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| PURPOSE |

PowerBI contains three months usage data of every workspace. Our aim is to get the historical snapshot of usage data from PowerBI to SQL Database and create reports from that data.

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| Workflow |

Power Automate flows

SSMS

PowerBI

Admin Monitoring Workspace

Staging

getdatafromPBI-Prod

Workspaces –

* ECM KPIs
* eCockpit
* Engineering - Datamart
* Finance - Datamart
* Freight Defects
* Operation - Datamart
* PM-Datamart
* Product Safety
* Purchasing - Datamart
* Quality - Datamart
* Sales - Datamart
* TSG Sales

ODS

DataMartsPBI-Prod

Datawarehouse

PowerBI Report

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| TOOLS |

* PowerBI
* Power Automate
* SQL Server management studio
* SQL Server Integration Services (SSIS) – Visual Studio

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| WORKSPACES |

* Admin monitoring work space
* Engineering - Datamart
* Finance - Datamart
* Operation - Datamart
* Product Safety
* Purchasing - Datamart
* Quality - Datamart
* Sales - Datamart
* TSG Sales
* Freight Defects
* PM-Datamart
* eCockpit

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| USAGE DATA OVERVIEW |

The tables extracted, stored and used in Usage Dashboard:

| **Table name** | **Columns** |
| --- | --- |
| [PBI].[Views] | 1. Date 2. DistributionMethod 3. GranularViewsCount 4. Platform 5. ReportGuid 6. ReportPage 7. UserGuid 8. WorkspaceGuid |
| [PBI].[User] | 1. Email\_adress 2. PUID 3. UPN 4. User\_Guid 5. User\_type 6. UserKeyIndex |
| [PBI].[Reports] | 1. DisplayName 2. ReportGuid 3. WorkspaceGuid |
| [PBI].[Audit] | 1. AppKeyIndex 2. CapacityKeyIndex 3. Consumption\_method 4. Creation\_date 5. Creation\_time 6. DashboardKeyIndex 7. DatasetKeyIndex 8. ObjectKeyIndex 9. Operation 10. ReportKeyIndex 11. UserKeyIndex 12. WorkspaceKeyIndex |
| [PBI].[Fabric\_items] | 1. Created\_by\_user\_Id 2. IndexKey 3. Item\_Id 4. Item\_name 5. Item\_sub\_type 6. Item\_type 7. Modified\_by\_user\_Id 8. Workspace\_Id |
| [PBI].[Workspace] | 1. Capacity\_Id 2. Workspace\_Id 3. Workspace\_name 4. Workspace\_type 5. WorkspaceKeyIndex |

| **View name** | **Columns** |
| --- | --- |
| [PBI].[UsageReportDatasets] | 1. Date 2. DistributionMethod 3. GranularViewsCount 4. Platform 5. ReportGuid 6. ReportPage 7. UserGuid 8. WorkspaceGuid |
| [PBI].[AllNonITUsers] | 1. Email\_adress 2. PUID 3. UPN 4. User\_Guid 5. User\_type 6. UserKeyIndex |
| [PBI].[NonItUsers] | 1. DisplayName 2. ReportGuid 3. WorkspaceGuid |
| [PBI].[UserOrganization] | 1. AppKeyIndex 2. CapacityKeyIndex 3. Consumption\_method 4. Creation\_date 5. Creation\_time 6. DashboardKeyIndex 7. DatasetKeyIndex 8. ObjectKeyIndex 9. Operation 10. ReportKeyIndex 11. UserKeyIndex 12. WorkspaceKeyIndex |

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| Tables and Procedures in SQL Server Management Studio |

**Server:** *WCSSRV0231*

**Staging:**

**Tables:** [PBI].[Audit], [PBI].[Capacity], [PBI].[Fabric\_Items], [PBI].[Reports], [PBI].[User], [PBI].[Views], [PBI].[Workspace]

**Stored Procedures:**, PBI.insertFromCSVText

**Operational Data Store:**

**Tables:** [PBI].[Audit], [PBI].[Capacity], [PBI].[Fabric\_Items], [PBI].[Reports], [PBI].[User], [PBI].[Views], [PBI].[Workspace]

**Views:** [PBI].[UsageReportDatasets]

**Stored Procedures:** PBI.GetIncrementalRefreshKey, PBI.insertFromCSVText, PBI.usp\_Capacity, PBI.usp\_Fabric\_Items, PBI.usp\_Reports, PBI.usp\_User, PBI.usp\_Workspace

**Datawarehouse:**

**Views:** [PBI].[AllNonITUsers], [PBI].[Audit], [PBI].[Capacity], [PBI].[Fabric\_Items], [PBI].[NonItUsers], [PBI].[Reports], [PBI].[User], [PBI].[Views], [PBI].[Workspace]

**Views:** [PBI].[UsageReportDatasets]

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| Flow in power automate |

## Extracting data from PowerBI

* getdatafromPBI-Prod
  + Tables: Audit, User, Workspace, Capacity, Fabric\_Items
* DataMartsPBI-Prod
  + Tables: Views, Reports, Users

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| PowerBI Report |

## Datamart Usage Dashboard Link : [DatamartUsageDB. - Power BI](https://app.powerbi.com/groups/a305555a-0760-4475-98d6-7bbfe237c10c/reports/bc870b9d-0fb8-4bcb-8842-d681e7c88743/ReportSection4c985254c2705312f1a7?experience=power-bi)