

Target table	Description	Table operation	Data transformation	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 uses a merge	Merge , items which are not present in the latest load are marked with fuam_deleted = True	Notebook [02_Transfer_Active_Items_Unit]	Copy Activity in Pipeline to FUAM Lakehouse -> Files [Load_Items_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Items_E2E]	<ul style="list-style-type: none">display_data	https://learn.microsoft.com/en-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 deleted and re-inserted)	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]	<ul style="list-style-type: none">display_dataactivity_days_in_scope range: [0..30]	Admin - Get Activity Events - REST API (Power BI Power BI REST APIs) Microsoft Learn Operation list - Microsoft Fabric Microsoft Learn
aggregated_activities_last_30days	Aggregation of activities containing last 30 days in order to speed up PBI reports	Overwrites data from last load	Notebook [03_Aggregate_Activities_Unit]	Aggregates data from activities FUAM_Lakehouse table and writes to aggregated table	No Not needed.	Pipeline [Load_Activities_E2E]	<ul style="list-style-type: none">display_data	
audit_granted_ws_access_for_analyzer	Audit log for optimization module	Appends new results, if access has been grated to user/app	Notebook [01_Check_and_Grant_SP_Access_for_Semantic_Model_Analyzer]		No Not needed.	Pipeline [Run_Semantic_Model_Analyzer_E2E]	<ul style="list-style-type: none">top_n_semantic_models_per_capacitydisplay_datakeyvault_nameanalyzer_principal_typeanalyzer_entityanalyzer_mode	Admin - Groups AddUserAsAdmin - REST 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 Intelligence' purposes. Therefore, this notebook must be executed on daily basis.	Overwrites data from last load	Notebook [Generate_Calendar_Table]	Generate in Notebook to FUAM Lakehouse -> Delta Table [Generate_Calendar_Table]	No Not needed.	Pipeline [Load_Basic_Package_Sequentially_E2E]	<ul style="list-style-type: none">display_data	
capacities	Contains current capacity information	Merge , capacities which are not present in the latest load are marked with fuam_deleted = True	Notebook [01_Transfer_Capacities_Unit]	Copy Activity in Pipeline to FUAM Lakehouse -> Files [Load_Capacities_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Capacities_E2E]	<ul style="list-style-type: none">display_data	https://learn.microsoft.com/en-us/fabric/core/capacities/list-capacities?tabs=HTTP
capacity_metrics_by_item_by_operation_by_day	Most fine granular capacity metrics data by Item, Operation, Day	Merges data from last load	Notebook [03_Transfer_CapacityMetricData_ItemOperation_Unit]	From Capacity Metrics semantic model to FUAM_Lakehouse	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Capacity_Metrics_E2E]	<ul style="list-style-type: none">metric_days_in_scopemetric_workspacemetric_datasetdisplay_data	https://learn.microsoft.com/en-us/fabric/enterprise/metrics-app-compute-page https://learn.microsoft.com/en-us/fabric/admin/operation-list
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_Unit]	From Capacity Metrics semantic model to FUAM_Lakehouse	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Capacity_Metrics_E2E]	<ul style="list-style-type: none">metric_days_in_scopemetric_workspacemetric_datasetdisplay_data	https://learn.microsoft.com/en-us/fabric/enterprise/metrics-app-compute-page
capacity_metrics_by_timepoint	Most fine granular data regarding time. Has 30 seconds utilization info per capacity	Merges data from last load	Notebook [01_Transfer_CapacityMetricData_Timepoints_Unit]	From Capacity Metrics semantic model to FUAM_Lakehouse	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Capacity_Metrics_E2E]	<ul style="list-style-type: none">metric_days_in_scopemetric_workspacemetric_datasetdisplay_data	https://learn.microsoft.com/en-us/fabric/enterprise/metrics-app-compute-page
capacity_refreshable_days	Contains capacity refreshable information (scheduled semantic models) from each Powre BI Premium and/or Fabric capacities.	Overwrites data from last load	Notebook [01_Transfer_Capacity_Refreshables_Unit]	Copy Activity in Pipeline to FUAM Lakehouse -> Files [Load_Capacity_Refreshables_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Capacity_Refreshables_E2E]	<ul style="list-style-type: none">display_data	Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
capacity_refreshable_details		Appends daily snapshot data from last load						Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
capacity_refreshable_summaries		Appends daily snapshot data from last load						Admin - Get Refreshables - REST API (Power BI Power BI REST APIs) Microsoft Learn
capacity_refreshable_times		Overwrites data from last load						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
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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. Dashboard tile items are currently not extracted.	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
dataflows	Contains all existing "Dataflow" items from the last tenant API scan. Includes elements located in a workspace with Premium/Embedded or Fabric capacity attached. The attribute "Generation" defines whether the dataflow has " Gen1 " or " Gen2 " generation.	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_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. The raw JSON result has a dynamic schema. The notebook extracts all additional attributes with connectionDetails*, where the data source specific attributes are defined.	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_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_Overrides_Unit]	Copy Activity in Pipeline to FUAM Lakehouse -> Files [Load_Delegated_Tenant_Settings_Overrides_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Tenant_Settings_E2E]	<ul style="list-style-type: none">display_data	
environments	Contains all existing "Environment" items from the last 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 "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_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 "JQL-Database" items are extracted separately. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
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. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
git_connections	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 [Load_Git_Connections_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_Git_Connections_E2E]	<ul style="list-style-type: none">display_data	
kql_databases	Contains all existing "JQL-Database" items from the last 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 "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_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. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
notebooks	Contains all existing "Notebook" items from the last 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 "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
pipelines	Contains all existing "Pipeline" items from the last 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 "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_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. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
reports	Contains all existing "Report" items from the last tenant 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.	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
Target table	Description	Table operation	Data transformation	Data ingestion	Historical copy	Referenced end-to-end pipeline	E2E pipeline parameters	Additional link
semantic_model_analyzer_runs	Contains all executed semantic model analyzer runs with additional information like „CompatibilityMode“ or „TotalSize“ of semantic model. One row represents one run for a given semantic model. 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 of FUAM Plus.	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_E2E]	<ul style="list-style-type: none">top_n_semantic_models_per_capacitydisplay_datakeyvault_nameanalyzer_principal_typeanalyzer_entityanalyzer_mode	
semantic_model_bpa_results	Contains all „Best Practice Analyzer Violations“, which have been detected during a semantic model analyzer 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 training documentation and/or technical documentation of FUAM Plus.	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_E2E]	<ul style="list-style-type: none">top_n_semantic_models_per_capacitydisplay_datakeyvault_nameanalyzer_principal_typeanalyzer_entityanalyzer_mode	
semantic_model_bpa_rule_catalog	Pre-defined set of BPA (Best Practice Analyzer) rules of semantic models.	Inserts/overwrites data from static source by deploying or upgrading FUAM	Notebook [Deploy_FUAM_*]	Static dataframe to FUAM_Lakehouse	No Not needed.			Best practice rules to improve your model's #217's performance Microsoft Power BI Blog Microsoft Power BI
semantic_model_content_types	This static table maps the „ContentProviderType“ 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.	Inserts/overwrites data from static source by deploying or upgrading FUAM	Notebook [Deploy_FUAM_*]	Static dataframe to FUAM_Lakehouse	No 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_E2E]	<ul style="list-style-type: none">top_n_semantic_models_per_capacitydisplay_datakeyvault_nameanalyzer_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_E2E]	<ul style="list-style-type: none">top_n_semantic_models_per_capacitydisplay_datakeyvault_nameanalyzer_principal_typeanalyzer_entityanalyzer_mode	
semantic_models	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_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]	<ul style="list-style-type: none">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 capacity. This element type is extracted if the pipeline parameter "extract_powerbi_artifacts_only" is set to " false ."	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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
workspace_monitoring_reports	Contains detected workspace monitoring report templates, which have been deployed in workspaces.	Overwrites data from last load	Notebook [02_Extract_Workspace_Monitoring_Reports_Unit]	Reads files from last inventory scan and extract specific items	No Not needed.	Pipeline [Load_Inventory_E2E]		
workspaces	Contains workspaces, which are attached to the capacities	Overwrites data from last load	Notebook [02_Transfer_Workspaces_Unit]	Copy Activity in Pipeline to FUAM Lakehouse -> Files [Load_PBI_Workspaces_E2E]	Yes, as a file It is generated when the notebook is running.	Pipeline [Load_PBI_Workspaces_E2E]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	
workspaces_scanned_users	Contains all EntraID objects (Users, Groups, Apps) from the last tenant API scan, which have access to 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]	<ul style="list-style-type: none">has_tenant_domainsextract_powerbi_artifacts_onlydisplay_data	