

Navigation to item in FUAM workspace

FUAM_Lakehouse

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Meta information

Scope FUAM Plus release 2025.4.1 or above

Created at 2025-03-15 | Updated at 2025-04-02

Created by Kevin Thomas and Gellert Gintli

Target table	Description	FUAM_Lakehouse Table operation	Created by Kevin Thomas and Go Data transformation	ellert Gintli Data ingestion	Historical copy	Referenced end-to-end pipeline	E2E pipeline parameters	Additional link
active_items	Contains each item of the fabric tenant. The load process	Merge,	Notebook	Copy Activity in Pipeline	Yes, as a file	Pipeline	• display_data	https://learn.microsoft.com/en-
active items history	uses a merge	items which are not present in the latest load are marked with fuam_deleted = True	[02_Transfer_Active_Items_Unit]	to FUAM_Lakehouse -> Files [Load_Items_E2E]	It is generated when the notebook is running.	[Load_Items_E2E]		us/rest/api/fabric/admin/items/list- items?tabs=HTTP
active_items_history	Daily snapshot of active_items table	Appends daily snapshot. Overwrite, if day already exists.						
activities	Contains activity events from the whole tenant	Append (specific) With data overwrite, that has been fetched in the last load and already exists in the table (overlapping days will be	Notebook [02_Transfer_Activities_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Activities_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Activities_E2E]	display_dataactivity_days_in_scope range: [030]	Admin - Get Activity Events - REST API (Power BI Power BI REST APIs) Microsoft Learn
aggregated_activities_last_30days	Aggregation of activities containing last 30 days in order	deleted and re-inserted) Overwrites	Notebook	Aggregates data from activities	No	Pipeline	display_data	Operation list - Microsoft Fabric Microsoft Learn
audit_granted_ws_access_for_analyzer	to speed up PBI reports Audit log for optimization module	data from last load Appends	[03_Aggregate_Activities_Unit] Notebook	FUAM_Lakehouse table and writes to aggregated table	Not needed.	[Load_Activities_E2E] Pipeline	top_n_semantic_models_per_cap	Admin - Groups AddUserAsAdmin - REST
		new results, if access has been grated to user/app	[01_Check_and_Grant_SP_Access_for_Semant ic_Model_Analyzer]		Not needed.	[Run_Semantic_Model_Analyzer_E 2E]	acity display_data keyvault_name analyzer_principal_type analyzer_entity	API (Power BI Power BI REST APIs) Microsoft Learn
calendar	Automatic generated calendar table. This table contains columns which are used in semantic model for 'Time	Overwrites data from last load	Notebook [Generate_Calendar_Table]	Generate in Notebook to FUAM_Lakehouse -> Delta Table	No Not needed.	Pipeline [Load_Basic_Package_Sequentially	analyzer_entity analyzer_mode display_data	
capacities	Intelligence' purposes. Therefore, this notebook must be executed on daily basis. Contains current capacity information	Merge,	Notebook	[Generate_Calendar_Table] Copy Activity in Pipeline	Yes, as a file	_E2E] Pipeline	• display_data	https://learn.microsoft.com/en-
capacity matrice by item by operation by day	Most fine granular capacity metrics data by Item,	capacities which are not present in the latest load are marked with fuam_deleted = True	[01_Transfer_Capacities_Unit] Notebook	to FUAM_Lakehouse -> Files [Load_Capacities_E2E] From Capacity Metrics semantic	It is generated when the notebook is running.	[Load_Capacities_E2E]	metric_days_in_scope	us/rest/api/fabric/core/capacities/list-capacities?tabs=HTTP
capacity_metrics_by_item_by_operation_by_day	Operation, Day	Merges data from last load	[03_Transfer_CapacityMetricData_ItemOpera tion_Unit]	model to FUAM_Lakehouse	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Capacity_Metrics_E2E]	metric_days_in_scopemetric_workspacemetric_datasetdisplay_data	https://learn.microsoft.com/en- us/fabric/enterprise/metrics-app-compute- page https://learn.microsoft.com/en-
capacity_metrics_by_item_kind_by_day	Aggregated capacity metrics data by Workspace, Kind, Day	Merges data from last load	Notebook [02_Transfer_CapacityMetricData_ItemKind_	From Capacity Metrics semantic model to FUAM_Lakehouse	Yes, as a file It is generated when the	Pipeline [Load_Capacity_Metrics_E2E]	metric_days_in_scope metric_workspace	us/fabric/admin/operation-list https://learn.microsoft.com/en- us/fabric/enterprise/metrics-app-compute-
capacity_metrics_by_timepoint	Most fine granular data regarding time. Has 30 seconds	Merges	Unit] Notebook	From Capacity Metrics semantic	notebook is running. Yes, as a file	Pipeline	metric_dataset display_data metric_days_in_scope	https://learn.microsoft.com/en-
capacity_refreshable_days	utilization info per capacity	data from last load Overwrites	[01_Transfer_CapacityMetricData_Timepoints _Unit]	model to FUAM_Lakehouse	It is generated when the notebook is running.	[Load_Capacity_Metrics_E2E]	 metric_workspace metric_dataset display_data 	us/fabric/enterprise/metrics-app-compute- page Admin - Get Refreshables - REST API (Power
capacity_refreshable_details		data from last load Appends daily snapshot data from last load						BI Power BI REST APIs) Microsoft Learn Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
capacity_refreshable_summaries	Contains capacity refreshable information (scheduled semantic models) from each Powre BI Premium and/or	Appends daily snapshot data from last load	Notebook [01_Transfer_Capacity_Refreshables_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files	Yes, as a file It is generated when the	Pipeline [Load_Capacity_Refreshables_E2E]	• display_data	Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
capacity_refreshable_times	Fabric capacities.	Overwrites data from last load	[[Load_Capacity_Refreshables_E2E]	notebook is running.	[]		Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
capacity_refreshables	_	Overwrites data from last load						Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
Target table	Description	Table operation	Data transformation	Data ingestion	Historical copy	Referenced end-to-end pipeline	E2E pipeline parameters	Additional link
capacity_regions	Contains the coordinates and location of the central point of the city, where a Azure Data Center is located. Last update of this static table definition is Jan-2025	Inserts/overwrites data from static source by deploying or upgrading FUAM	Notebook [Deploy_FUAM_*]	Static dataframe to FUAM_Lakehouse	No Not needed.			Azure global infrastructure experience
dashboards	Contains all existing "Dashboard" items from the last tenant API scan. Includes elements located in a workspace with Premium/Embedded or Fabric capacity attached.	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
dataflows	Dashboard tile items are currently not extracted. Contains all existing "Dataflow" items from the last tenant API scan. Includes elements located in a	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files	Yes, as a file It is generated when the	Pipeline [Load_Inventory_E2E]	has_tenant_domains extract_powerbi_artifacts_only	
	workspace with Premium/Embedded or Fabric capacity attached. The attribute "Generation" defines whether the dataflow has "Gen1" or "Gen2" generation.			[Load_Inventory_E2E]	notebook is running.	, , , , , , , , , , , , , , , , , , ,	• display_data	
datasource_instances	Contains all existing connection objects from the last tenant API scan, which are associated/used within the items from the scanned workspaces.	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domains extract_powerbi_artifacts_only display_data	
	The raw JSON result has a dynamic schema. The notebook extracts all additional attributes with connectionDetails.*, where the data source specific attributes are defined.			[Load_Inventory_Eze]	notebook is running.		• display_data	
delegated_tenant_settings_overrides	Contains all explicitly changed/defined delegated tenant settings overrides by capacity by snapshot.	Appends daily snapshot data from last load	Notebook [01_Transfer_Delegated_Tenant_Settings_Ove rrides_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Delegated_Tenant_Settings_O	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Tenant_Settings_E2E]	display_data	
environments	Contains all existing "Environment" items from the last tenant API scan. Items are included, which located in a	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	verrides_E2E] Copy Activity in Pipeline to FUAM_Lakehouse -> Files	Yes, as a file It is generated when the	Pipeline [Load_Inventory_E2E]	has_tenant_domains extract_powerbi_artifacts_only	
	workspace with attached Premium/Embedded or Fabric capacity. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false."			[Load_Inventory_E2E]	notebook is running.		• display_data	
eventhouses	Contains all existing "Eventhouse" items from the last tenant API scan. Items are included, which located in a workspace with attached Premium/Embedded or Fabric capacity. The attached "KQL-Database" items are	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
	extracted separately. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false."							
eventstreams	Contains all existing "eventstreams" items from the last tenant API scan. Items are included, which located in a workspace with attached Premium/Embedded or Fabric capacity.	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
git_connections	This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false." Contains all existing "git connections" for the associated Workspace.	Merges data from last load	Notebook [01_Transfer_Git_Connections_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files	Yes, as a file It is generated when the	Pipeline [Load_Git_Connections_E2E]	• display_data	
kql_databases	Contains all existing "KQL-Database" items from the last tenant API scan. Items are included, which located in a	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	[Load_Git_Connections_E2E] Copy Activity in Pipeline to FUAM_Lakehouse -> Files	notebook is running. Yes, as a file It is generated when the	Pipeline [Load_Inventory_E2E]	has_tenant_domains extract_powerbi_artifacts_only	
	workspace with attached Premium/Embedded or Fabric capacity. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false."			[Load_Inventory_E2E]	notebook is running.		• display_data	
lakehouses	Contains all existing "Lakehouse" items from the last tenant API scan. Items are included, which located in a workspace with attached Premium/Embedded or Fabric capacity.	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
notebooks	capacity. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false." Contains all existing "Notebook" items from the last	Overwrites	Notebook	Copy Activity in Pipeline	Yes, as a file	Pipeline	has_tenant_domains	
	tenant API scan. Items are included, which located in a workspace with attached Premium/Embedded or Fabric capacity. This element type is extracted if the pipeline parameter	data from last load	[01_Transfer_Incremental_Inventory_Unit]	to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	It is generated when the notebook is running.	[Load_Inventory_E2E]	 extract_powerbi_artifacts_only display_data 	
pipelines	"extract_powerbi_artifacts_only" is set to "false." Contains all existing "Pipeline" items from the last tenant API scan. Items are included, which located in a	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files	Yes, as a file It is generated when the	Pipeline [Load_Inventory_E2E]	has_tenant_domains extract_powerbi_artifacts_only	
	workspace with attached Premium/Embedded or Fabric capacity. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false."			[Load_Inventory_E2E]	notebook is running.		display_data	
reflexes	Contains all existing "Reflex" items from the last tenant API scan. Items are included, which located in a workspace with attached Premium/Embedded or Fabric capacity.	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
reports	This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false." Contains all existing "Report" items from the last tenant	Overwrites	Notebook [01 Transfer Ingramental Inventory Unit]	Copy Activity in Pipeline	Yes, as a file	Pipeline	has_tenant_domains ovtract_neworki_artifacts_enly	
	API scan. Includes elements located in a workspace with Premium/Embedded or Fabric capacity attached. The attribute "ReportType" defines whether the report has "PowerBIReport" or "PaginatedReport" types.	data from last load	[01_Transfer_Incremental_Inventory_Unit]	to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	It is generated when the notebook is running.	[Load_Inventory_E2E]	extract_powerbi_artifacts_onlydisplay_data	
Target table semantic_model_analyzer_runs	Description Contains all executed semantic model analyzer runs with	Table operation Appends	Data transformation Notebook	Data ingestion Connects to semantic model via	Historical copy No.	Referenced end-to-end pipeline Pipeline	E2E pipeline parameterstop_n_semantic_models_per_cap	Additional link
,	additional information like "CompatibilityMode" or "TotalSize" of semantic model. One row represents one run for a given semantic model.	new record from analysed semantic model.	[02_Run_Semantic_Model_Analyzer]	semantic-link-labs and runs gathered data to FUAM_Lakehouse		[Run_Semantic_Model_Analyzer_E 2E]	acity display_data keyvault_name analyzer_principal_type	
	The "AnalyzerMode" attribute defines what kind of analysis has been executed. Please find more details to analyzer modes within the training documentation and/or technical documentation						analyzer_entity analyzer_mode	
semantic_model_bpa_results	of FUAM Plus. Contains all "Best Practice Analyzer Violations", which have been detected during a semantic model analyzer run for the given semantic model.	Appends new record from	Notebook [02_Run_Semantic_Model_Analyzer]	Connects to semantic model via semantic-link-labs and runs	No.	Pipeline [Run_Semantic_Model_Analyzer_E	top_n_semantic_models_per_cap acity display data	
	run for the given semantic model. Based on the selected "analyzer_mode" parameter, the notebook checks different BPA rules. Please find more details to analyzer modes within the	analysed semantic model.		gathered data to FUAM_Lakehouse			 display_data keyvault_name analyzer_principal_type analyzer_entity analyzer_mode 	
semantic_model_bpa_rule_catalog	training documentation and/or technical documentation of FUAM Plus. Pre-defined set of BPA (Best Practice Analyzer) rules of	Inserts/overwrites	Notebook	Static dataframe to	No		, ,	Best practice rules to improve your
semantic_model_content_types	semantic models. This static table maps the "ContentProviderType"	data from static source by deploying or upgrading FUAM Inserts/overwrites	[Deploy_FUAM_*] Notebook	FUAM_Lakehouse Static dataframe to	Not needed.			model's performance Microsoft Power BI Blog Microsoft Power BI
	attribute from the "semantic_models" delta table to friendly names and also contains attributes if a semantic model type is included in the semantic model analyzer or not.	data from static source by deploying or upgrading FUAM	[Deploy_FUAM_*]	FUAM_Lakehouse	Not needed.			
semantic_model_vertipaq_relationships	Contains all relationships within a given semantic model, which have been detected during a semantic model analyzer run for the given semantic model.	Appends new record from analysed semantic model.	Notebook [02_Run_Semantic_Model_Analyzer]	Connects to semantic model via semantic-link-labs and runs gathered data to FUAM_Lakehouse	No.	Pipeline [Run_Semantic_Model_Analyzer_E 2E]	 top_n_semantic_models_per_cap acity display_data keyvault_name 	
	Contains all the state of			0.000			analyzer_principal_typeanalyzer_entityanalyzer_mode	
semantic_model_vertipaq_tables	Contains all tables within a given semantic model, which have been detected during a semantic model analyzer run for the given semantic model.	Appends new record from analysed semantic model.	Notebook [02_Run_Semantic_Model_Analyzer]	Connects to semantic model via semantic-link-labs and runs gathered data to FUAM_Lakehouse	No.	Pipeline [Run_Semantic_Model_Analyzer_E 2E]	top_n_semantic_models_per_cap acity display_data keyvault_name applyzer_principal_type	
semantic_models	Contains all existing "Semantic model" items from the	Overwrites	Notebook	Copy Activity in Pipeline	Yes, as a file	Pipeline	 analyzer_principal_type analyzer_entity analyzer_mode has_tenant_domains 	
Jennanice_HIUdelS	Contains all existing "Semantic model" items from the last tenant API scan. Includes elements located in a workspace with Premium/Embedded or Fabric capacity attached.	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	 has_tenant_domains extract_powerbi_artifacts_only display_data 	
tenant_settings	Contains all tenant level settings by snapshot. Enabled security group members are extracted in a separat delta table.	Appends daily snapshot data from last load	Notebook [01_Transfer_Tenant_Admin_Settings_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Tenant_Settings_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Tenant_Settings_E2E]	• display_data	
warehouses	Contains all existing "Warehouse" items from the last tenant API scan. Items are included, which located in a workspace with attached Premium/Embedded or Fabric	Overwrites data from last load	Notebook [01_Transfer_Incremental_Inventory_Unit]	Copy Activity in Pipeline to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Inventory_E2E]	has_tenant_domains extract_powerbi_artifacts_only display_data	
workspace_monitoring_reports	capacity. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to "false." Contains detected workspace monitoring report	Overwrites	Notebook	Reads files from last inventory scan	No	Pipeline		
workspace_monitoring_reports workspaces	templates, which have been deployed in workspaces. Contains workspaces, which are attached to the	data from last load Overwrites	[02_Extract_Workspace_Monitoring_Reports_ Unit] Notebook	and extract specific items Copy Activity in Pipeline	Not needed. Yes, as a file	[Load_Inventory_E2E] Pipeline	has_tenant_domains	
workspaces_scanned_users	capacities Contains all EntralD objects (Users, Groups, Apps) from	data from last load Overwrites	[02_Transfer_Workspaces_Unit] Notebook	to FUAM_Lakehouse -> Files [Load_PBI_Workspaces_E2E] Copy Activity in Pipeline	It is generated when the notebook is running. Yes, as a file	[Load_PBI_Workspaces_E2E] Pipeline	extract_powerbi_artifacts_only display_data has_tenant_domains	
	the last tenant API scan, which have access to the scanned workspaces.	data from last load	[01_Transfer_Incremental_Inventory_Unit]	to FUAM_Lakehouse -> Files [Load_Inventory_E2E]	It is generated when the notebook is running.	[Load_Inventory_E2E]	extract_powerbi_artifacts_onlydisplay_data	