



# Govern your data in Fabric

Keep control over your data

Hylke Peek



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## Data Consultant



@hylkepeek

 [Linkedin.com/hylkepeek](https://www.linkedin.com/hylkepeek)

I'm working on a lot of different stuff. Focus on **Azure** and **Power BI**.

- Data Platform
- Datawarehousing
- Analytics
- Azure data solutions
- Power BI

# Topics

Sensitivity labels

Endorsement and discovery

Lineage

Impact analysis

Domains

Metadata scanning

Purview Hub



# Sensitivity labels



*Classify and protect your data*



## Different ways of labeling

Manual, default, and programmatic

## Inheritance

Downstream and based on other item with label during creation






## Export

Excel, Excel with live connection to Power BI dataset, PDF, PowerPoint and Power BI Desktop



## Limitations

- Mandatory labeling works only for Power BI
- Never overwrites manually applied labels
- Inheritance of data sources only works for semantic models with import mode

	Name	Type	Sensitivity
	Datamodel Sales	Report	General ⓘ
	Datamodel Sales	Semantic model	General ⓘ
	Fanshop Sales Data	Dataflow	—
	Reporting Sales	Report	Confidential ⓘ

# Endorsement and discovery



*Identify your high quality and trustworthy data*









## Promotion

Promote your fabric item

## Certification

This fabric item meets company standards

	Name	Type	Endorsement
	Datamodel Sales	Report	—
	Datamodel Sales	Semantic model	 Certified
	Fanshop Sales Data	Dataflow	—
	Reporting Sales	Report	 Promoted

# Lineage



*Understand and document the flow of your data*



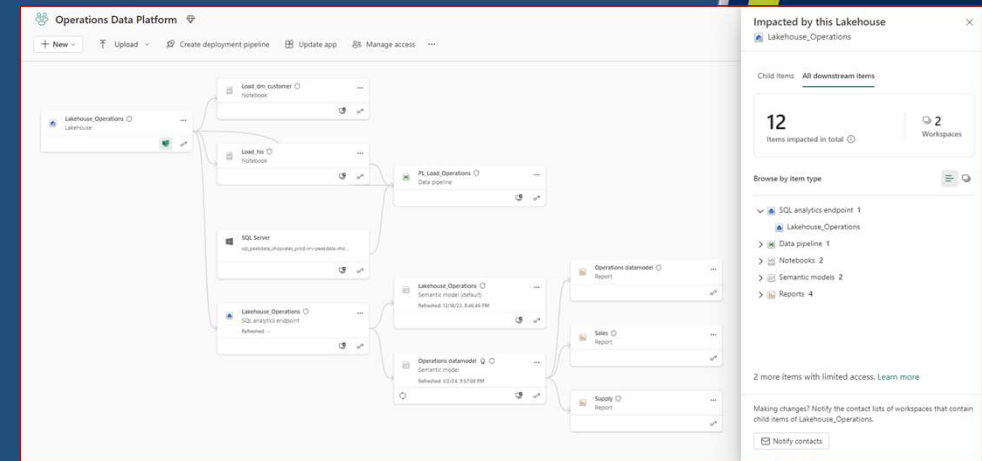
## Find related Fabric items

All items within the workspace



## Limitations

- Only one level up outside the workspace



# Impact Analysis



*Identify potential impact when making changes*



## Find related Fabric items

All downstream items

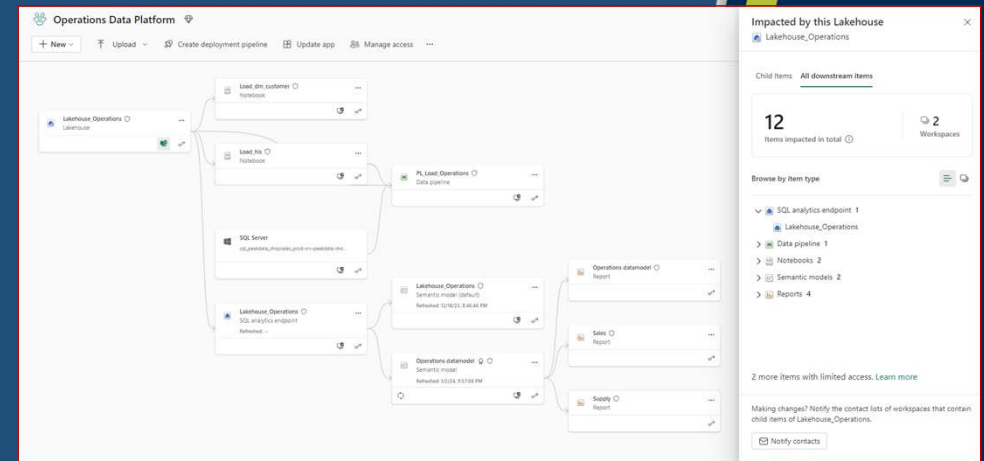
## Notify relevant people

Workspace contact list



## Limitations

- Only direct children for data sources
- You don't see names
- Not on dataflows



# Domains



*Organize and manage data according to your business*



## Group Fabric item into logical groups

Workspace, report, dataset, lakehouse, pipeline and more...

## Assign workspaces to groups

Bulk assignment and one at the time

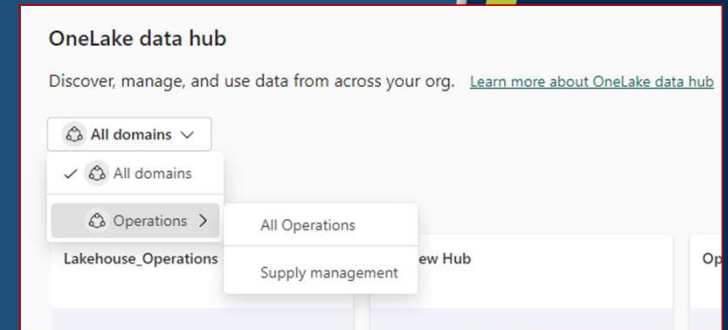
## Control by using new roles

Domain admin and contributor



## Limitations

- Works only in the context of OneLake





# Metadata scanning



*Catalog all metadata of your analysis and report items*



## Extract info about your Fabric items

Workspace, report, dataset, lakehouse, pipeline, governance, measures and more...

## Make it more powerfull

Combine this with the Power BI activity log



## Limitations

- No UI, just a set of api's

```
"Notebook": [{
  {
    "id": "8f1f8d5f-6df9-40a1-8f04-e241321cac0e",
    "name": "Load_dm_customer",
    "description": "Business logic for customer",
    "state": "Active",
    "lastUpdatedDate": "2023-12-22T17:20:24.8291782",
    "createdDate": "2023-12-20T19:59:40.5861766",
    "modifiedBy": "hpeek@peekdata.nl",
    "createdBy": "hpeek@peekdata.nl",
    "modifiedById": "f9e59873-feed-451d-abf4-5337d4c9ca4a",
    "createdById": "f9e59873-feed-451d-abf4-5337d4c9ca4a",
    "sensitivityLabel": { "labelId": "3491b186-cd90-41bd-863e-6dc99599faac" },
    "relations": [
      {
        "dependentOnArtifactId": "5e51f72e-4fe3-48b6-a98e-d4b08b64431d",
        "workspaceId": "a9374840-2398-4da6-95ec-6881daf2bedd",
        "relationType": "Datasource",
        "settingsList": "None",
        "usage": "Datasource"
      }
    ]
  },
  "extendedProperties": {}
}]
```

# Purview Hub

Create an overview of all items in your data estate



## Catalog all your Fabric items

Workspace, report, dataset, lakehouse, pipeline and more...

## Metadata of your items

Creator, sensitivity and endorsement

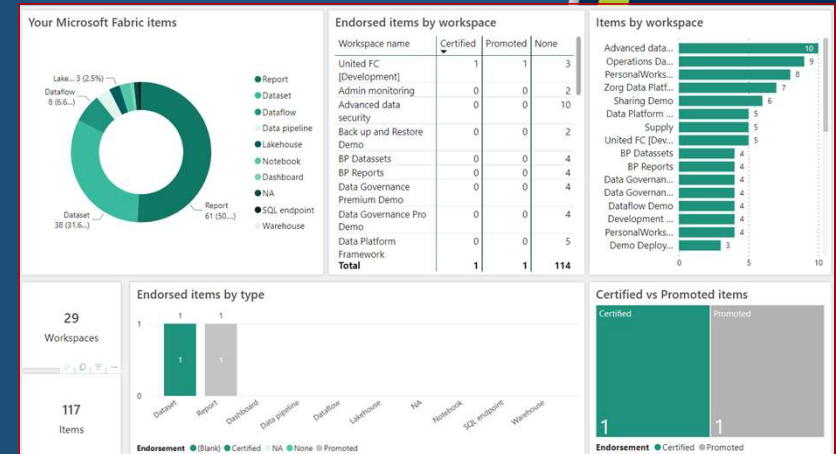
## Admin view and non-admin view

All items vs only owned semantic datamodels










## Limitations

- No activity insights
- No data access information
- To create a really good overview, you need more









# Topics

## Sensitivity labels

	Name	Type	Sensitivity
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	Datamodel Sales	Semantic model	General 
	Fanshop Sales Data	Dataflow	—
	Reporting Sales	Report	Confidential 

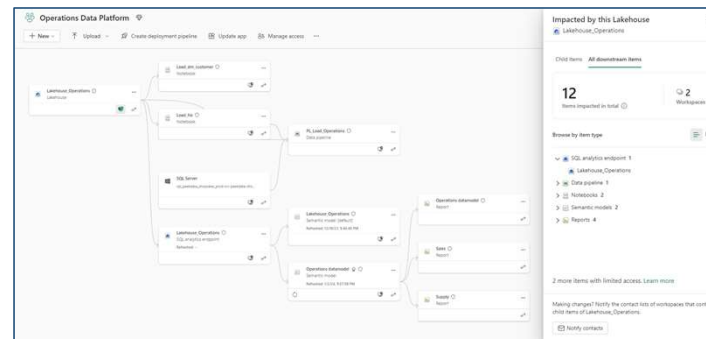
## Endorsement and discovery

	Name	Type	Endorsement
	Datamodel Sales	Report	—
	Datamodel Sales	Semantic model	
	Fanshop Sales Data	Dataflow	—
	Reporting Sales	Report	

## Metadata scanning

```
"Notebook": [{
  {
    "id": "8f1f8d5f-6df9-40a1-8f04-e241321cac0e",
    "name": "Load_dm_customer",
    "description": "Business logic for customer",
    "state": "Active",
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    "createdDate": "2023-12-20T19:59:40.5861766",
    "modifiedBy": "hpeek@peekdata.nl",
    "createdBy": "hpeek@peekdata.nl",
    "modifiedById": "f9e59873-feed-451d-abf4-5337d4c9ca4a",
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    "sensitivityLabel": { "labelId": "3491b186-cd90-41bd-863e-6dc95959faac" },
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        "relationType": "Datasource",
        "settingsList": "None",
        "usage": "Datasource"
      }
    ]
  },
  "extendedProperties": {}
},
]
```



## Lineage and Impact analysis






## Domains

**OneLake data hub**

Discover, manage, and use data from across your org. [Learn more about OneLake data hub](#)

 All domains 

 All domains

 Operations 

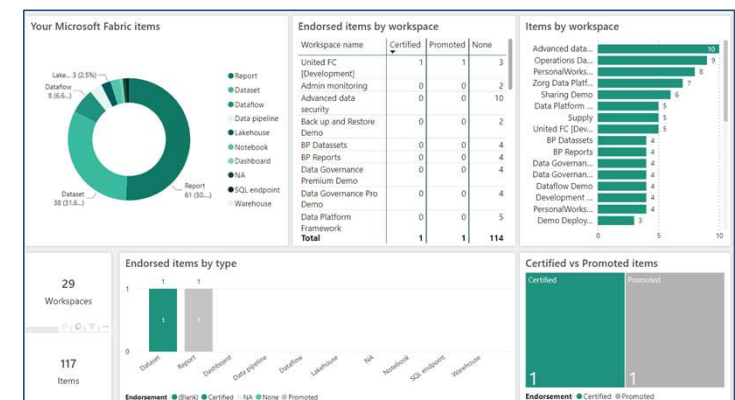
Lakehouse\_Operations

Supply management

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## Purview Hub



sqlbits  
\*\*\*2024\*\*\*

