

Arvados - Feature #8498

[SDKs] GoSDK arvadosclient parameters are more transparent

02/19/2016 02:58 PM - Joshua Randall

Status:	New	Start date:	02/19/2016
Priority:	Normal	Due date:	
Assigned To:		% Done:	0%
Category:	SDKs	Estimated time:	0.00 hour
Target version:	Arvados Future Sprints		

Description

Currently, one passes a generic 'arvadosclient.Dict' (actually a 'map[string]interface{}') to an API request in order to specify parameters of the request.

It would be nice if there was a more structured (and semantically meaningful) interface to set the parameters.

The sort of thing I would like to do would be to be able to take something currently written like this (example extracted from datamanager):

```
fieldsWanted := []string{"manifest_text",
    "owner_uuid",
    "uuid",
    "redundancy",
    "modified_at"}

sdkParams := arvadosclient.Dict{
    "select": fieldsWanted,
    "order": []string{"modified_at ASC"},
    "filters": [][]string{[]string{"modified_at", ">=", "1900-01-01T00:00:00Z"}}}

sdkParams["filters"].([][]string)[0][2] = latestModificationDate.Format(time.RFC3339)
```

And instead write it rather more like:

```
import arv "git.curoverse.com/arvados.git/sdk/go/arvadosclient"
listParams := arv.ListParams(
    arv.Select("manifest_text", "owner_uuid", "uuid", "redundancy", "modified_at"),
    arv.Order("modified_at ASC"),
    arv.Filters(arv.Filter{"modified_at", ">=", "1900-01-01T00:00:00Z"})
)
listParams.Filters[0].value = latestModificationDate.Format(time.RFC3339)
```

History

#1 - 02/23/2016 04:23 PM - Brett Smith

- Subject changed from more transparent arvadosclient parameters (Go SDK) to [SDKs] GoSDK arvadosclient parameters are more transparent

#2 - 02/23/2016 04:24 PM - Brett Smith

- Target version set to Arvados Future Sprints