TS018203269 - Missing full folder hierarchy for "name": "rulePackage" (label=folder) property value of a business rule in the DC Rest API

Case history

9 Jan 2025

12:16 PM AEDT **Jatin Khanna** (Customer)
Hi Palgun,
Thanks for your response. I can see from your example using the get list of project folders as a supplementary api call that it's possible to get listing of all the project folders and from that using the "parentId" <-> "id" we may be able to infer the folder hierarchy of the business rule. Attached our json response (response_1736383031102.json). However, this process appears to cumbersome, clunky, laborious and unscalable for our deployment given:
- We have up to 3000 business rules that we are reporting for in our rule project.
- Folder hierarchies that run up-to 5 levels
- Recessive lookup of the parentId until we find "null" to derive the full folder path is laborious.

Our concerns when Decision Center business rule details tab show the full path why shouldn't the retrieve list of query (and other RESTAPI's) return the full path?
Thanks,
Jatin

12:16 PM AEDT **Jatin Khanna** (Customer) changed Status from *Awaiting your feedback* to *Waiting for IBM*.

8 Jan 2025

08:55 PM AEDT **Phalgun.gopaluni** (IBM)
Hello Jatin,
I found a work around for this case:-
If you run a list of elements returned by a query API with Project ID and Query ID you will receive output as
{
"name": "rulePackage",
"value": "Regions",
"label": "Folder"
},
with help of above rule package information you can find out the full folder hierarchy by running list of folders of a project API
Example:-
I see in my API result below , i want to know the hierarchy of borrower , i see it is in Project brm.RuleProject : 2:2

```
"name": "checkAge",
"definition": "definitions\n  set 'minAge' to 0; \n  set 'maxAge' to 150;\n\nif \n  it
"project": "brm.RuleProject:2:2",
"rulePackage": "brm.RulePackage:3:3",
"properties": [
  {
    "name": "active",
    "value": "true",
    "label": "Active"
  },
  {
    "name": "categories",
    "value": "[]",
    "label": "Categories"
  },
  {
    "name": "createdBy",
    "value": "Paul",
    "label": "Created By"
  },
  {
    "name": "createdOn",
    "value": "Thu Jun 22 17:36:44 PDT 2023",
    "label": "Created On"
  },
  {
    "name": "documentation",
    "value": "Ensure the age of the borrower is correct",
    "label": "Documentation"
  },
  {
    "name": "rulePackage",
    "value": "borrower",
    "label": "Folder"
```

When i run the list of folders of a project API (curl -X 'GET' \
'http://localhost:9090/decisioncenter-api/v1/projects/359be0d1-38c8-4d01-ad76-4d879da1ec96/folders (http://localhost:9090/decisioncenter-api/v1/projects/359be0d1-38c8-4d01-ad76-4d879da1ec96/folders)' \
-H 'accept: */*' \
-H 'Authorization: Basic b2RtQWRtaW46b2RtQWRtaW4=') , with the help of Project ID we can see Hierarchy as follow:-
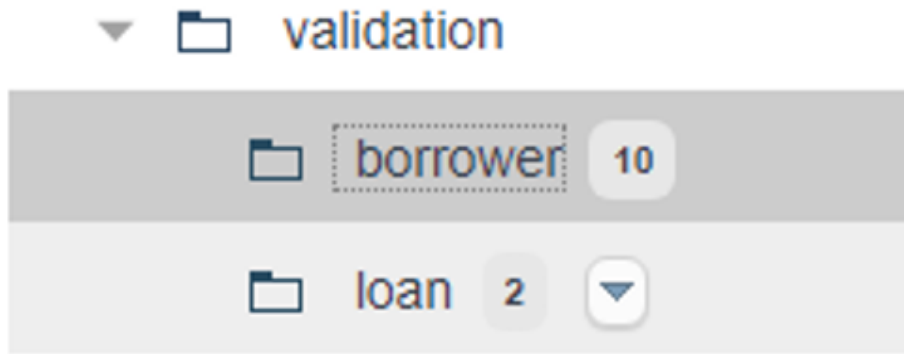
```
200
Response body
{
  "elements": [
    {
      "id": "d73ae58b-f6c9-41e2-8e2e-1160f3e965db",
      "internalId": "brm.RulePackage:3:3",
      "name": "borrower",
      "parentId": "brm.RulePackage:2:2",
      "projectName": "Loan Validation Check"
    },
    {
      "id": "d964a314-487c-43ef-9940-b0726a8fc55f",
      "internalId": "brm.RulePackage:4:4",
      "name": "loan",
      "parentId": "brm.RulePackage:2:2",
      "projectName": "Loan Validation Check"
    },
    {
      "id": "278f8627-849d-4dd4-b5a0-feda2ecf3c5a",
      "internalId": "brm.RulePackage:2:2",
      "name": "validation",
      "parentId": null,
      "projectName": "Loan Validation Check"
    }
  ],
  "totalCount": 3,
  "number": 0,
  "size": 3
}
```

Borrower parent id & Loan parent id are he internal id of Validation from above screen shot.
here is the folder structure:-

This is the work around we have , we need to run 2 API to get this , its a standard behaviour of ODM.
Kindly let us know if you have any queries on this.
Regards,
Phalgun Gopaluni
IBM ODM Support Engineer

08:55 PM AEDT **Phalgun.gopaluni** (IBM) changed Status from *IBM is working* to *Awaiting your feedback*.

04:19 PM AEDT **Phalgun.gopaluni** (IBM)
Hello Jatin,
Thank you for reaching out to ODM support. My name is Phalgun Gopaluni, and I am assigned to handle your inquiry.
Let me re create the scenario and will return back as soon as possible.
Regards,
Phalgun Gopaluni
IBM ODM Support Engineer

04:19 PM AEDT **Phalgun.gopaluni** (IBM) changed Status from *New Case* to *IBM is working*.

03:36 PM AEDT **Jatin Khanna** (Customer) created this case