls are made.

#3 - 2022-04-20 14:51 - Bernhard Koschiček-Krombholz

- Status changed from *Resolved* to *Closed*