Qlik NodeGraph Best Practices

1 Incremental reloads

Incremental reloads are ok and supported by NodeGraph.

E.g. if the QVD is reloaded and saved to the same qvd file it will have a reference to itself and as long as the same source it\s used the incoming links will be ok.

If incremental loads are used and different workflows are used, e.g. sometimes a full reload is done and sometimes an incremental reload, pending on a schedule or input parameters and the same QVW.file is used then the log files will be overwritten and something needs to be done in order to get full and complete lineage. Best practice:

- Create one QVW for full reload
- Create one QVW for partial reload

Then each workflow will create one logfile and full lineage will be shown in NodeGraph.

2 Solutions for Rename using

NodeGraph does not yet support rename using, there are 2 solutions for this:

1. A loop that simulates a RENAME FIELDS USING with RENAME FIELD instead
2. Read the source of mapping table used for renaming fields

2.1 Simulate RENAME FIELDS USING with RENAME FIELD

Solution provided by Rob Wunderlich (qlikviewcookbook.com). Since rename using is not supported the same functionality can be achieved using rename field instead within a loop.

Before changes it looks like this:

```
//Load up the Field Rename map
FieldNameMap:
MAPPING
LOAD Field,
     NewFieldName
FROM
[..\10_Include\FieldAttributes.xlsx]
(ooxml, embedded labels, table is Sales)
WHERE len(NewFieldName) > 0
;
RENAME FIELDS USING FieldNameMap;
```

After changes it looks like this

```
FieldNameMap:
MAPPING
LOAD Field,
     NewFieldName
FROM
[..\10_Include\FieldAttributes.xlsx]
(ooxml, embedded labels, table is Sales)
WHERE len(NewFieldName) > 0

//RENAME FIELDS USING FieldNameMap;
$(Include=RenameUsingMap.qvs);
CALL RenameUsingMap('FieldNameMap')
```

And you have put this SUB routine in a script file namned RenameUsingMap.qvs:

```
SUB RenameUsingMap (_mapname)
            FOR _vTableNo = 0 to NoOfTables()-1
                        Let _vTableName = TableName($(_vTableNo));
                        FOR _vFieldNo = 1 to NoOfFields('$(_vTableName)');
                                    IF
len(ApplyMap('$(_mapname)',FieldName($(_vFieldNo),'$(_vTableName)'),'')) > 0 THEN
                                                LET _vFieldName =
FieldName($(_vFieldNo),'$(_vTableName)');
                                                LET _vNewFieldName =
ApplyMap('$(_mapname)','$(_vFieldName)','');
                                                RENAME FIELD [$(_vFieldName)] TO
[$(_vNewFieldName)];
                                    ENDIF
                        NEXT _vFieldNo
            NEXT _vTableNo
            // Clean up temp variables
            SET _vTableNo=;
```

```
            SET _vTableName=;
            SET _vFieldNo=;
            SET _vFieldName=;
            SET _vNewFieldName=;
ENDSUB
```

2.2 Solution for rename using when reading the mapping source

When a mapping table named mp_rename is used for renaming fields e.g. `rename fields using mp_rename` then add this script row to the script and NodeGraph will read the source and add the renames.

```
trace !!nodegraph "usingmap" "mp_rename" "C:\qv\tmpmapping.csv";
```

Replace "mp_rename" with the name you have called your rename table.
Export your rename table to a csv file and place it on disk then refer to that path.

Leave as is in red and change green text

```
trace !!nodegraph "usingmap" "mp_rename" "C:\qv\tmpmapping.csv";
```