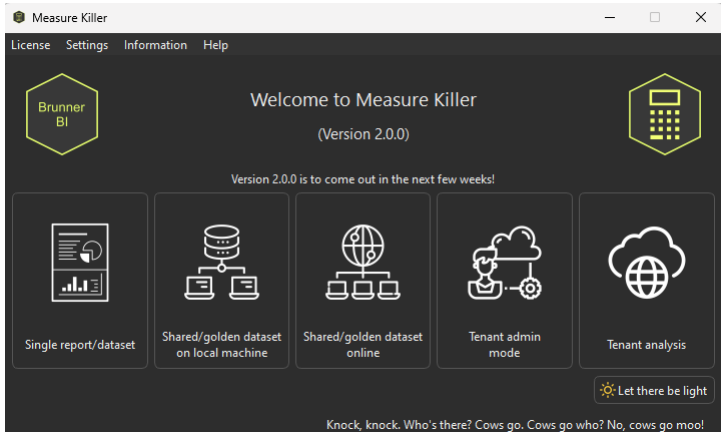
Measure Killer

external tool for Microsoft Power BI



Feature list:

-Finding all unused columns and measures
-Analyzing shared/golden datasets with all connected reports (Power BI, Paginated and Analyze in Excel files)
-Full lineage including personal workspaces and child/downstream models
-Tenant Analysis (scanning all datasets and reports) in Premium, Fabric, Pro and Personal workspaces.
-Best Practice Analysis for your whole tenant (see which semantic models are the biggest violators)
-Access tab (see who has access to what in your Power BI and Fabric environment)
-Brand new mode for Analysis Services (only migrate what is currently used in reports)
-Find all custom visuals used in your tenant

Power BI Tenant Analysis

Provides a meta analysis of your Power BI tenant with unique insights

Only requires an installation of Measure Killer + a tenant admin user

Tackles unique issues for admins:

Full lineage (data source -> visual) including Personal workspaces

Custom visual usage in your tenant

Who is building Report-level measures where?

Analysis of Personal workspaces

Which models LocalDateTables, number of calculated columns or bi-directional relationships

Best practice analyzer for all models in your tenant

Access Tab (who has access to what)

Searching M and DAX code on a tenant level (finding where database views are used etc.)

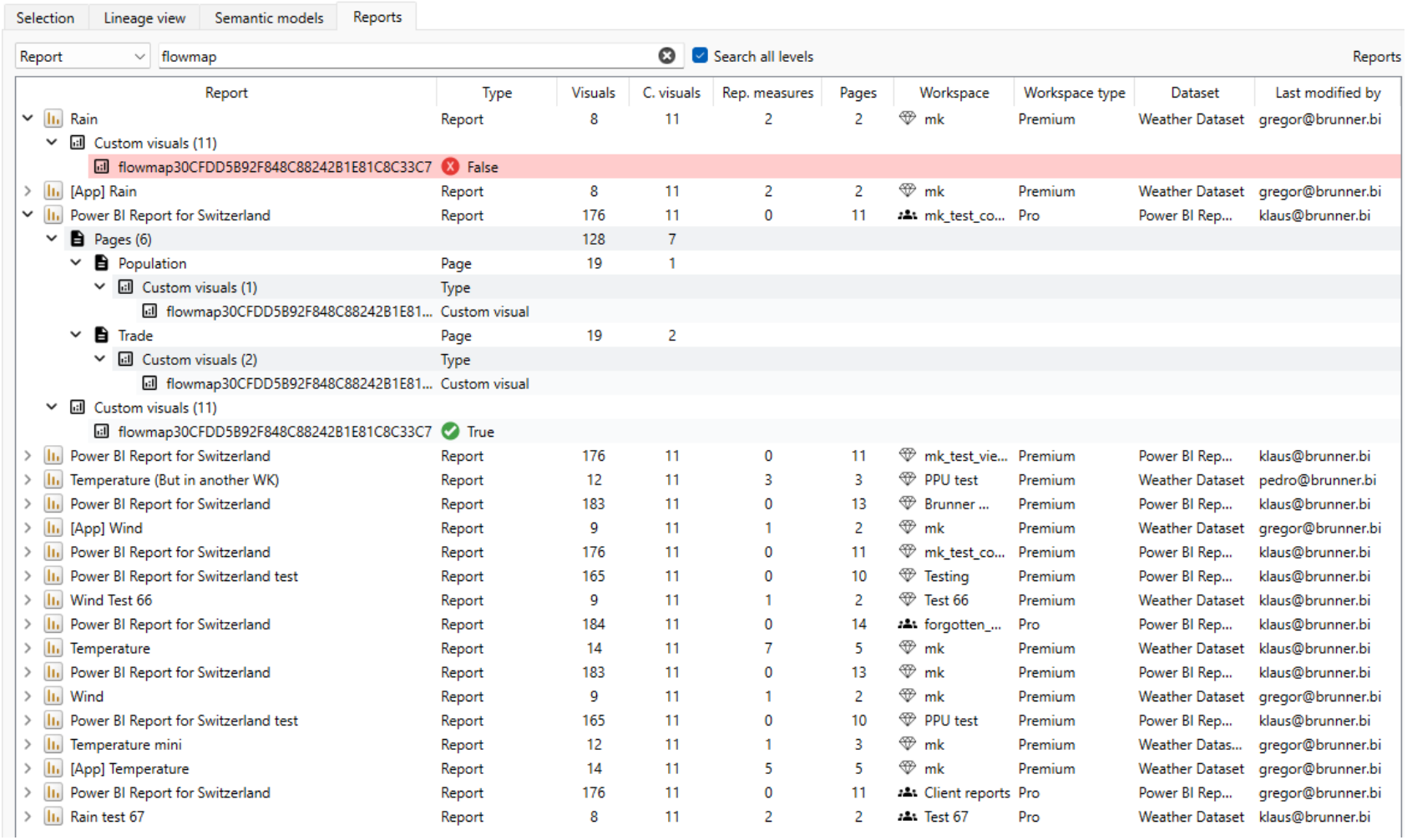
Power BI Tenant analysis

See all semantic models in your tenant

Name	Type	Source	Source type	Size	Calc. Cols	Reports	Status	Last modified by
imdb_dataset	Semantic model	imdb	Premium	1.9 GB	1	6	Analyzed	gregor@brunner.bi
Tables (6)				1.9 GB	1			
people	Table			1.0 GB	0			
title principals	Table			678.7 MB	0			
titles	Table			107.7 MB	0			
basic info	Table			78.2 MB	1			
Columns (9)				78.0 MB				
Calculated Columns (1)				144.9 kB				
ratings	Table			49.1 MB	0			
_Measures	Table			0.0 B	0			
Relationships (3)								
Measures (4)								
Connected Reports (6)								
imdb_us_full_file	Semantic model	Testing	Premium	1.1 GB	0	1	Analyzed	pedro@brunner.bi
Dataset	Semantic model	TEST_PPU_...	Premium	299.7 MB	1	3	Analyzed	
SAB Design	Semantic model	SAB Datase...	Premium	299.6 MB	1	0	Analyzed	
Golden Model (Testing Measure Killer)	Semantic model	Golden ...	Premium	246.2 MB	0	2	Analyzed	
Hybrid Test	Semantic model	PPU test	Premium	204.3 MB	6	1	Analyzed	klaus@brunner.bi
mess	Semantic model	mk	Premium	172.0 MB	1403	1	Analyzed	klaus@brunner.bi
Local date tables (167)				90.1 MB	1002			
Tables (53)				82.0 MB	401			
Relationships (194)								
Measures (165)								
Connected Reports (1)								

Power BI Tenant analysis

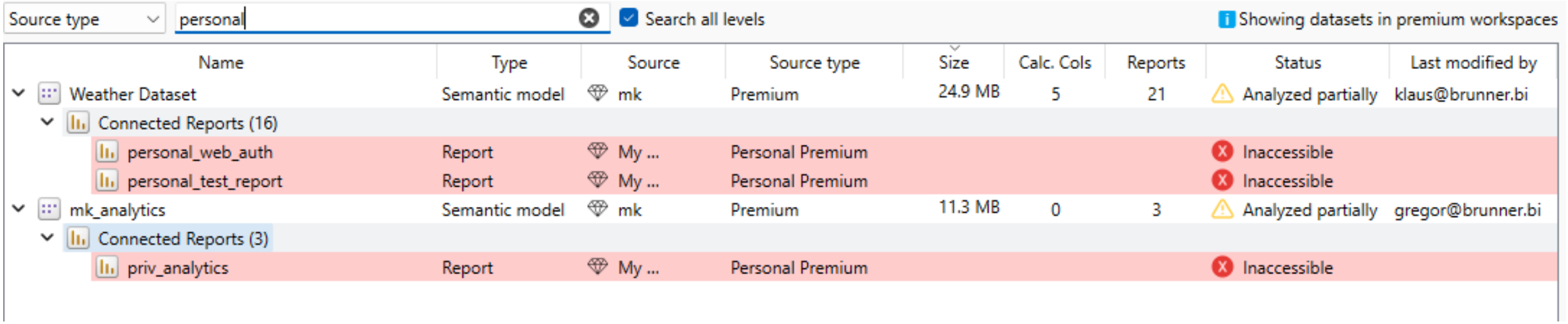
See where custom visuals are used – search for them on a tenant-level and see if they are certified or not



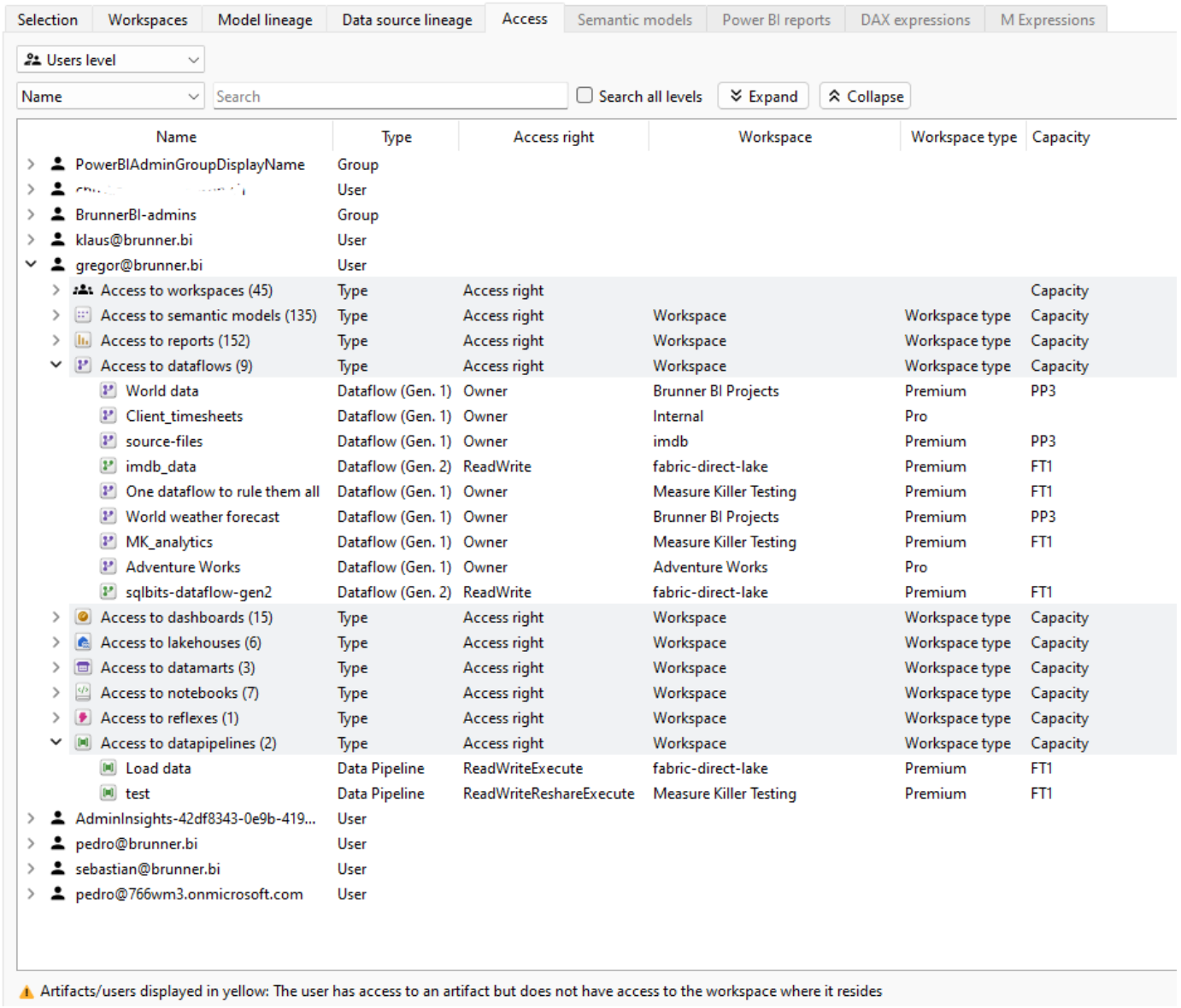
Report	Type	Visuals	C. visuals	Rep. measures	Pages	Workspace	Workspace type	Dataset	Last modified by
Rain	Report	8	11	2	2	mk	Premium	Weather Dataset	gregor@brunner.bi
Custom visuals (11)									
flowmap30CFDD5B92F848C88242B1E81C8C33C7	False								
[App] Rain	Report	8	11	2	2	mk	Premium	Weather Dataset	gregor@brunner.bi
Power BI Report for Switzerland	Report	176	11	0	11	mk_test_co...	Pro	Power BI Rep...	klaus@brunner.bi
Pages (6)		128	7						
Population	Page	19	1						
Custom visuals (1)	Type								
flowmap30CFDD5B92F848C88242B1E81...	Custom visual								
Trade	Page	19	2						
Custom visuals (2)	Type								
flowmap30CFDD5B92F848C88242B1E81...	Custom visual								
Custom visuals (11)									
flowmap30CFDD5B92F848C88242B1E81C8C33C7	True								
Power BI Report for Switzerland	Report	176	11	0	11	mk_test_vie...	Premium	Power BI Rep...	klaus@brunner.bi
Temperature (But in another WK)	Report	12	11	3	3	PPU test	Premium	Weather Dataset	pedro@brunner.bi
Power BI Report for Switzerland	Report	183	11	0	13	Brunner ...	Premium	Power BI Rep...	klaus@brunner.bi
[App] Wind	Report	9	11	1	2	mk	Premium	Weather Dataset	gregor@brunner.bi
Power BI Report for Switzerland	Report	176	11	0	11	mk_test_co...	Premium	Power BI Rep...	klaus@brunner.bi
Power BI Report for Switzerland test	Report	165	11	0	10	Testing	Premium	Power BI Rep...	klaus@brunner.bi
Wind Test 66	Report	9	11	1	2	Test 66	Premium	Weather Dataset	klaus@brunner.bi
Power BI Report for Switzerland	Report	184	11	0	14	forgotten_...	Pro	Power BI Rep...	klaus@brunner.bi
Temperature	Report	14	11	7	5	mk	Premium	Weather Dataset	klaus@brunner.bi
Power BI Report for Switzerland	Report	183	11	0	13	mk	Premium	Power BI Rep...	klaus@brunner.bi
Wind	Report	9	11	1	2	mk	Premium	Weather Dataset	gregor@brunner.bi
Power BI Report for Switzerland test	Report	165	11	0	10	PPU test	Premium	Power BI Rep...	klaus@brunner.bi
Temperature mini	Report	12	11	1	3	mk	Premium	Weather Datas...	gregor@brunner.bi
[App] Temperature	Report	14	11	5	5	mk	Premium	Weather Dataset	gregor@brunner.bi
Power BI Report for Switzerland	Report	176	11	0	11	Client reports	Pro	Power BI Rep...	gregor@brunner.bi
Rain test 67	Report	8	11	2	2	Test 67	Pro	Weather Dataset	klaus@brunner.bi

Power BI Tenant analysis

See who is building reports in personal workspaces on productive datasets



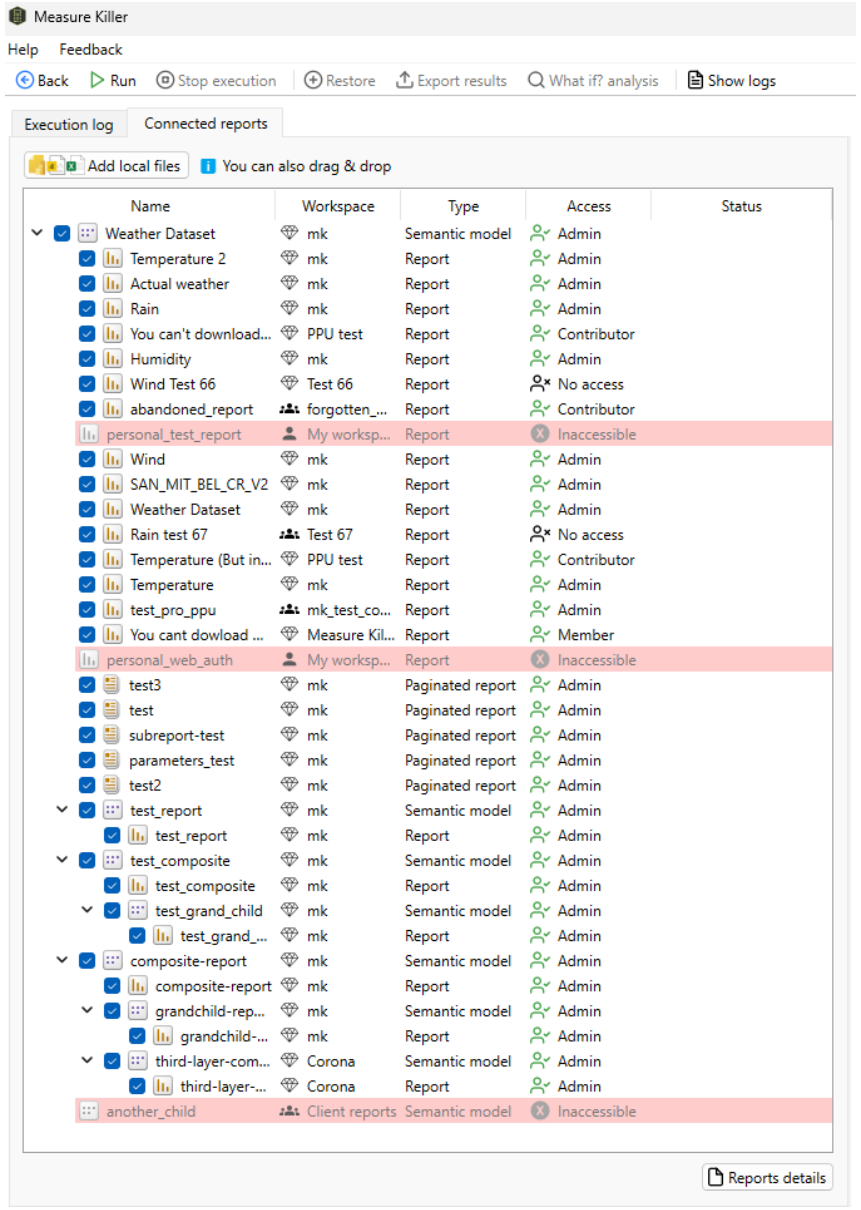
Tenant Analysis - Access



See which users or groups have what access across the whole tenant.

This includes Power BI and Fabric and shows workspace level and artifact level (models, reports, dashboards, dataflows etc.)

Full lineage in Tenant Admin Mode



Name	Workspace	Type	Access	Status
Weather Dataset	mk	Semantic model	Admin	
Temperature 2	mk	Report	Admin	
Actual weather	mk	Report	Admin	
Rain	mk	Report	Admin	
You can't download...	PPU test	Report	Contributor	
Humidity	mk	Report	Admin	
Wind Test 66	Test 66	Report	No access	
abandoned_report	forgotten_...	Report	Contributor	
personal_test_report	My worksp...	Report	Inaccessible	
Wind	mk	Report	Admin	
SAN_MIT_BEL_CR_V2	mk	Report	Admin	
Weather Dataset	mk	Report	Admin	
Rain test 67	Test 67	Report	No access	
Temperature (But in...	PPU test	Report	Contributor	
Temperature	mk	Report	Admin	
test_pro_ppu	mk_test_co...	Report	Admin	
You cant dowload ...	Measure Kil...	Report	Member	
personal_web_auth	My worksp...	Report	Inaccessible	
test3	mk	Paginated report	Admin	
test	mk	Paginated report	Admin	
subreport-test	mk	Paginated report	Admin	
parameters_test	mk	Paginated report	Admin	
test2	mk	Paginated report	Admin	
test_report	mk	Semantic model	Admin	
test_report	mk	Report	Admin	
test_composite	mk	Semantic model	Admin	
test_composite	mk	Report	Admin	
test_grand_child	mk	Semantic model	Admin	
test_grand_...	mk	Report	Admin	
composite-report	mk	Semantic model	Admin	
composite-report	mk	Report	Admin	
grandchild-rep...	mk	Semantic model	Admin	
grandchild-...	mk	Report	Admin	
third-layer-com...	Corona	Semantic model	Admin	
third-layer-...	Corona	Report	Admin	
another_child	Client reports	Semantic model	Inaccessible	

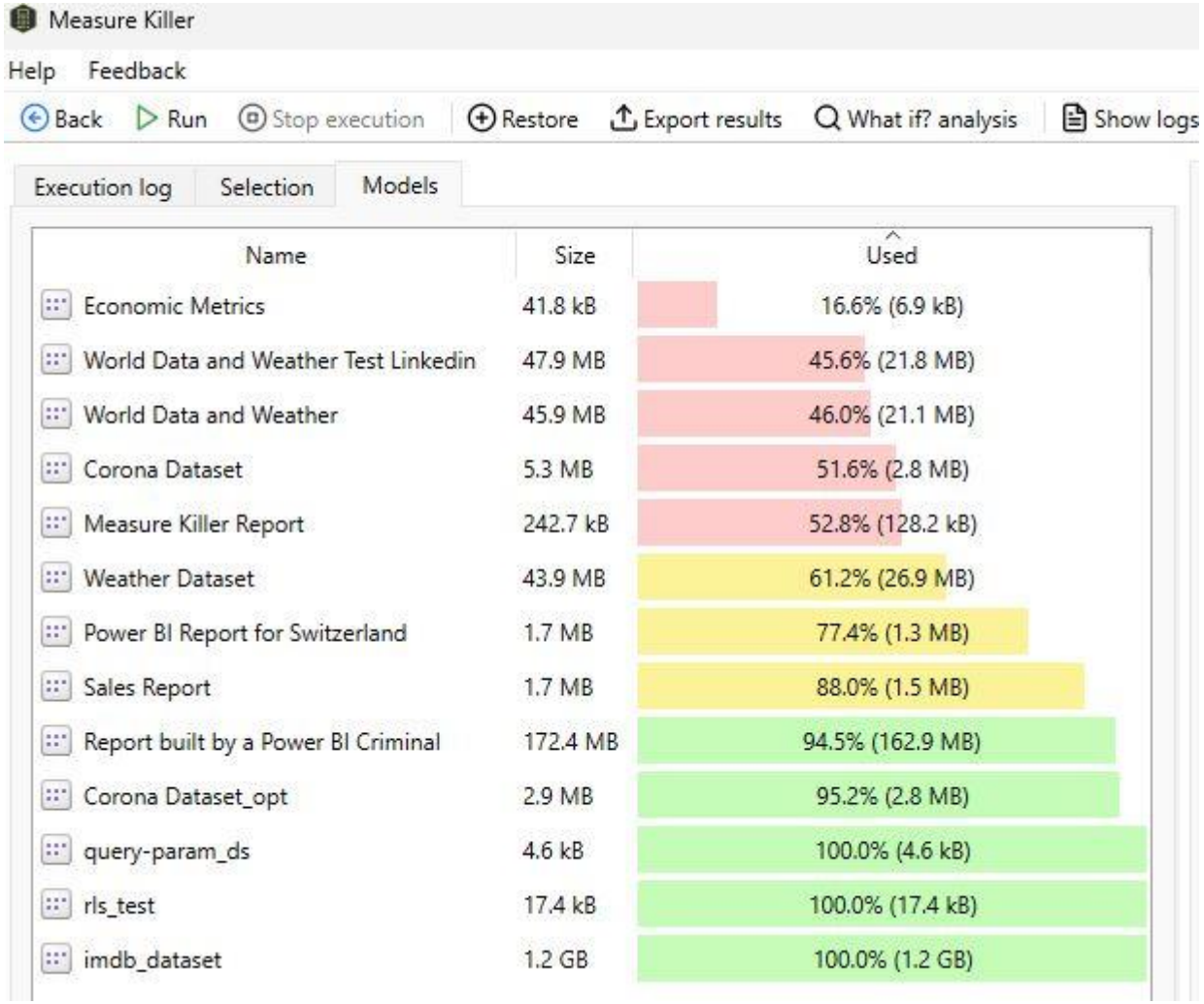
This includes downstream/child semantic models (composite models).
You can also see if someone built a report on top of the dataset you are analyzing in their personal workspace.

As always, you have full flexibility to take out reports or add local files.

The tool will find Power BI reports, Paginated Reports and Analyze in Excel files automatically.

Brunner BI

Analyze multiple models at once



Analyze all major semantic models in your tenant at once and see which one has the biggest potential for optimization.

Brunner BI

Reach out

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