# Auto – removing redundant columns and measures

This instruction will allow you to significantly reduce the time for deleting unnecessary columns and measures from the analyzed report.

# Start Structure of Source Folder:

Изображение выглядит как текст

Автоматически созданное описание

# Setup Tabular Editor options and Prepare the Sources

First, need to create rules and custom scripts into Tabular Editor:

1. Find Export AllColumns script by path: “BPA Scripts/Export AllColumns Tabular Editor.txt”
2. Find Export AllMeasures script by path: “BPA Scripts/Export AllMeasures Tabular Editor.txt”
3. Go to the BPA Rules and create Rules:
   1. GetColumnsToDelete. (How to add necessary expression to Editor read below)

Изображение выглядит как текст

Автоматически созданное описание

* 1. GetMeasuresToDelete (How to add necessary expression to Editor read below)

Изображение выглядит как текст

Автоматически созданное описание

* 1. GetRole/Sort/RelationColumns with expression: ( Table.RowLevelSecurity.Any(it <> null)) or UsedInSortBy.Any() or UsedInRelationships.Any()

Изображение выглядит как текст

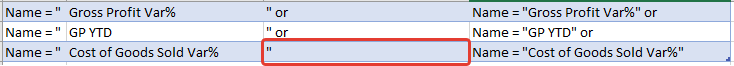
Автоматически созданное описание

* 1. Add fix “” for each new rule. Go to the “C:\Users\%USER%\AppData\Local\TabularEditor\BPARules.json”, find new rules and add the fix expression:

Изображение выглядит как текст

Автоматически созданное описание

1. Open the Report and turn off Auto DateTime
2. Open the Tabular Editor and:
   1. Run Custom script and Export **All measures** to Source Folder. You will get AllMeasures.tsv file. Need to rename definition to “.csv”
   2. Export **All report columns** to Source Folder. Change the definition from “.tsv” to “.csv”
   3. Go to the BPA Analyzer and Copy and Paste the **Columns used in Roles, Sort and relations** to Columns\_Used\_In\_Roles\_Sort\_Relations.xlsx file into the Source Folder
3. Export **All Metadata** from PBI Helper, Visualization page to Source folder.
4. Open the Template Audit.pbix and Connect Source Folder with parameter “SourceFolder”.
5. Go to the Table View/Fact Result table, Open “AutoDelete Columns&Measures.xlsx” and:
   1. Filter Fact Result Table:
      1. Object Type: Column
      2. Can Be Deleted: Yes
   2. Copy Name column and paste it to Excel – List 2, A column
   3. Copy Table Name column and paste it to Excel – List 2, D column
   4. Check down of the table, align it and delete last “or” – List 2, E column



* 1. Open the Tabular Editor Rules Editor
  2. Select the “GetColumnsToDelete” rule and press “Edit Rule”
  3. Paste contents of F column from List 2 to the Rule Expression Editor window, then press OK and back to BPA

Изображение выглядит как текст

Автоматически созданное описание

* 1. Do the same sequence of operations for the **list of measures** to be removed

# Delete redundant columns and measures

* 1. Now, you can apply fixes for these rules automatically:

Изображение выглядит как текст

Автоматически созданное описание