

EDIT - task #3485

object graph returned by REST services can be specified by initstrategy

05/21/2013 12:21 PM - Andreas Kohlbecker

Status:	New	Start date:	
Priority:	New	Due date:	
Assignee:	Andreas Kohlbecker	% Done:	0%
Category:	cdmlib-remote	Estimated time:	0:00 hour
Target version:			
Severity:	normal		

Description

The extend of the object graph returned by REST services is defined by three mechanisms:

1. The CardinalityPropertyFilter
2. Bean initialization strategies defined in the web service controllers
3. The AutoPropertyInitializer

see [CdmRestServicesEntitySerialization](#) and [CdmEntityInitialization](#) for more on this.

The two main REST service sections: generic REST API, Portal REST API are configured differently whereas the generic api id returning rather atomized entities and the portal service returns rather big object graphs.

Both service section could be merged into one if it would be possible to request for a specific object graph by supplying a `initStrategy` to the REST service. This would not only simplify the REST service layer but would also mean to improve the performance of client applications as the data portal since it would be possible to request exactly for the data which is needed.

Basically two things must be implemented for this:

1. All REST controllers must generally allow to specify the object bounds in form of an `initStrategy` / property path as request parameter: e.g.: `bounds=media,authors.titleCache` the properties defined in this parameter must be initialized and also those defined in the `AutoPropertyInitializer`

What is a good name for this parameter? `properties`, `bounds`, ... ???

1. The serialization must also respect this request parameter and thus must only serialize the

properties defined in the `initStrategy` of in the `AutoPropertyInitializer`s. It seems as if the `BeanInitializer` is the best place to implement this. The `BeanInitializer` therefore set all unwanted properties to `NULL`. Null properties are not initialized.

History

#1 - 05/21/2013 12:21 PM - Andreas Kohlbecker

- Subject changed from *object graph returned by REST services and be specified by initstrategy to object graph returned by REST services can be specified by initstrategy*

#2 - 01/20/2021 07:49 PM - Andreas Müller

- Subject changed from *object graph returned by REST services can be specified by initstrategy to object graph returned by REST services can be specified by initstrategy*

- Description updated

- Private changed from Yes to No

target version is missing! Is this still an open issue?