

**SCANIA**

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LITA – Marcius Nishida - 3693

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Power BI Cloud

Guide

<https://docs.microsoft.com/en-us/power-bi/>

<https://scaniaazureservices.sharepoint.com/sites/SelfServiceBI>



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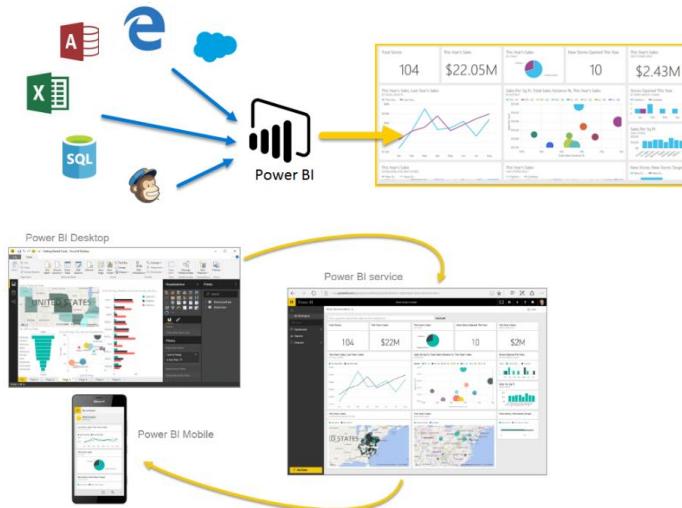
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PowerBI

PowerBI is a business analytics service provided by Microsoft. It provides interactive visualizations with self-service business intelligence capabilities, where end users can create reports and dashboards by themselves, without having to depend on information technology staff or database administrators.

- We at Scania IT have chosen PowerBI as our strategic choice for creating BI-reports.
- It is well suited for self-service and has been developed from Excel and Power Pivot.
- To use PowerBI you need the Desktop software, it's free. This is where you connect to data sources and create reports. You will get a choice when you get your data, import or live connect this important from a security perspective.
- When you have created your report and would like to share it there are two ways to go. You can use our on Prem Report servers or use the cloud service. This is also important whether you import data or live connect. If you import data and save the report in the cloud, all data will be in the "pbix" file which is stored in Azure. Depending on the classification of the data it might be a risk for Scania.
- Since there are two different ways to publish there is also two different versions available in Order IT.
- If you would like to use the cloud service you need a pro license to be able to share your report, read the license and access section.





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Introduction to Self Service

General Info

Self-Service business intelligence(SSBI) is an approach to data analytics that enables business users to access and work with corporate data even though they do not have a background in statistical analysis, business intelligence (BI) or data mining.

Allowing end users to make decisions based on their own queries and analyses frees up the organization's business intelligence and information technology (IT) teams from creating the majority of reports and allows those teams to focus on other tasks that will help the organization reach its goals.

Scania Info

We at the BI-department (BIAN) at Scania have been working to enable a wider level of self service BI to the Scania employees. We see this to become more data driven and allow users to access updated data from our common data warehouse and to create their own BI-solution.

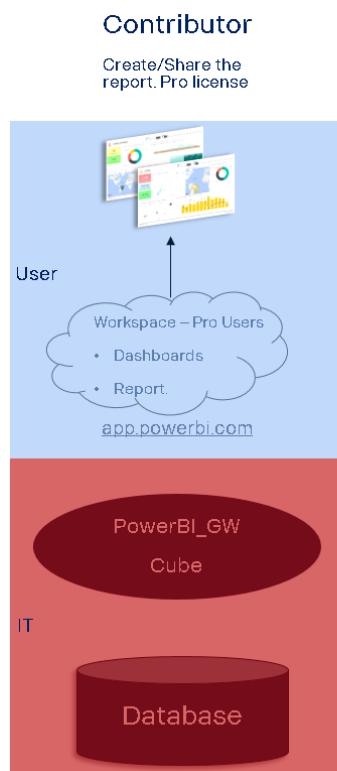
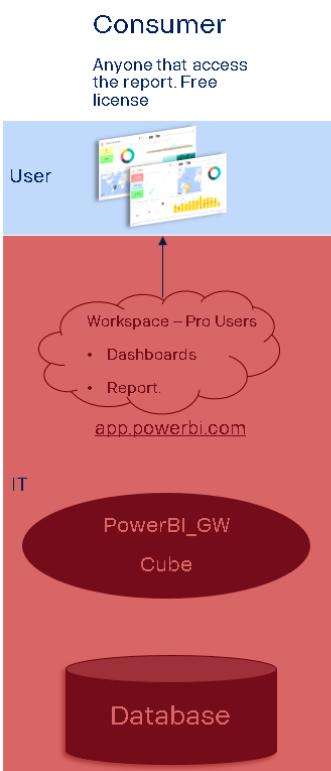
Self service BI does come with some challenges that we would like you to be aware of:

- Data awareness. Understand your data to avoid misguiding your users/managers. Before you start you need to make a risk evaluation IRAM.
- BI-Skills. You build it, you run it. We at BIAN cannot guarantee support for self service projects. If you want quality data, production stability and business critical reports you are welcome to initiate a project with us.

You are responsible for the data you are sharing in your reports. If you import your data in PowerBI reports consumers will be able to extract that data to excel.



Self Service Levels



The user or AD group from Contributor, Data Modeler and Data Admin must be added on the data source database to create or share the reports to the cloud and it is being managed by Sweden.

GATEWAY CLUSTERS

- ✓ PowerBIGW_Test
 - SCA_SQL2016_PV17_SLSI_TEST ▲
 - Herta3_Dev
 - SESOCHO3305 SSAS_Maximo
 - SCA_SQL2016_Master_TST ▲
 - SESOCHO3305 SSAS_Maximo - Work Order
- PEQUI
- SQL PBI
 - SCA_SQL2016_Master_PRD ▲
 - SCA_Folder_FocusAreas ▲
 - SCA_SQL2016_CV17_SLSI_TEST ▲

Data Source Settings Users

People who can publish reports that use this data source

Enter email addresses

- Roberta Reis
- Carlos Eduardo Mendes Silva
- Marcius Yukio Nishida
- Andre Horvath Gomes

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License and Access

These versions are for publishing reports in the cloud. For on prem you will only need the free desktop version.

Free version (O365 E3)

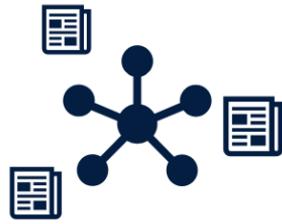
- Office 365 includes free version of Power BI.
- Allows you to consume reports shared with you.
- Create reports on My Workspace (unable to share).



Consume and create for self use

PRO (est. 60 SEK/month)

- Allows you to create workspaces, reports and share with other Power BI PRO users.

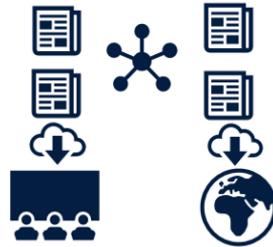


Network with PRO-users and upload to workspaces

US\$6,60 per user

Premium

- Central Scania capacity.
- Allows you to activate PRO users workspace to share with free users.



Create workspaces and activate workspaces

US\$4.200/Month for
1500 users – US\$2,80
300 users using this.
powerbi.support@scania.com

All PowerBI license will be payed by Sweden so there is no cost for Brazil.

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Ordering the PowerBI Pro Licence

- 1) Abrir a url

http://orderit.scania.com/Site/PackageDetails_View.aspx?ProductId=PKG-1004

- 2) Clicar no botão Change:



- 3) Preencher o campo username informando o solicitante e clicar no botão Search:

The screenshot shows a 'Search User/Node' dialog box. It has fields for 'User Name' (containing 'SSBECR'), 'First Name', 'E-mail Address', 'Cost Centre', 'Node Name', 'Last Name', 'Department', and buttons for 'Search' and 'Reset'. The 'User Name' field and the 'Search' button are both highlighted with red boxes. Below the dialog, a 'Search Result' table is shown with one row of data. The table has columns for User Name, First Name, Last Name, Phone, E-mail Address, and Department. The data in the table is: User Name: SSBECR, First Name: Erica, Last Name: de Castro Rodrigues, Phone: +551143448816, E-mail Address: Erica.Rodrigues@scania.com, Department: SFR.

| User Name | First Name | Last Name | Phone | E-mail Address | Department |
|-----------|------------|---------------------|---------------|----------------------------|------------|
| SSBECR | Erica | de Castro Rodrigues | +551143448816 | Erica.Rodrigues@scania.com | SFR |



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4) Ao encontrar o nome completo da pessoa abaixo, clicar em cima dela:

Search User/Node

User Name: SSBECCR Node Name: ?

First Name: Last Name: ?

E-mail Address: Department:

Cost Centre :

Search Result (Click On Row To Select User)

| User Name | First Name | Last Name | Phone | E-mail Address | Department |
|-----------|------------|---------------------|---------------|----------------------------|------------|
| SSBECCR | Erica | de Castro Rodrigues | +551143448816 | Erica.Rodrigues@scania.com | SFR |

1

5) Clicar em Add to Cart:

Power BI Pro License

[Back to search result](#) Applications -> Office Suite Software

Click image for enlarging view

One Time Cost : 0,00 SEK
Monthly Cost : 60,00 SEK
Consumption Cost : No

Quantity :

Description

The license includes:

- Share reports in the cloud environment
- Creating workspaces in app.powerbi.com
- Sharing Reports and Dashboards to Pro users and Free user, see note 2

Note1 To create reports you need the Power BI desktop versions (there is two, on prem & cloud).

Note2 To share with free users you need to have your workspace upgraded to premium (it's done by IXAA).

Note3 IRAM (data security) is mandatory to upload data in Power BI.

6) Clicar em Checkout Order:



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The screenshot shows a web-based ordering system for Scania. At the top, there's a header with the Scania logo, the word "OrderIT", and various navigation links like "Product Catalogue", "Orders", "Settings", "Terms & Conditions", "Search for package", "Advanced Search", "News", "E-learning", "FAQ", and a user profile. Below the header, it says "Logged In: Marcus Yukio Nishida". The main area is titled "Shopping Cart For User : Erica De Castro Rodrigues". It displays a single item: "Power BI Pro License" with a quantity of 1, a one-time cost of 0,00 SEK, and a monthly cost of 60,00 SEK. There's a note below the item saying "This package is possible to customise". At the bottom, there are buttons for "Continue Shopping", "Update Quantity", and a green button with a red border labeled "Checkout Order". Other buttons at the bottom include "Save Cart", "Save as Template", "Apply Template", and "Empty Cart".

- 7) Preencher os campos em vermelho, no campo Approver selecionar sempre o primeiro que mostra na lista:

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Checkout Order

| Logged In: Ma

Delivery Information >**Confirm Order**

To fulfill your order you need to fill in the (*) mandatory information below and verify the Delivery Address (Site and Building). When done, select "Next Step".

Order for : **Erica de Castro Rodrigues**

* = Required

User Information

User Name:

Erica de Castro Rodrigues (SSBECR)

Workphone:

+551143448816

Name:

Erica de Castro Rodrigues

Mobile Phone:

Department:

SFR

E-mail Address:

Erica.Rodrigues@scania.com

Node Name

Node Name:

M14450

Delivery Address **Alternative Delivery Address (To be used instead of your currently registered address , for example Satellite offices).**

Site:

São Bernardo do Campo

Contact Phone:*

+551143448816

Building:*

P11-00

Floor:*

zero

Order delivery note:

This text will be printed on the address label
as well on your invoice.
The delivery company/supplier will not read
this text (max 30 characters).

Financial Approver Information *

Approver:

Rodrigo Paschoal Ribeiro

Cost Center:

761

If you don't find your Financial Approver in the drop down list, [Click Here](#) to receive an expanded list of approvers for the cost center number.
Note: List will show approvers for other companies/units if they use the same number.

8) E clicar em Next:

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Add Order Status Recipients

| | |
|----------------------|--|
| <input type="text"/> | |
| <input type="text"/> | |
| <input type="text"/> | |

Comment to Approver:

Please note! This field is only to notify your approver to understand your specific reason for your order.

<< Previous

Next >>

Cancel

9) Clicar em Confirm Order:

Checkout Order | Logged In: **Marcius Yukio Nishi** Cancel

Delivery information >> **Confirm Order**

Please verify that the information below is correct and then select "Confirm Order" to submit your order. If you want to edit your order, select "Previous" to go back."

Order For

| | | | | |
|-----------------|----------------------------|-------------------|-----------------------|--------|
| User Name: | SSBECR | Ordered By | User Name: | SSBMYN |
| Name: | Erica de Castro Rodrigues | Name: | Marcius Yukio Nishida | |
| VW ID: | WPBN15N | Department: | LITA | |
| Department: | SFR | | | |
| Workphone: | +551143448816 | | | |
| Mobile Phone: | | | | |
| E-mail Address: | Erica.Rodrigues@scania.com | | | |

Node Name

| | |
|-----------|--------|
| Node Name | M14450 |
|-----------|--------|

Delivery Address

| | | | | |
|----------------------|-----------------------|--------------------------------|---|-------------|
| Site: | São Bernardo do Campo | Order and Delivery Date | Order Date: | 01 Mar 2019 |
| Building: | P11-00 | Delivery Date: | The expected delivery date is set to within 1 working day after the approval(s) | |
| Floor: | zero | | | |
| Contact Phone: | +551143448816 | | | |
| Order delivery note: | | | | |

Comments:

Packages In Order

| Product Id | Title | Quantity | One Time Cost | Monthly Cost | View Configuration | Status |
|------------|----------------------------|----------|---------------|--------------|--------------------|--------|
| PS0108-006 | Power BI Pro License | 1 | 0,00 SEK | 60,00 SEK | | |
| PS0108-006 | New - Power BI Pro License | | 0,00 SEK | 60,00 SEK | | None |

= This package is possible to customise

Total: **0,00 SEK** **60,00 SEK**

<< Previous Confirm Order



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- 10) Por fim será exibido a tela abaixo confirmando a solicitação e dois e-mails serão enviados, um confirmando o pedido e outro quando a licença for efetivada de fato e o usuário também recebe a cópia do email.

RECEIPT

Your order has been submitted. Select "Back to Start Page" to get back to the start page. You will get e-mails about the status of the order and you can also find this information under the tab "Orders".

[Print](#)

Order Id: OT000363444

Order For

| | |
|-----------------|----------------------------|
| User Name: | SSBECR |
| Name: | Erica de Castro Rodrigues |
| VW ID: | WPBN15N |
| Department: | SFR |
| Workphone: | +551143448816 |
| Mobile Phone: | |
| E-mail Address: | Erica.Rodrigues@scania.com |

Ordered By

| | |
|-------------|-----------------------|
| User Name: | SSBMYN |
| Name: | Marcius Yukio Nishida |
| Department: | LITA |

Order and Delivery Date

| | |
|----------------|---|
| Order Date: | 01 Mar 2019 |
| Delivery Date: | The expected delivery date is set to within 1 working day after the approval(s) |

Node Name

| | |
|-----------|--------|
| Node Name | M14450 |
|-----------|--------|

Financial Approver Information

| | |
|--------------|--------------------------|
| User Name: | SSBRIIB |
| Name: | Rodrigo Paschoal Ribeiro |
| Cost Center: | 761 |
| Department: | SFR |

Delivery Address

| | |
|----------------|-----------------------|
| Site: | São Bernardo do Campo |
| Building: | P11-00 |
| Floor: | zero |
| Contact Phone: | +551143448816 |

Order delivery note:

Package In Order

| Product Id | Title | Quantity | One Time Cost | Monthly Cost |
|------------|----------------------------|----------|---------------|--------------|
| PS0108-006 | Power BI Pro License | 1 | 0,00 SEK | 60,00 SEK |
| PS0108-006 | New - Power BI Pro License | | 0,00 SEK | 60,00 SEK |

= This package is possible to customise

Total: 0,00 SEK

60,00 SEK

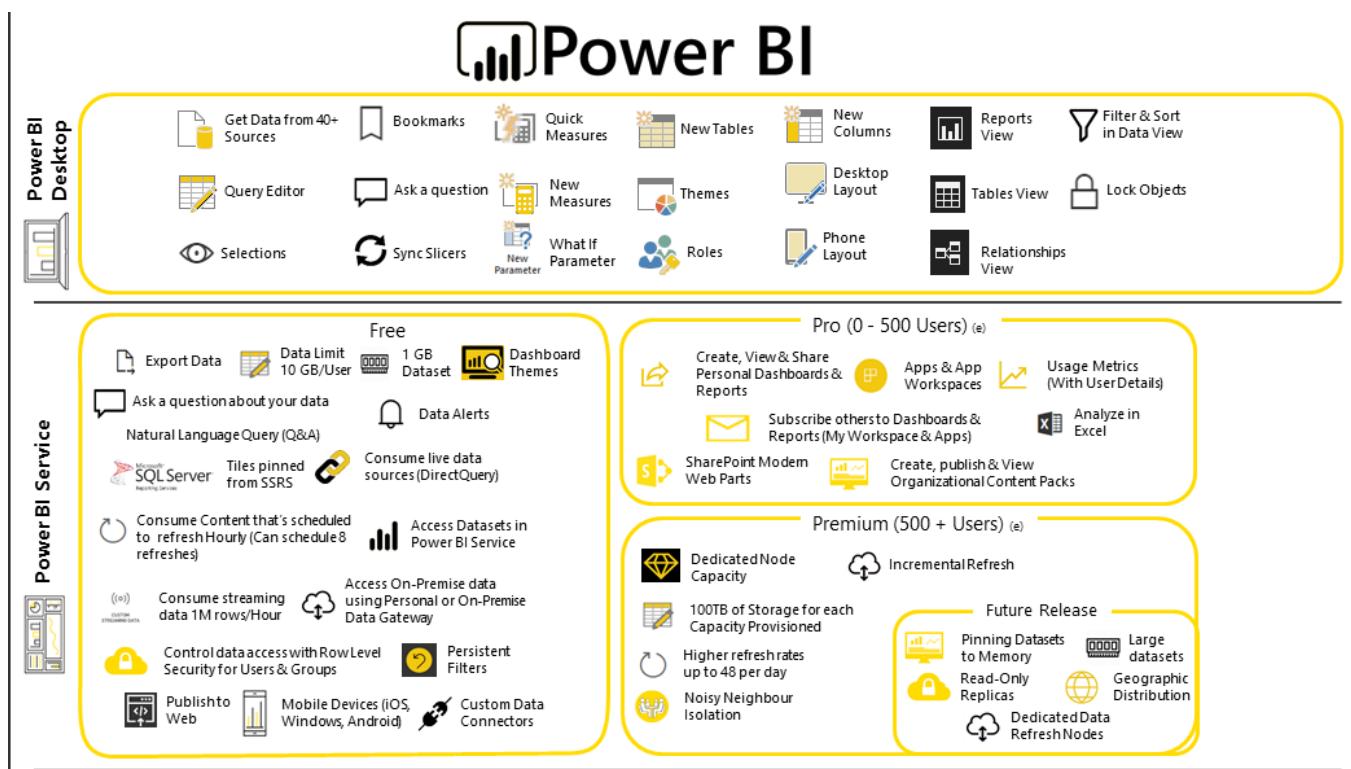
Comments

[Print](#)



Free vs Pro vs Premium

| | Free | Pro | Premium |
|-----------------------------|---------------|------------------|-----------------|
| Must be on O365 | Yes | Yes | Yes |
| Create Reports | Yes | Yes | Yes |
| Share Reports | No | Only with Pro | Free and Pro |
| DirectQuery or Live Connect | No | Yes | Yes |
| Workspace | No | Yes | Yes |
| Data Storage | 1 Gb per user | 10 Gb per user | 100 Tb per user |
| Data Refreshes | 8 per day | Up to 48 per day | unlimited |
| Larger Datasets | 1Gb | 1Gb | 50Gb |
| Separate Resources | No | No | Yes |





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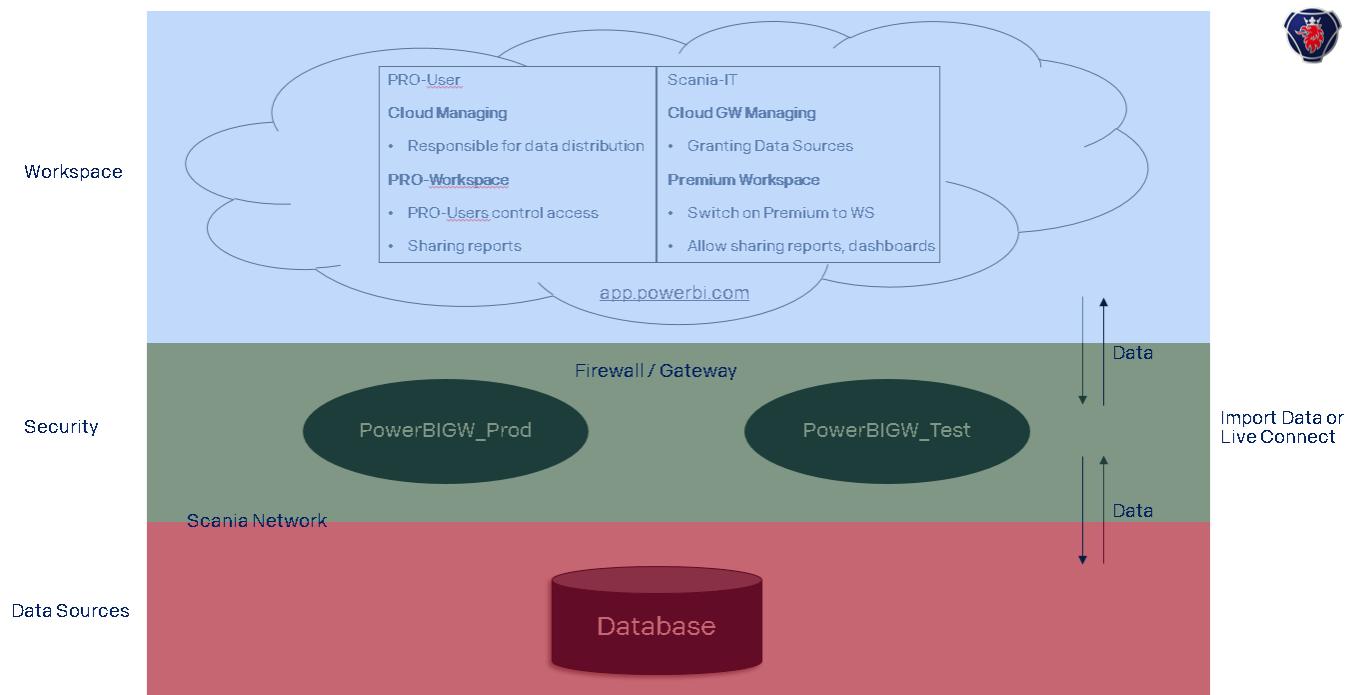
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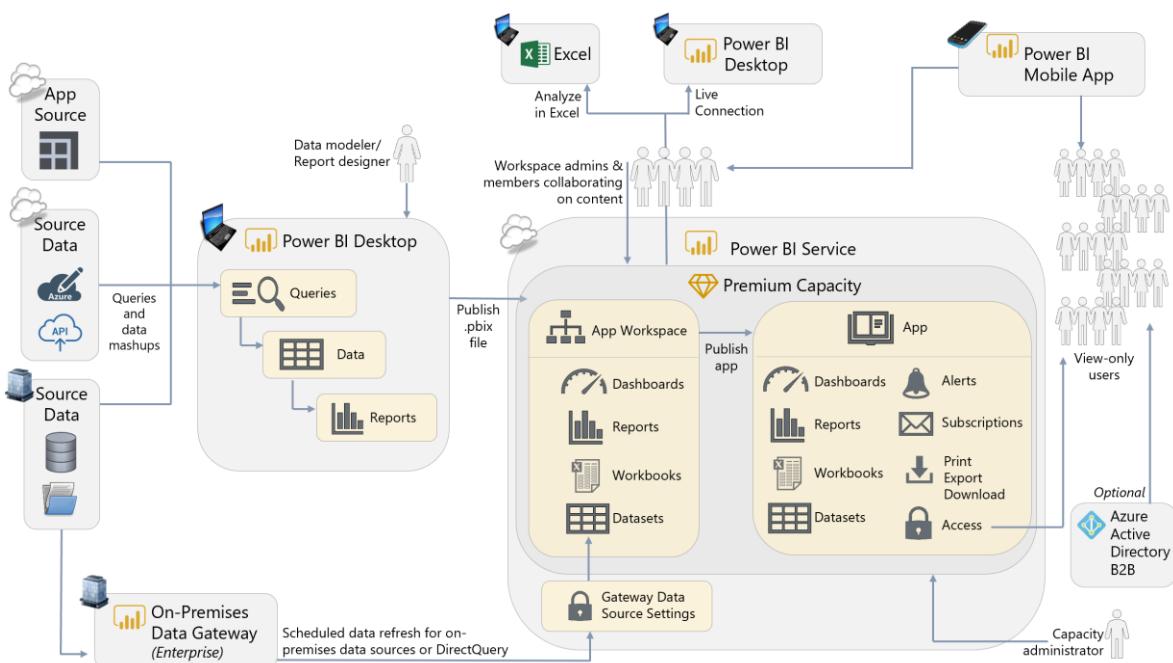
Technical structure (cloud in Ireland)





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Databases from SLA that are available on the PowerBI and configured on the gateway

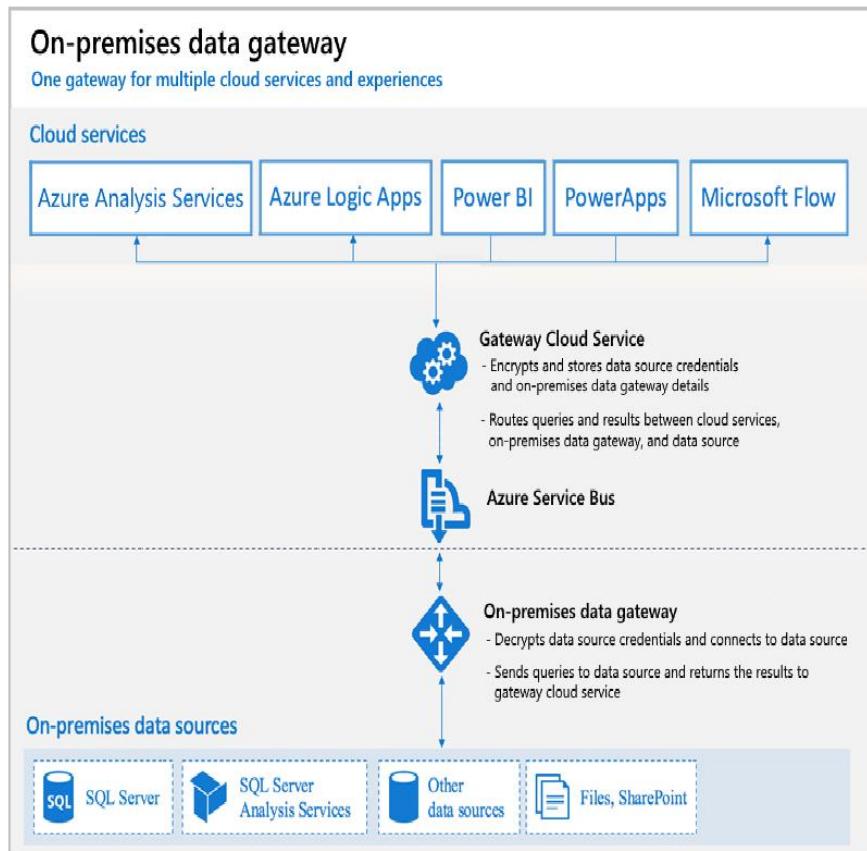
| Database | Username | Description |
|----------------------|-------------|---------------------------------------|
| Erere.br.scania.com | DW_MKSL | Data Warehouse – Production (current) |
| Franca.br.scania.com | USR_POWERBI | Data Warehouse – Production (new) |
| Fila.br.scania.com | USR_POWERBI | E-Business Suite – Production |

PowerBI on the cloud: <https://app.powerbi.com>



How gateway works

The gateway you install runs as a Windows service, **On-premises data gateway**. This local service is registered with the Gateway Cloud Service through Azure Service Bus. The following diagram shows the flow between on-premises data and the cloud services that use the gateway.



Queries and data flow:

1. A query is created by the cloud service with the encrypted credentials for the on-premises data source. It's then sent to a queue for the gateway to process.
2. The gateway cloud service analyzes the query and pushes the request to the Azure Service Bus.
3. The on-premises data gateway polls the Azure Service Bus for pending requests.
4. The gateway gets the query, decrypts the credentials, and connects to the data sources with those credentials.
5. The gateway sends the query to the data source for execution.
6. The results are sent from the data source, back to the gateway, and then onto the cloud service and your server.

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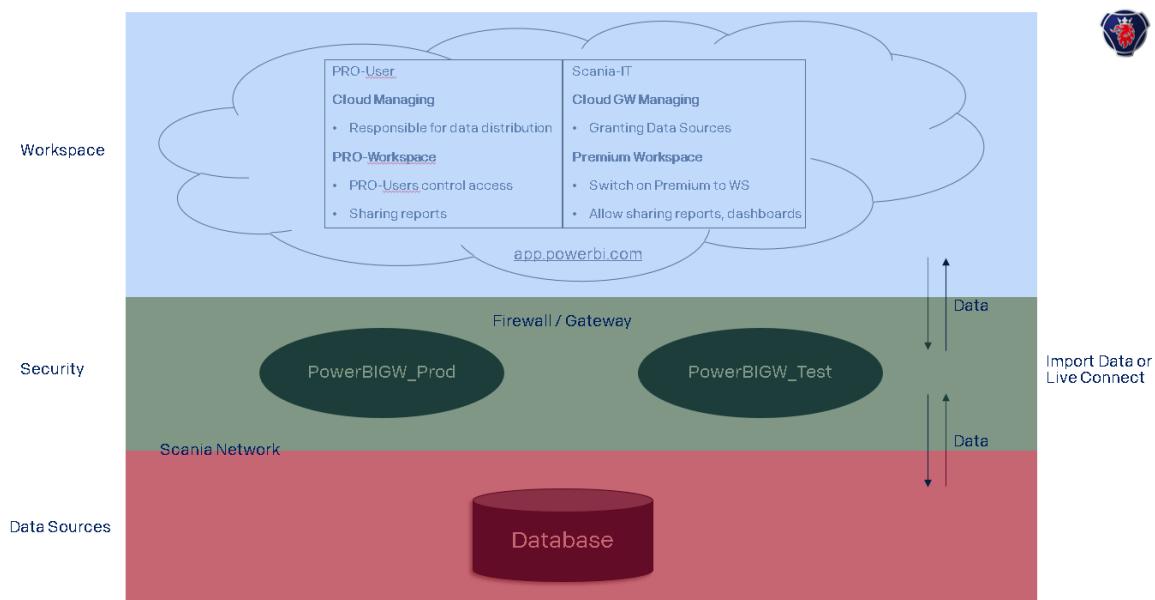
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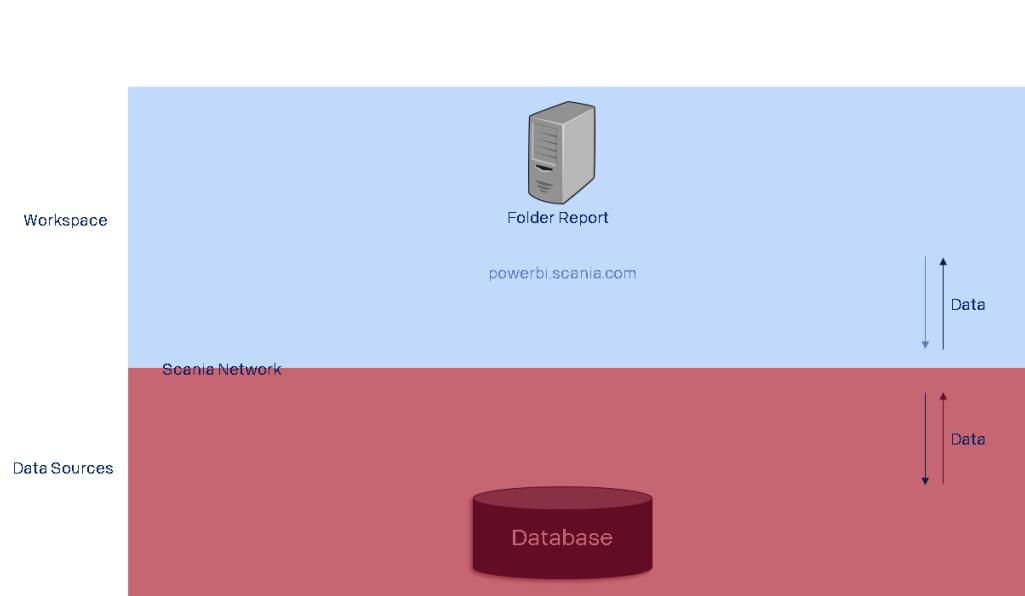
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Architecture Cloud vs On Prem

Cloud



On Prem





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Cloud vs On Prem

| Features | Power BI Report Server | Power BI Service | Notes |
|---|--|--|--|
| Deployment | On-premises or hosted cloud | Cloud | Power BI Report Server can be deployed in Azure VMs (hosted cloud) if licensed through Power BI Premium |
| Source data | Cloud and/or on-premises | Cloud and/or on-premises | |
| License | Power BI Premium or SQL Server EE with SA | Power BI Pro and/or Power BI Premium | |
| Lifecycle | Modern lifecycle policy | Fully managed service | |
| Release cycle | Once every 4 months | Once a month | Latest features and fixes come to Power BI Service first. Most core functionality comes to Power BI Report Server in the next few releases; some features only meant for the Power BI service. |
| Create Power BI reports in Power BI Desktop | Yes | Yes | |
| Create Power BI reports in the browser | No | Yes | |
| Gateway required | No | Yes for on-premises data sources | |
| Real-time streaming | No | Yes | Real-time streaming in Power BI |
| Dashboards | No | Yes | Dashboards in the Power BI service |
| Distribute group of reports using apps | No | Yes | Create and publish apps with dashboards and reports |
| Content packs | No | Yes | Organizational content packs: Introduction |
| Connect to services like Salesforce | No | Yes | Connect to the services you use with the Power BI service |
| Q&A | No | Yes | Q&A in the Power BI service and Power BI Desktop |
| Quick insights | No | Yes | Automatically generate data insights with Power BI |
| Analyze in Excel | No | Yes | Analyze in Excel |
| Paginated reports | Yes | No | Paginated reports aren't available in the Power BI service, but you can pin paginated report items to Power BI dashboards |
| ARC GIS maps | No | Yes | ArcGIS maps in Power BI service and Power BI Desktop by Esri |
| Email subscriptions for Power BI reports | No | Yes | Subscribe to a report or dashboard in the Power BI service |
| Email subscriptions for paginated reports | Yes | No | E-Mail delivery in Reporting Services |
| Data alerts | No | Yes | Data alerts in the Power BI service |
| Row-level security | Only through data source in DirectQuery mode | Available in both DirectQuery (data source) & Import mode | Row-level security (RLS) with Power BI |
| Full screen mode | No | Yes | Full screen mode in the Power BI service |
| Advanced Office 365 collaboration | No | Yes | Collaborate in an app workspace with Office 365 |
| R visuals | No | Yes | Create R visuals in the Power BI service |
| Preview features | No | Yes | Opt in for Power BI service preview features |
| Custom visuals | Yes | Yes | Custom visuals in Power BI |
| Power BI Desktop | Version optimized for Report Server, available for download with Report Server | Version optimized for Power BI Service, available from the Windows Store | Power BI Desktop for the report server |
| | | | Power BI Desktop for the Power BI service |

<https://docs.microsoft.com/en-us/power-bi/report-server/compare-report-server-service>



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Installation for PowerBi desktop

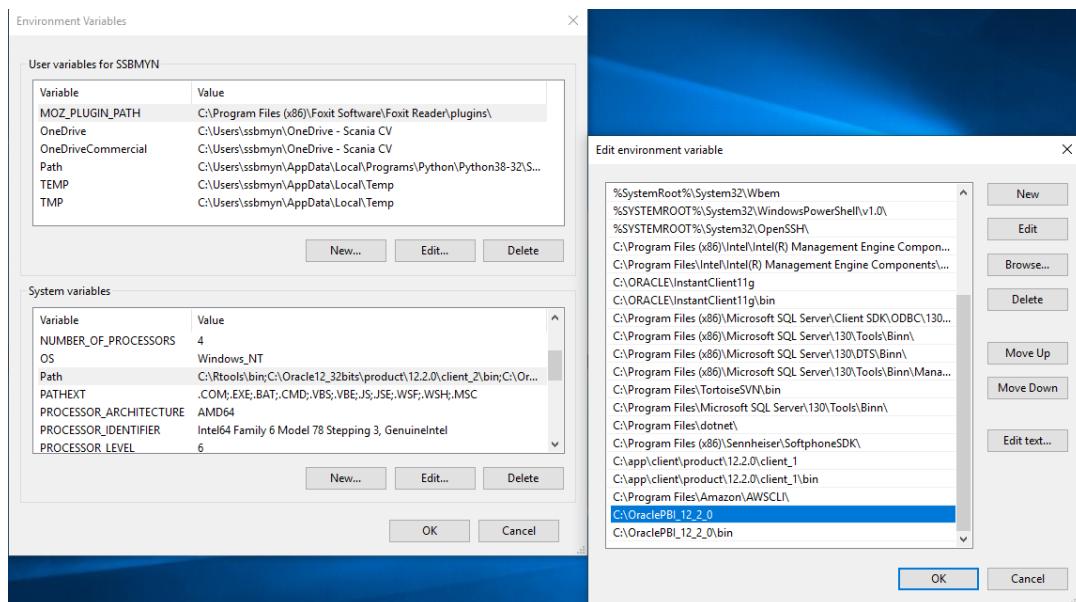
The installation's instruction of PowerBi(PBIDesktop_x64) on the desktop is available on the link <https://docs.microsoft.com/en-us/power-bi/desktop-get-the-desktop>

The installation's instruction of Oracle Client is available on the link
<https://docs.microsoft.com/en-us/power-bi/desktop-connect-oracle-database>

The files are available also in [\\tools\\data\\$\\Programs\\ N-Z\\PowerBI](\\tools\\data$\\Programs\\ N-Z\\PowerBI) or by Software Center

The Oracle Client driver can be installed following the steps below:

- 1) Copy all files from [\\brsanas01\\public\\$\\PowerBI\\ODAC122010Xcopy_x64](\\brsanas01\\public$\\PowerBI\\ODAC122010Xcopy_x64) to your C:\\OraclePBI_12_2_0
- 2) Open the cmd using ADM, if you are not ADM in your computer please call to costumer support;
- 3) In CMD run the command **install.bat all C:\\OraclePBI_12_2_0 odac**
- 4) In the final the folder should be created C:\\OraclePBI_12_2_0
- 5) Change your environment variable in the Path adding the folder C:\\OraclePBI_12_2_0 and C:\\OraclePBI_12_2_0\\bin



- 6) Copy all files from [\\brsanas01\\public\\$\\PowerBI\\Tns](\\brsanas01\\public$\\PowerBI\\Tns) to the C:\\OraclePBI_12_2_0\\network\\admin



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Data Security (cloud)

You are responsible for the data you are sharing in your reports. If you import your data in PowerBI reports consumers will be able to extract that data to excel.

So the recommendation is to check the information security with ISEC team and the process and documents of IRAM(Information Risk Analysis Method) are available on the links below:

<https://scaniaazureservices.sharepoint.com/sites/SelfServiceBI/SitePages/Files.aspx>

<https://inline.scania.com/scripts/cgiip.exe/WService=inline/cm/pub/showdoc.p?docfolderid=111686&docname=index>

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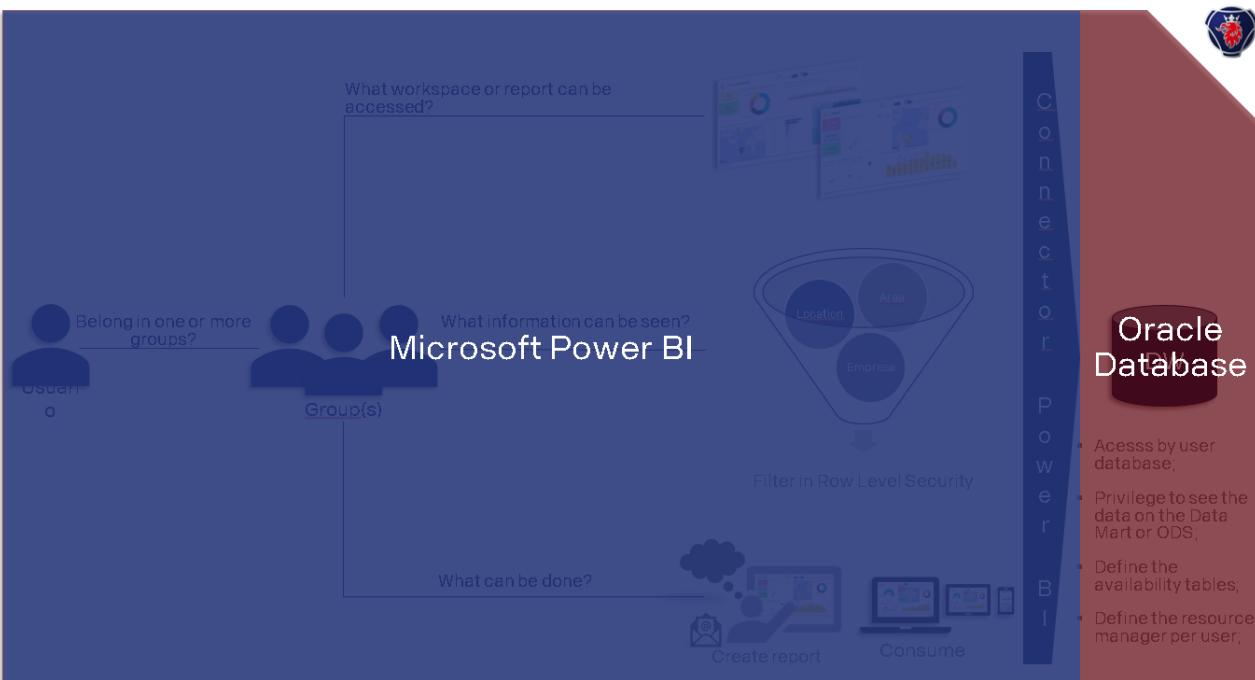
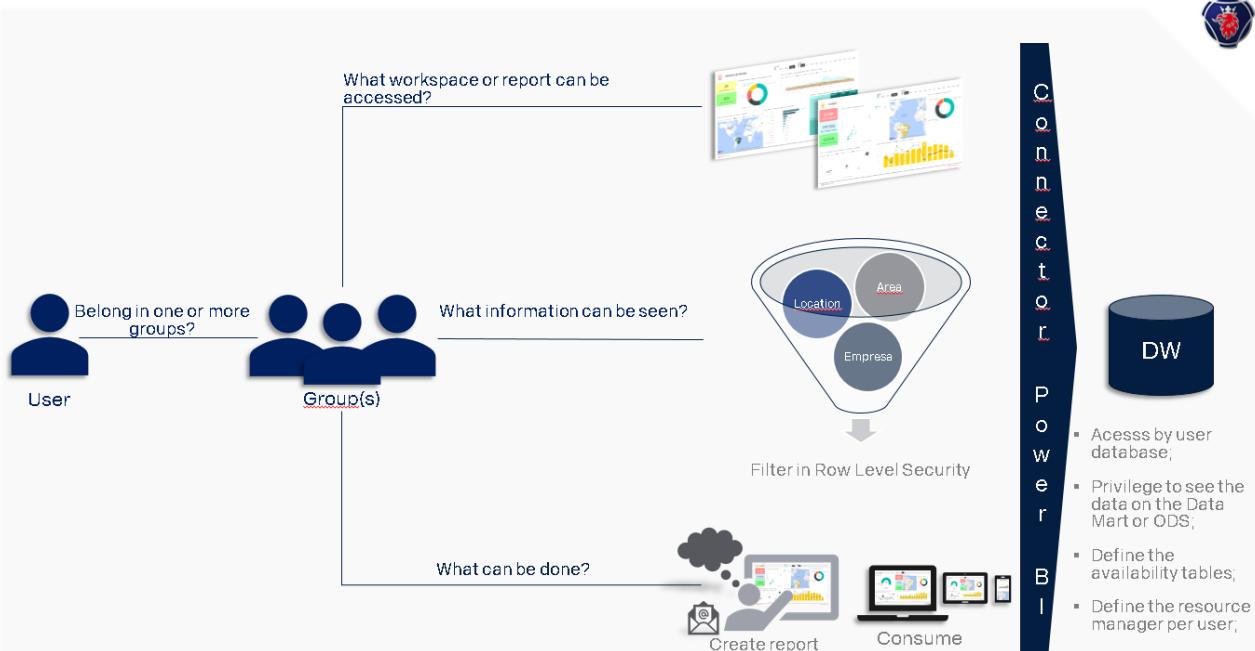
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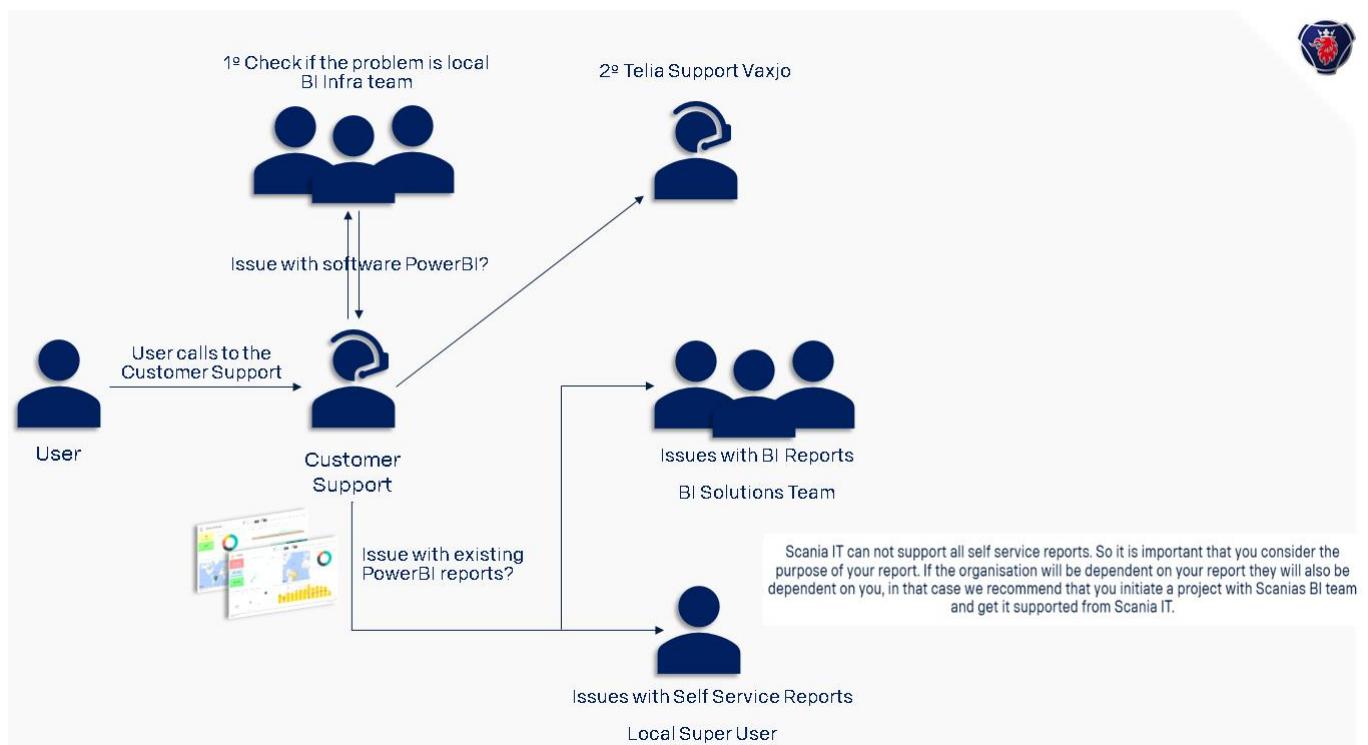
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Level Security





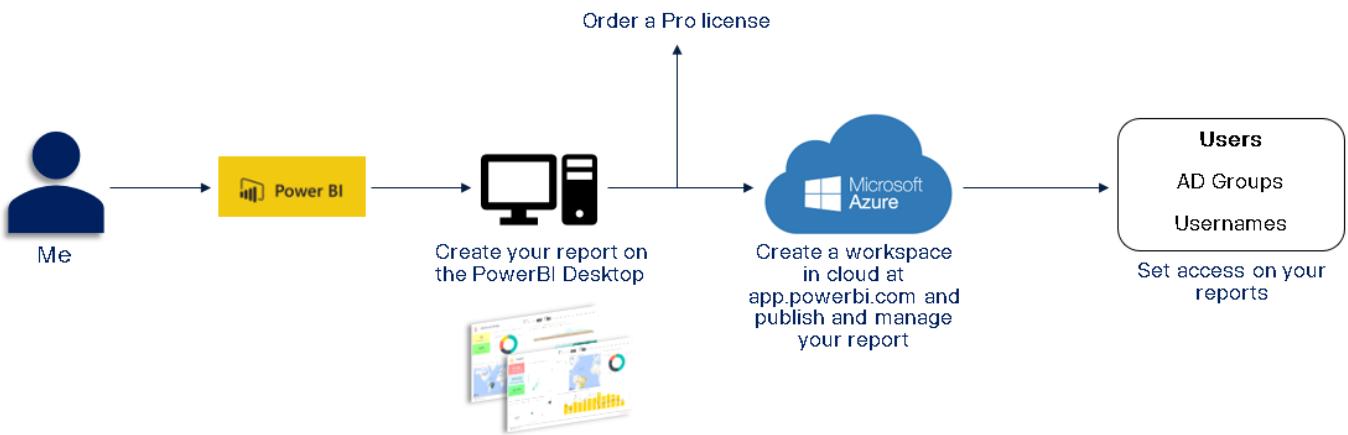
Support



- When the issue is with PowerBI the BI infra team can check first and if the problem is related to the SAAS(PowerBI on Cloud Azure) so the support must be treated by Customer Support from Sweden but the SAAS is 24x7;
- The incident about infra can be redirected to the **AMS PowerBI Advanced Support Scania Latin America** group;
- The incident about reports developed by IT can be redirected to the their groups according to application;
- If the PowerBI report has been developed by Sweden redirect please the incident to the powerbi.support@scania.com



Flow



- 1) User needs to know if the report will be shared or not:
 - a. if yes:
 - i. The data source(database) must be configured on the Gateway and it is handled by BI infra team;
 - ii. The username or AD Group from user must be added on the data source and it is handled by BI infra team;
 - iii. User needs to have the PRO license.
 - b. If no:
 - i. No activity to do because the user will work in stand-alone mode.
- 2) User open the PowerBI desktop using the O365 credential and create the report;
- 3) User open the PowerBI in cloud by <https://app.powerbi.com> and create a workspace with a name;
- 4) In PowerBI desktop the user publishes the report choosing the workspace created on the cloud;
- 5) In PowerBI cloud the user can set the permissions and who(username or AD group) can access the report;
- 6) That report can be accessed by mobile also using the PowerBI software in IOS or Android.



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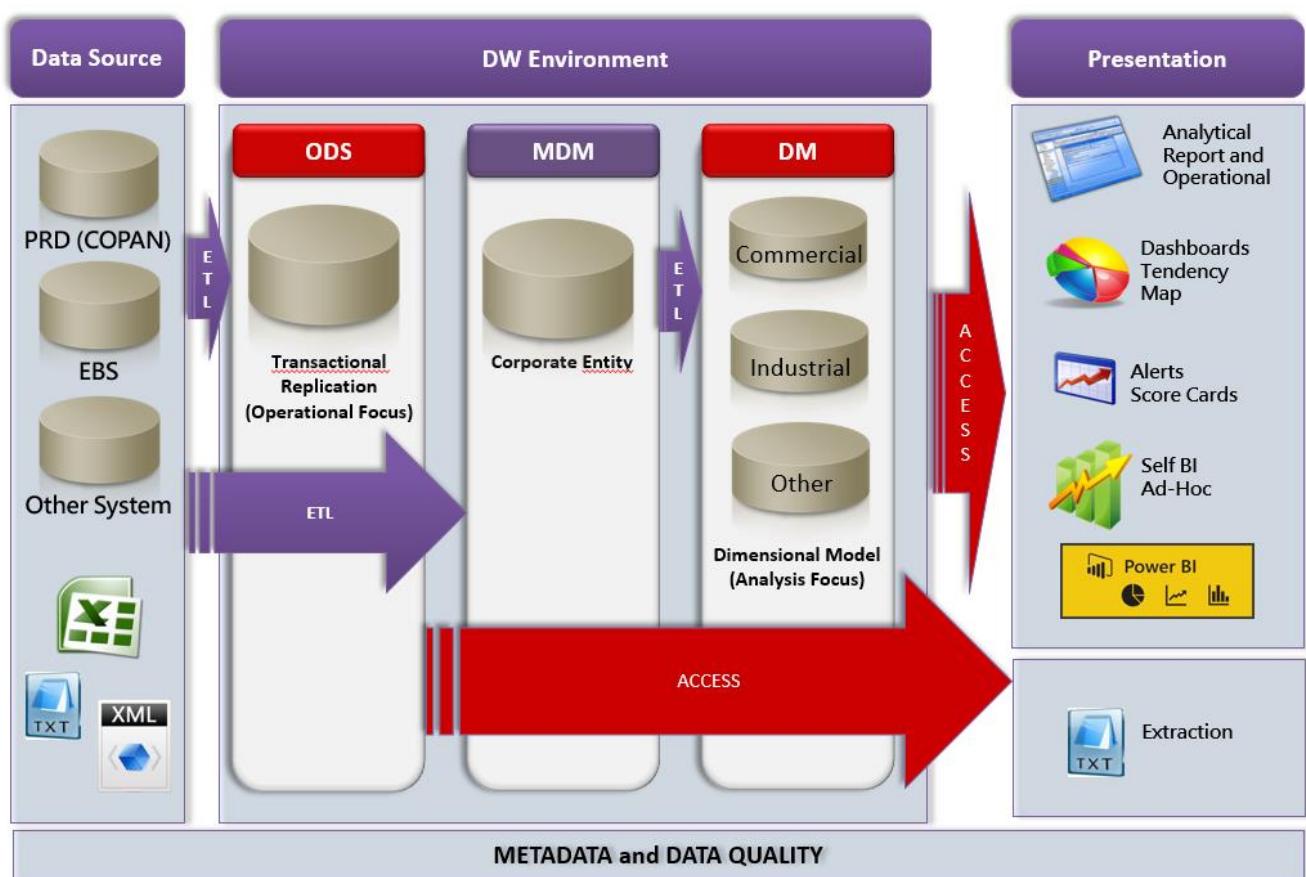
Education

Tips and demos to improve your BI-Skills:

- Get started with PowerBI guide: <https://docs.microsoft.com/en-us/power-bi/service-get-started>
- PowerBI Youtube channel with guides: <https://www.youtube.com/user/mspowerbi>
- PowerBI tutorial: <https://www.youtube.com/watch?v=qqO0EiCn4cY>
- Tutorial
 - <https://docs.microsoft.com/pt-br/power-bi/service-connect-to-services>
 - <https://docs.microsoft.com/pt-br/power-bi/sample-tutorial-connect-to-the-samples>
 - <https://docs.microsoft.com/pt-br/power-bi/desktop-getting-started>
- Self Learning
 - <https://docs.microsoft.com/pt-br/power-bi/guided-learning/>
 - <https://docs.microsoft.com/pt-br/power-bi/guided-learning/gettingstarted>
 - <https://powerbi.microsoft.com/pt-br/learning/>
- Demo
 - <\\global.scd.scania.com\proj\ Public\PowerBI\Demo 20171024>
 - <https://app.powerbi.com/groups/me/reports/3b7cd9fd-f06f-4cb6-9e4d-f0ea7b68af0d?ctid=3bc062e4-ac9d-4c17-b4dd-3aad637ff1ac>
- Dashboards in Zwolle
 - <https://pages.github.scania.com/ScaniaNL/PowerBI-dashboards/>
 - <https://pages.github.scania.com/ScaniaNL/PowerBI-KB/>
- PowerBI On Prem in development environment
 - http://powerbi_dev.scania.com/reports
- Internal Education at Scania – call to SSBKLO or SSBKLD or by link
<https://scania.csod.com/LMS/LoDetails/DetailsLo.aspx?loid=210f36fe-6d8e-4204-8d9c-f27a04554054&query=?q=Power%20BI#t=3>



Reference Architecture





Step by Step

- 1) Open the PowerBi and click on the Get Data;

The screenshot shows the 'Obter Dados' (Get Data) dialog box in Power BI. On the left, there's a sidebar with categories: 'Tudo' (selected), 'Ficheiro', 'Base de Dados', 'Power BI', 'Azure', 'Serviços Online', and 'Outras'. The main area lists data sources under 'Tudo':

- Excel
- Texto/CSV
- XML
- JSON
- Pasta
- Pasta do SharePoint
- Base de dados do SQL Server
- Base de dados do Access
- Base de dados do SQL Server Analysis Services
- Oracle Database
- Base de dados DB2 da IBM
- Base de dados IBM Informix (Beta)
- IBM Netezza
- Base de dados MySQL
- Base de dados PostgreSQL
- Base de dados Sybase

At the bottom, there are links for 'Conectores Certificados' (Certified Connectors), a 'Ligar' (Connect) button in a yellow box, and a 'Cancelar' (Cancel) button.

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- 2) Inform the database name, the connectivity mode if is import data or live connect and the query string;

Oracle Database

Servidor
erere.br.scania.com

Modo de Conectividade de Dados ⓘ
 Importar
 DirectQuery

▲ Opções avançadas

Tempo limite do comando em minutos (opcional)
[]

Instrução SQL (opcional)
select count(*) from PowerBI_test|

Incluir colunas de relação
 Navegar utilizando hierarquia completa

OK Cancelar

Import Data means the data will be stored on the Pbix file so the performance will be faster than Direct Query and the refresh is only on the new data.

Direct Query(live connect) means the data will not be stored on the Pbix file so the performance will be slower than Import Data and the query will be executed in runtime. That mode is recommended by ISEC when the report is used on the cloud.

- 3) The information is showed:



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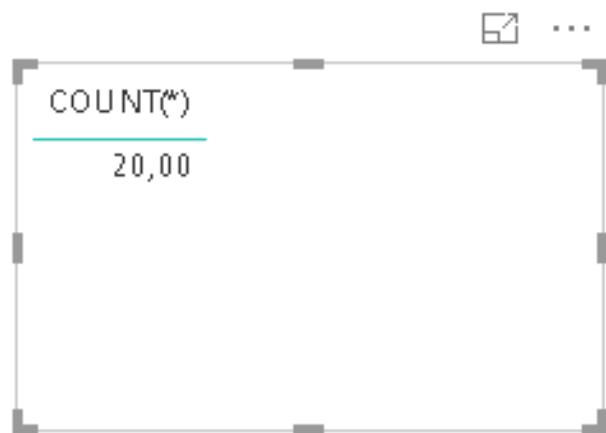
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The screenshot shows a Power BI report window titled "erere.br.scania.com". Inside the report, there is a single value card with the text "COUNT(*)" above a line and "20" below it. At the bottom of the report window, there are three buttons: "Carregar" (Load) in yellow, "Editar" (Edit) in grey, and "Cancelar" (Cancel) in grey.

- 4) Develop a report to show the data saving on the Pbix file:



- 5) Open the PowerBi on the cloud and create a workspace:



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Create an app workspace

Name your workspace

PowerBI_Test

Workspace ID

powerbi_test

Available

Private - Only approved members can see what's inside

Members can edit Power BI content

Add workspace members

Enter email addresses

Add

- 6) Publish your report on the cloud choosing that workspace:



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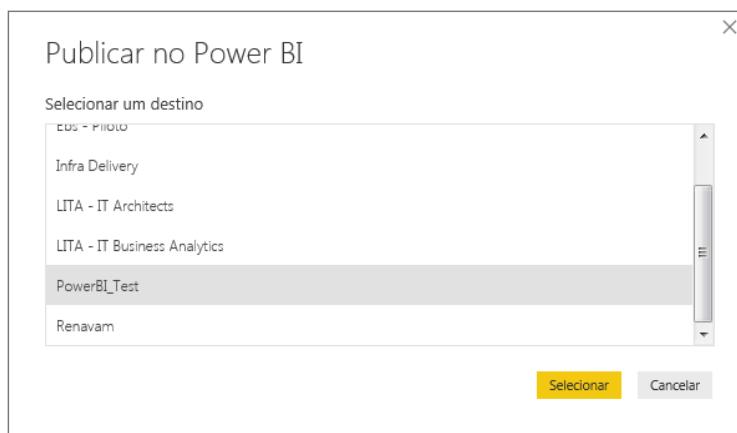
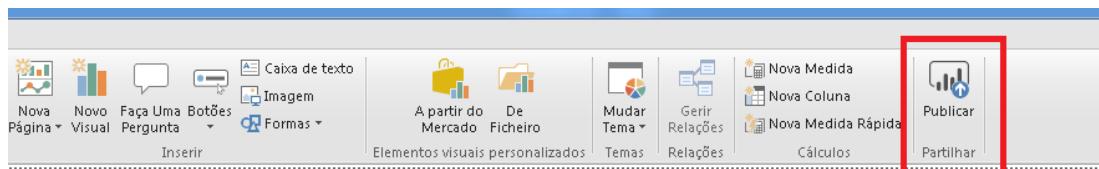
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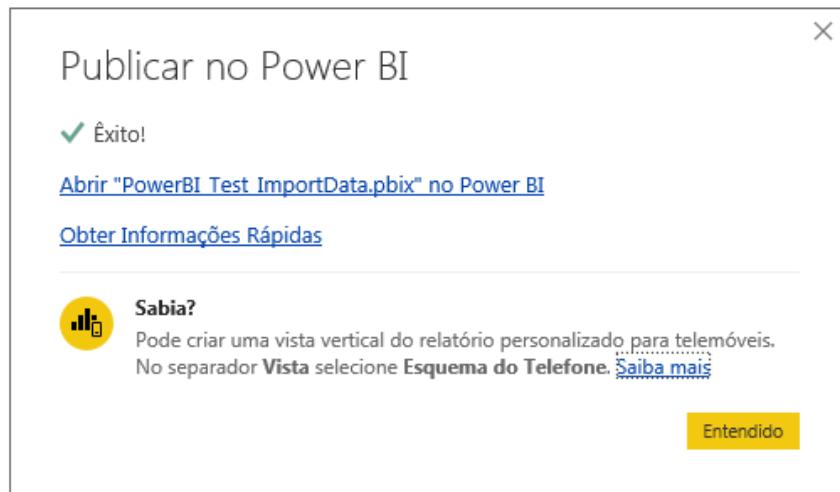
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7) Report published:

COUNT(*)
20,00



8) Report opened on the cloud:



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The screenshot shows the Power BI web interface. The left sidebar includes links for Home (preview), Favorites, Recent, Apps, Shared with me, Workspaces, and the current workspace, PowerBI_Test. The main area displays a report section with a single measure visualization titled 'COUNT(*)' showing the value '20.00'.

9) Know the datasets configuration:

The screenshot shows the 'Datasets' tab selected in the navigation bar. A table lists one dataset: 'PowerBI_Test_ImportData'. The table columns include NAME, ACTIONS, LAST REFRESH, NEXT REFRESH, and API ACCESS. The dataset was last refreshed on 10/16/2018, 2:31:54 PM.

10) What gateway your dataset is:

The screenshot shows the 'Datasets' tab selected. The 'PowerBI_Test_ImportData' dataset is selected. The 'Gateway connection' section shows a single gateway entry: 'PowerBIGW_Prod' (Status: Running on SESOCO3418). A note indicates there are no personal gateways installed, with a link to 'Learn more' and a yellow 'Install now' button. Buttons for 'Apply' and 'Discard' are at the bottom.

11) Configure the refresh:

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[General](#) [Dashboards](#) **Datasets** [Workbooks](#) [Alerts](#) [Subscriptions](#)

Settings for PowerBI_Test_ImportData

PowerBI_Test_ImportDataThis dataset has been configured by Marcius.Nishida@scania.com.Last refresh succeeded: Tue Oct 16 2018 14:31:54 GMT-0300 (Brasilia Standard Time)
[Refresh history](#)

► Gateway connection

► Data source credentials

► Parameters

► Scheduled refresh

Keep your data up to date

 On

Refresh frequency

 Daily ▾

Time zone

 (UTC-03:00) Brasilia ▾

Time

 1 ▾ 00 ▾ AM ▾ X[Add another time](#) Send refresh failure notification email to me Apply Discard

12) Sharing the report to the AD group and handling the permission:



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Share report

RENAVAM_IMPORTDATA

[Share](#) [Access](#)

Only users with Power BI Pro will have access to this report. Recipients will have the same access as you unless row-level security on the dataset further restricts them. [Learn more](#)

Grant access to

BRSA_BI_BUSINESS_ANALYSIS Enter email addresses

Include an optional message...

 Allow recipients to share your report Send email notification to recipients

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Share report

SCANIA_PILOTO_RENAVAM_V04

Share Access

The following have access to this report



Search

| NAME | ACCESS | |
|--|------------------|-----|
| Renavam | Owner | |
| Carlos Eduardo Mendes Silva | Read and reshare | ... |
| Ildo Leite Junior | Read | ... |
| Daniel do Nascimento Santos | Read and reshare | ... |
| Marcius Yukio Nishida | Read and reshare | ... |
| Albert Mattos dos Santos | Read and reshare | ... |
| BRSA_BI_BUSINESS_ANALYSIS | Read and reshare | ... |
| Pending requests for access ⓘ | Read | |
| | Read and reshare | |
| | Remove access | |
| Manage permissions | | |
| Manage shared report views | | |



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13) Changing the permission on the workspace:**Edit workspace**

Name

Privacy

Private - Only approved members can see what's inside

Members can edit Power BI content

Members can edit Power BI content

Members can only view Power BI content

Enter email addresses

Add

| | | | |
|----------------------------|--------|---|---|
| marcius.nishida@scania.com | Admin | ▼ | ■ |
| marcus.wadas@scania.com | Member | ▼ | ■ |

Advanced ▾



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Responsibilities

| | Consumer | Contributor | DataModeler/Admin | PowerBI Developer | Infra |
|---|----------|-------------|-------------------|-------------------|-------|
| PowerBI Platform | No | No | No | No | Yes |
| License | No | No | No | No | Yes |
| Configure the databases on the Gateway | No | No | No | No | Yes |
| Data Modeling in PowerBI | No | No | Yes | Yes | No |
| Create Report | No | Yes | Yes | Yes | No |
| Create Workspace | No | Yes | Yes | Yes | No |
| Create AD group | No | No | Yes | Yes | Yes |
| Define the permission on the Workspace | No | Yes | Yes | Yes | No |
| Publish Report to Workspace | No | Yes | Yes | Yes | No |
| Set permission on the report | No | Yes | Yes | Yes | No |
| Configure the refresh on the dataset | No | Yes | Yes | Yes | No |
| Access Report | Yes | Yes | Yes | Yes | Yes |

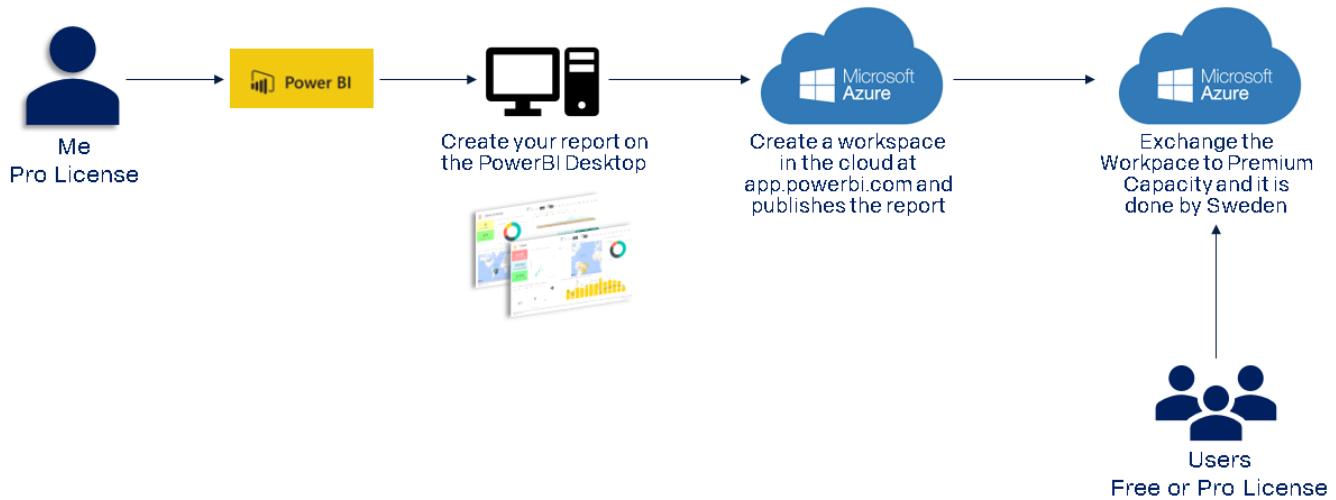
The activities and responsibilities must be discussed on the Bian group.



Workspace Premium Capacity

The workspace with Premium Capacity has some features more according to page 8 and when a report is published on that workspace do not need to have the PRO license.

So it is recommended to share the reports for users no Scania like dealers and the exchange from normal workspace to premium is done by Scania IT in Sweden.



When the report will be shared just inform a mail(live hotmail, gmail, e.g) and the user will use that mail on the PowerBi(<https://app.powerbi.com>)



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PowerBI folder on the Cloud

The PowerBI folder(global\servicepowerbisla) is configured to use in SLA where you can use any files as data source in your report in the cloud scheduling the refresh every time so when the file will be updated the report data in the cloud will be refreshed automatically.

Data Source Settings Users

✓ Connection Successful

Data Source Name

PowerBI Folder SLA

Data Source Type

Folder

Full path

\bfsafs03\powerbi\$

The credentials are encrypted using the key stored on-premises on the gateway server. [Learn more](#)

Windows username

.....

Windows password

.....

>Advanced settings

The step by step to use that functionality is:



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- 1) The files that will be used as data source must be saved on the share [\\brsafs03\powerbi\\\$](\\brsafs03\powerbi\$) but you need to order access before by ACI - <https://aci.br.scania.com/site>
- 2) Choose the option 1 – Request access to a folder or share:

SCANIA Access Control IT

Home |

ACI How can Access Control IT help you today?

We suggest the following:

0 Request access to an application

Click here if you want to request access to an application to yourself or other users.

1 Request access to a folder or share

Click here if you want to request access to a shared network folder to yourself or other users.

2 Follow-up

Do you want to see the *current status* of a request? Click here then, and you'll be able to do it.

3 Services

- * Remote access (SMS)
- * Skype for Business (Lync)
- * Admin Access on Workstation

4 Revoke access

An user has left the company or changed his position? If so click here!

5 Approval

There are no pending approvals.

6 Execution

Click here to see the executions that are pending. You have: 124

7 Network user

Click here to create a network user account to a new employee, third party or administrator or service account.

8 Network items

- * Create outlook account
- * Create a shared email address
- * Create an email distribution list
- * Create meeting room/resource

9 Access Revision and Reports

- * Application by user
- * User by application
- * Detailed Access Report

10 Request Access to Server

- * Windows
- * Linux

- 3) Inform the username that will receive the access, press ADD button and press after the “I’m done selecting users” button:

Server

REQUEST ACCESS TO A NETWORK SHARE

The access will be requested to which user(s) ?

(Inform user name separated by commas)

(Selected user(s): 0)

| | User name | Full name |
|--|-----------|-----------|
|--|-----------|-----------|



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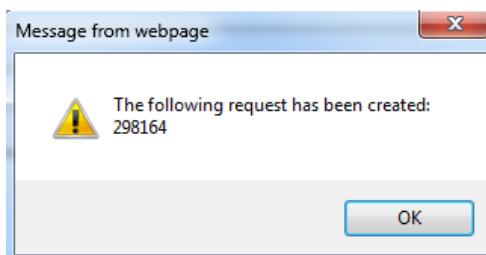
- 4) Choose the Brasil Market, the PowerBI\$ share, select the folder that you want to access and each folder has a responsible to approval and press the continue button:



- 5) Check if the request is OK then press the “Create Request” button:



- 6) The message will be showed with your request number:



- 7) Open a request by Jira for the group **POWER BI - Platform (POWERBI)** ordering permission on the data source **PowerBI Folder SLA**;



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- 8) When your ACI request will be finished the save your file on the share for example [\\brsafs03\powerbi\\$\it;](\\brsafs03\powerbi\$\it;)
- 9) Create your PowerBI report using that file keeping the folder [\\brsafs03\powerbi\\$](\\brsafs03\powerbi$) and publish to the cloud;
- 10) Configure the your dataset on the cloud and turn-on the gateway connection:

Settings for Test

This dataset has been configured by Marcius.Nishida@scania.com.

Last refresh succeeded: Wed Apr 03 2019 13:14:50 GMT-0300 (Brasilia Standard Time)

Next refresh: Thu Apr 04 2019 11:00:00 GMT-0300 (Brasilia Standard Time)

[Refresh history](#)

▲ Gateway connection

To use a data gateway, make sure the computer is online and the data source is added in [Manage Gateways](#).

Use a data gateway

On

| Gateway | Department | Contact information | Status | Actions |
|----------------|------------|--------------------------|-----------------------|---------|
| PowerBIGW_Prod | | powerbi.support@scani... | Running on SESOCO3418 | |

⚠ You have no personal gateways installed. [Learn more](#)

[Install now](#)

[Apply](#)

[Discard](#)

- 11) Schedule the time to refresh:



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► Scheduled refresh

Keep your data up to date



Refresh frequency

Time zone

Time

 [Add another time](#) Send refresh failure notification emails to me

Using Microsoft Flow with PowerBI

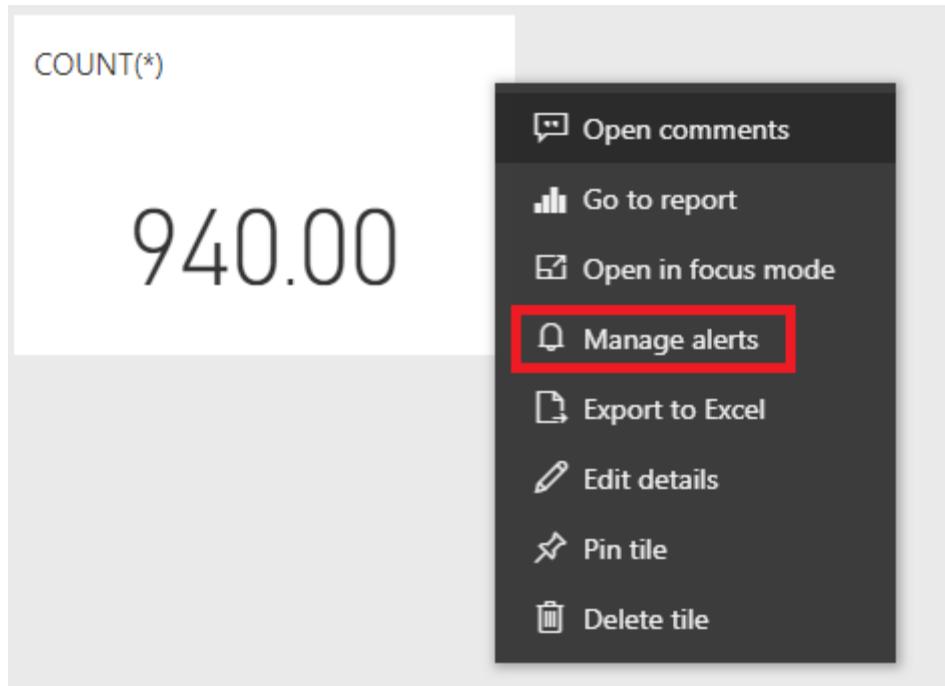
Microsoft Flow is cloud-based software that allows employees to create and automate workflows and tasks across multiple applications and services without help from developers. Automated workflows are called flows. To create a flow, the user specifies what action should take place when a specific event occurs.

Once a flow is built, it can be managed on the desktop or through an app on a mobile device. Flow integrates with various Microsoft services and apps, including Power BI, PowerApps, Dynamics 365 and Office 365.

That tool is available in <https://emea.flow.microsoft.com/en-us/>

An example below was a flow created to collect data from PowerBI and if the KPIs reaches a number then a mail will be sent.

- 1) Configure an alert in PowerBI that you want it, more details you can see by <https://docs.microsoft.com/en-gb/powerapps/maker/canvas-apps/sharepoint-scenario-alerts-flow> :





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- 2) On Manage Alerts screen choose the field the fill the condition that the alert must be sent. In that example the number is 940 and the condition is above 950.

COUNT(*)

Manage alerts

+ Add alert rule

Alert for COUNT(*)

Active On

Alert title

Set alerts rule for

| Condition | Threshold |
|-----------|-----------|
| Above | 950 |

Maximum notification frequency

At most every 24 hours

At most once an hour

Alerts are only sent if your data changes.

By default, you'll receive notifications on the service in the notification center.

Send me email, too

[Use Microsoft Flow to trigger additional actions](#)

Save and close Cancel



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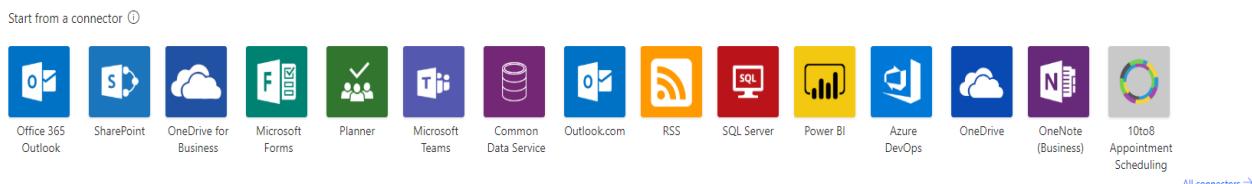
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- 3) Open the Microsoft Flow by URL <https://emea.flow.microsoft.com/en-us/> and create a flow pushing the Create button:

The screenshot shows the Microsoft Flow interface. At the top, there's a header bar with the title 'Automate processes + tasks | Mic' and a search bar containing 'emea.flow.microsoft.com/en-us/'. Below the header is a navigation bar with links for 'Apps', 'Open in Power BI s...', 'LITA Portal', 'Google', and 'Flow'. The main area has a dark header with the word 'Flow'. On the left, there's a sidebar with a list of options: Home, Approvals, My flows, Create (which is highlighted with a red box), Templates, Connectors, Data, AI Builder (preview), Solutions, and Learn.

- 4) Select the connector to start and in that case is PowerBI:



- 5) Choose the PowerBI and the Alert id created on the step 2:

This screenshot shows a step configuration in Microsoft Flow. The step is titled 'When a data driven alert is triggered (Preview)'. It has a yellow border. Inside, there's a field labeled '*Alert Id' with the placeholder 'The alert id to track.' Below it is a field labeled 'Alert for COUNT(*)' with the placeholder 'Enter custom value'. At the bottom are two buttons: '+ New step' and 'Save'.



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- 6) Choose the Outlook connector to send the mail where you can configure the To, Subject and the Body:

The screenshot shows a Microsoft Flow interface. At the top, there is a yellow header bar with a bar chart icon and the text "When a data driven alert is triggered (Preview)" followed by three dots. Below this is a large blue rectangular box labeled "Send an email 2". Inside the box, there are three input fields: "To" with the value "marcius.nishida@scania.com", "Subject" with the value "KPI Count.", and "Body" with the value "Testing the Microsoft Flow.". Below these fields is a link "Show advanced options ▾". At the bottom of the blue box are two buttons: "+ New step" and "Save".

- 7) When the alert reached above 950 the mail has been sent:

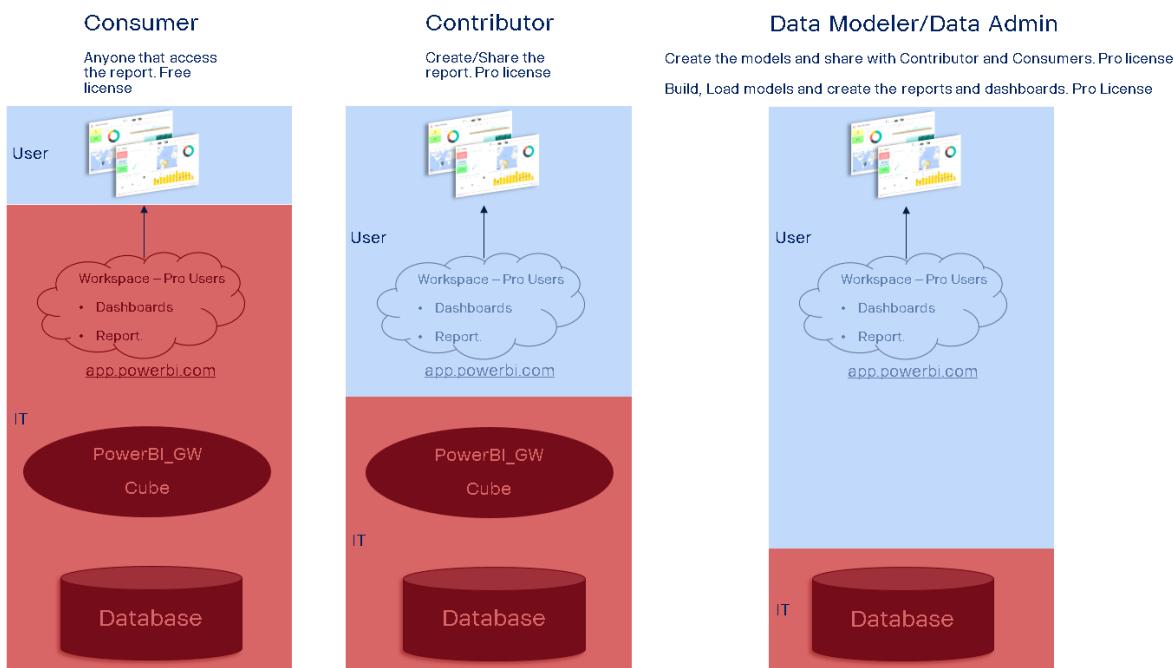
The screenshot shows a Microsoft Outlook window. The title bar says "KPI Count. - Message (Plain Text)". The ribbon tabs are "File", "Message", "Adobe PDF", and "Tell me what you want to do". The "Message" tab is selected. The toolbar includes icons for Delete, Archive, Reply, Reply All, Forward, Infostrategy, To Manager, Team Email, Move, Tags, Editing, Zoom, and Send to OneNote. The main pane displays an email message from "Yukio Nishida, Marcius" to "Yukio Nishida, Marcius". The subject is "KPI Count.". A status bar at the bottom left says "This message was sent with Low importance." The body of the email contains the text "Testing the Microsoft Flow.".



Way-of-Working in Self-Service BI

According to page 5 the SLA is working in two ways below basically:

- Consumer: IT is responsible to create the data in Data Warehouse or dataset in PowerBI and also the reports and the business only use it;
- Contributor: IT is just responsible to create the data in Data Warehouse and the report is created by business, this is Self-Service BI concept.



For the Contributor mode the best-practices are:

- Data available in Data Warehouse is enough to create the report?
 - If Yes: IT can create the data in PowerBI dataset or it can create also in Analysis Services tool so the report cannot use other data source;
 - Is Not: Business must connect direct to the Data Warehouse so the report can use others data sources like excel, files and etc.
 - Please read the page 18;
 - The correct is: each user has its username into Data Warehouse like OPS\$SSBX^{XX} so we will have the governance, audit and also the refresh on the Cloud will work normally. If the business will use a

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service username like usr_XXX the refresh on the cloud will not work.

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How to open PowerBI Tool

The PowerBI Tool in the Cloud and On-Premises are available on SLA-Applications(<https://sla-applications.br.scania.com/site>) as below:

The screenshot shows the SLA Applications dashboard. At the top, there's a navigation bar with links like Apps, Open in Power BI, LITA Portal, Google, Gmail, DBMap, Jira BI, Service Center, PowerBI, PBI - DEV, PBI - PROD, and JumpServer. Below the navigation bar, the SLA Applications logo is displayed. A horizontal menu bar contains links for ENG. & PROD., FINANCE, FLASH, COMMUNICATION, IT, SLA PURCHASING, PROD.CTRL., SALES & MKT, BI (which is highlighted with a red box), VISAWEB, and SELECT ENV. A dropdown menu for BI is open, listing options: DISCOVERER PLUS, DISCOVERER VIEWER, EIS - EXEC. INFORMATION SYSTEM, EIS COGNOS8.4, EIS COGNOS10, POWERBI ON PREMISES (which is highlighted with a red box), and POWERBI CLOUD.

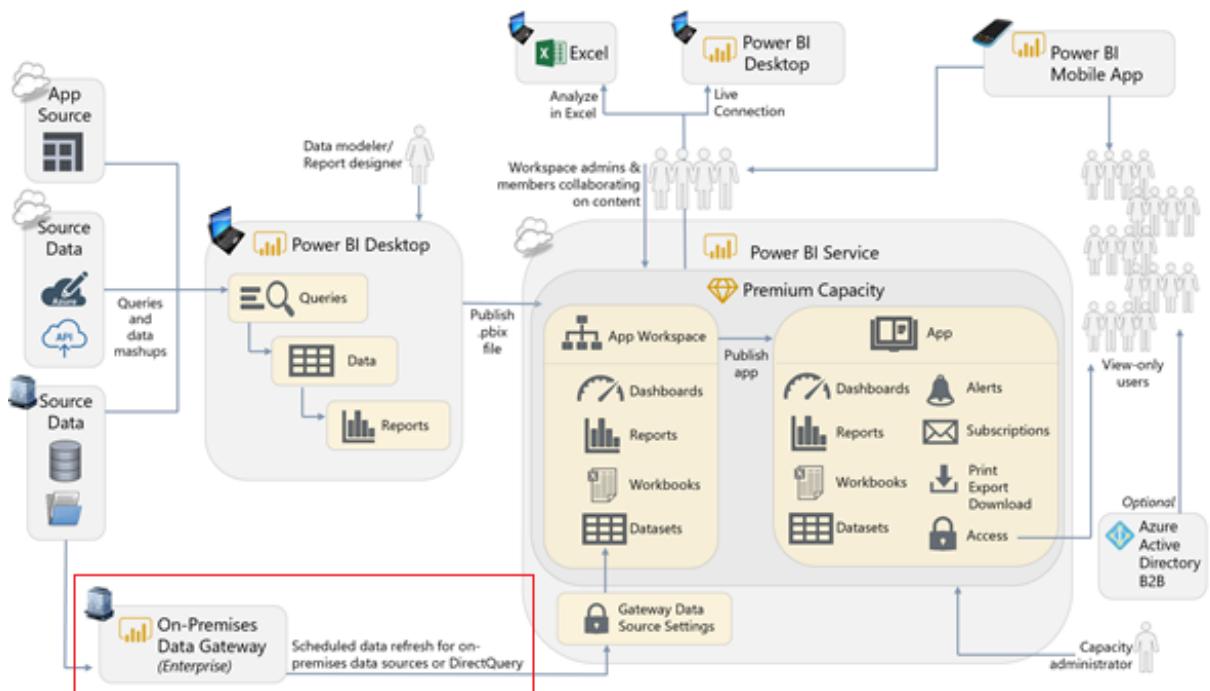
For mobile is available in IOS and Android:

The screenshot shows the Microsoft Power BI app page on the App Store. The app icon features a yellow square with a bar chart. The title is "Microsoft Power BI" with the subtitle "Análise de dados de negócios". There's a blue "ABRIR" (Open) button. Below the icon, it says "4,8 ★★★★★" (4.8 stars), "6,64 mil Avaliações" (6,64 reviews), "Nº102 Negócios", and "4+ Idade". Under "Novidades", it says "Versão 19.0" and "Há 2 sem". A note states "- Improved stability and fixed various bugs.". Under "Pré-visualizar", there are two screenshots of the app interface showing charts and graphs. At the bottom, there are navigation icons for "Hoje", "Jogos", "Apps", "Atualizações", and "Buscar".



PowerBI Gateway SLA

The PowerBI Gateway has been implemented in Brazil helping on the performance in PowerBI reports that uses Direct-Query mode, we were using that gateway in Sweden before.



The Gateway-SLA are below and the data sources registered in each one are:

- SLAPBIGW_Test for test environment running on the BRSACO0514 server;

| Database | Description |
|---------------------|----------------------------------|
| Braga.br.scania.com | Prossess application for Truck |
| Delta.br.scania.com | New Data Warehouse – Development |
| Ipira.br.scania.com | New Data Warehouse – Acceptance |

- SLAPBIGW_Prod for production environment running on the BRSACO0513 server.

| Database | Description |
|---------------------|--------------------------------|
| Penha.br.scania.com | Prossess application for Bus |
| Moema.br.scania.com | Prossess application for Truck |
| Erere.br.scania.com | Data Warehouse |

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| | |
|----------------------|---------------------------------|
| Franca.br.scania.com | New Data Warehouse – Production |
| PowerBI Folder SLA | Folder for SLA |

If you have PowerBi report on the Cloud please check the Gateway connection and change to the SLAPBIGW_Test or SLAPBIGW_Prod according to list above.

Settings for Quality Gate Truck

This dataset has been configured by Marcius.Nishida@scania.com.

[Refresh history](#)

▲ Gateway connection

To use a data gateway, make sure the computer is online and the data source is added in [Manage Gateways](#). If you're using an On-premises data gateway (standard mode), please select the corresponding data sources and then click apply.

Use a data gateway

On

| Gateway | Department | Contact information | Status | Actions |
|--|------------|--------------------------|--------------------------------------|---------|
| <input checked="" type="radio"/> SLAPBIGW_Test | LITA | Marcius.Nishida@scani... | ✓ Running on BRSACO0514 | |

Data sources included in this dataset:

| | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> Oracle{"server":"braga.br.scania.com"} | Maps to: BRAGA.br.scania.com O ▾ |
|--|----------------------------------|

| | | | | |
|-------------------------------------|------|--------------------------|---|--|
| <input type="radio"/> SLAPBIGW_Prod | LITA | Marcius.Nishida@scani... | ✗ Not configured correctly | |
|-------------------------------------|------|--------------------------|---|--|

⚠ You have no personal gateways installed. [Learn more](#)

[Install now](#)

[Apply](#)

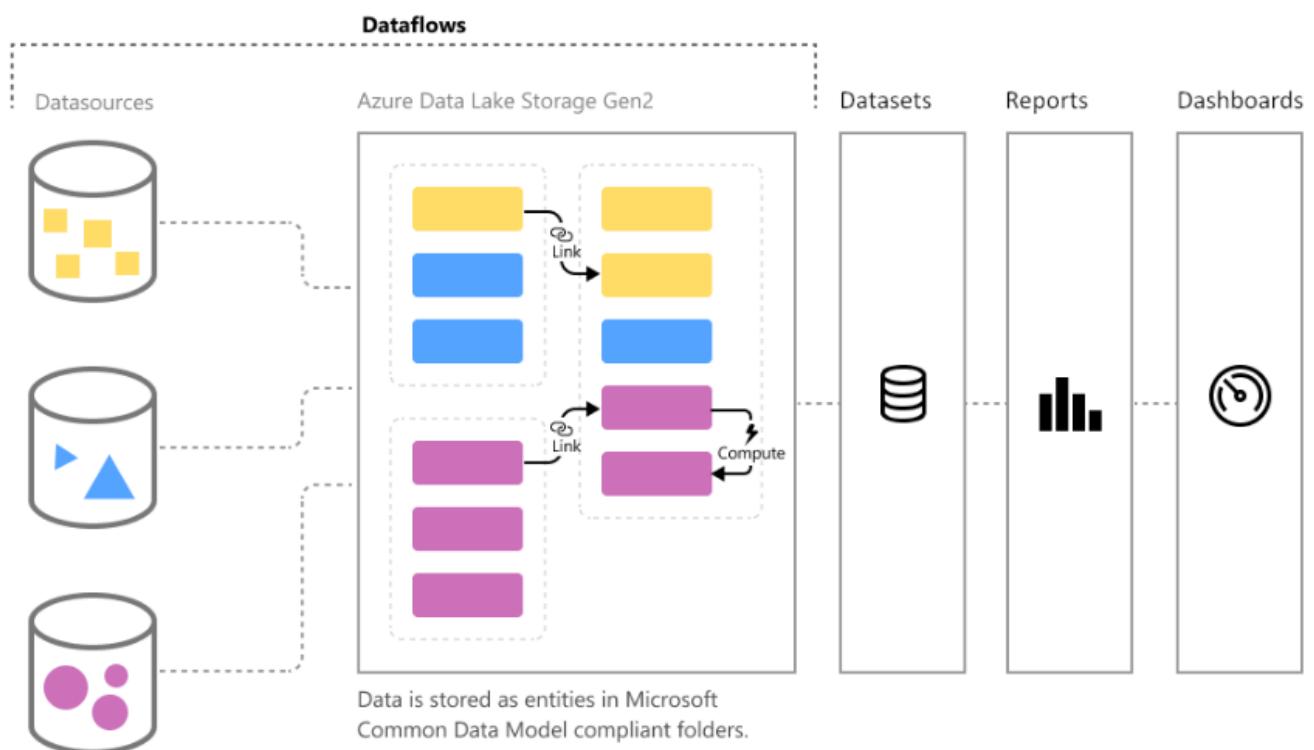
[Discard](#)



Data Flow

As the PowerBI Gateway has been implemented in Brazil the Data Flow feature is available now to be used where you can your dataflow taking data in many different data sources.

More details please read the link <https://docs.microsoft.com/en-gb/power-bi/service-dataflows-overview>



The data sources available to use on the Data Flow are:

- SLAPBIGW_Test for test environment running on the BRSACO0514 server;

| Database | Description |
|---------------------|----------------------------------|
| Braga.br.scania.com | Process application for Truck |
| Delta.br.scania.com | New Data Warehouse – Development |
| Ipira.br.scania.com | New Data Warehouse – Acceptance |



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- SLAPBIGW_Prod for production environment running on the BRSACO0513 server.

| Database | Description |
|----------------------|---------------------------------|
| Penha.br.scania.com | Prossess application for Bus |
| Moema.br.scania.com | Prossess application for Truck |
| Erere.br.scania.com | Data Warehouse |
| Franca.br.scania.com | New Data Warehouse – Production |
| PowerBI Folder SLA | Folder for SLA |

The steps to use Data Flow are:

- 1) If you would like to use the Data Flow taking data from Data Warehouse your name must be included on the data sources first, if your username is not included yet so open a request by Jira please for the group **POWER BI - Platform (POWERBI)** ordering permission on the data source.

The screenshot shows the 'Data Source Settings' page for a gateway cluster named 'SLAPBIGW_Test'. On the left, under 'GATEWAY CLUSTERS', 'SLAPBIGW_Test' is expanded, showing three Oracle connections: 'BRAGA.br.scania.com Oracle', 'IPIRA.br.scania.com Oracle', and 'DELTA.br.scania.com Oracle'. A 'Test all connections' button is visible below the connection list. On the right, the 'Users' tab is selected, showing a list of users who can publish reports using this data source. The user 'Marcius Yukio Nishida' is listed with a checked checkbox next to their name. Below the list is a 'Remove' button.

- 2) On the PowerBI in the Cloud press Create button and after Data Flow:



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The screenshot shows the Power BI Cloud Dataflows workspace. At the top, there are navigation links: Dashboards, Reports, Workbooks, Datasets, and Dataflows (which is underlined). Below these are search and filter fields. A sidebar on the right lists items: Dashboard (selected), Report, Dataset, Streaming dataset, and Dataflow. It also shows a refresh icon and a message "Showing 0 items". In the center, there's a placeholder image of a computer monitor and a message: "You don't have any dataflows" followed by "All dataflows in this workspace will be here."

3) Press the Add New Entities:

The screenshot shows the "Start creating your dataflow" interface. It features two main sections: "Define new entities" and "Import Model".
The "Define new entities" section contains the following text:

Choose a data source to define the entities for your dataflow. You can map your data to [standard Common Data Model](#) entities, or define custom entities instead.

[Learn more](#)

Below this is a yellow button labeled "Add new entities".
The "Import Model" section contains the following text:

Choose a dataflow model to import into your workspace.

[Learn more](#)

Below this is a yellow button labeled "Import model".



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4) Choose the Oracle database:

Choose data source

All categories File Database Azure Online services Other

Search

Data sources

| | | | | |
|-------------------------------------|---|------------------------------------|------------------------------------|--|
| Access File | Excel File | JSON File | PDF File | Text/CSV File |
| XML File | Amazon Redshift Database | IBM Db2 database Database | MySQL database Database | Oracle database Database |
| PostgreSQL database Database | SQL Server database Database | Sybase database Database | Teradata database Database | Vertica Database |
| Azure Blobs Azure | Azure Data Explorer (Kusto) Azure | Azure SQL Data Warehouse Azure | Azure SQL database Azure | Azure Tables Azure |
| Common Data Service Online services | Microsoft Exchange Online Online services | Salesforce objects Online services | Salesforce reports Online services | SharePoint Online list Online services |
| SharePoint folder Online services | Smartsheet Online services | Active Directory Other | OData Other | Odbc Other |

Templates

| | | | |
|---|---|---|---|
| Accounts, leads, opportunities Salesforce Online services | Lead to cash Dynamics 365 for Sales Online services | Leads, opportunities Dynamics 365 for Sales Online services | Quotes, orders, invoices Dynamics 365 for Sales Online services |
|---|---|---|---|

5) Fill the server, On-Premises data gateway, authentication kind, username and password:

Connect to data source

Oracle database Database

Connection settings

Server
braga.br.scania.com

Connection credentials

On-premises data gateway
[Admin] SLAPBIGW_Test

Authentication kind
Basic

Username
[ENCRYPTED]

Password

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6) Choose the tables to create your data flow:

Choose data

Search

Display options ▾

- PROSSESS.CHA_MUV_310
- PROSSESS.CHA_MOV_310_SAV
- PROSSESS.CHA_MOV_SAV
- PROSSESS.CHARGE_CLUSTER
- PROSSESS.CHASSIS
- PROSSESS.CHASSIS_AUDIT
- PROSSESS.CHASSIS_FD_RECUP_INTERS
- PROSSESS.CHASSIS_LIG1
- PROSSESS.CHASSIS_LIG2
- PROSSESS.CHASSIS_SPEC
- PROSSESS.CHRONOTACHY
- PROSSESS.CIMI_AFTERTINEDATES
- PROSSESS.CLUST_CHA_SOUTIEN
- PROSSESS.CLUSTER_WORKPLACE
- PROSSESS.COMMANDE_MAGASIN_T30
- PROSSESS.COMPOSANT_RETRAIT
- PROSSESS.COND_PREPA_FFU
- PROSSESS.CONDITION_PARAM_FFU
- PROSSESS.CONTROLE_BATTERIES
- PROSSESS.DEFAULT
- PROSSESS.DEFAULT_KD_BUS
- PROSSESS.DEVIATION
- PROSSESS.DPT_CLUSTER
- PROSSESS.DPT_PLAN
- PROSSESS.ECHANTILLON
- PROSSESS.EMPLACEMENT

Select related tables

7) Your data flow is ready to be used and you can also create an agenda for refresh:

Entities Machine learning models

Edit entities Add entities Close

| ENTITY NAME | ENTITY TYPE | ACTIONS |
|--------------------|-------------|---------|
| PROSSESS PARAM_FFU | Custom | |



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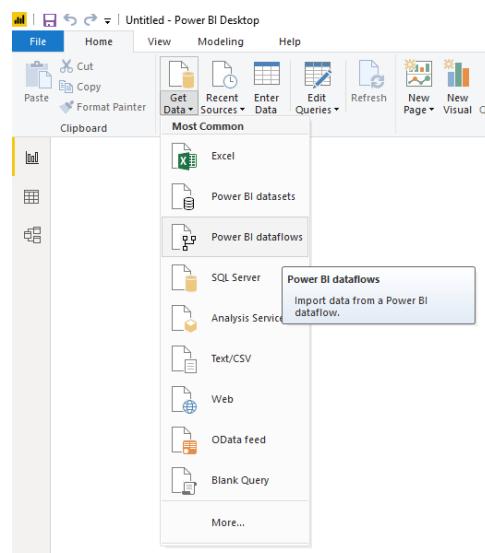
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- 8) If you open PowerBI desktop, press Get Data button and choose the option PowerBI Data Flows:



- 9) Your data flow will be showed as data source:



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- 10) The data will be showed and you can use also others data sources where the Get Data button will not be disabled.

The screenshot shows the Microsoft Power BI Desktop interface. The ribbon at the top has several tabs: File, Home, View, Modeling, Help, Format, and Data / Drill. The 'Home' tab is selected. In the 'External data' section of the ribbon, there is a 'Get Data' button, which is highlighted with a red box. Below the ribbon, there is a data grid table titled 'VAR353'. The columns are labeled 'TYPE', 'LIGHT_FFU', 'LIBELLE', 'BODY_FFU', 'ALLOWEDONLINE', 'REALISE', and 'REALISE_FFU'. The data grid contains 14 rows of vehicle-related data. On the left side of the screen, there is a visual pane showing a small preview of the data.

| VAR353 | TYPE | LIGHT_FFU | LIBELLE | BODY_FFU | ALLOWEDONLINE | REALISE | REALISE_FFU |
|--------|------|-----------|---|----------|---------------|---------|-------------|
| 0 | FFU | N | FFU comb - Mining Chile | N | Y | N | |
| 0 | FFU | N | HUB cap for driving axle, serie 60 years | N | Y | N | |
| 0 | FFU | N | Scania Peru 6x4 Off-road combination | N | N | N | |
| 0 | FFU | N | 500l fuel tank | N | Y | N | |
| 0 | FFU | N | 65th anniversary - R460 Vehicle accessories FFU | N | Y | N | |
| 0 | FFU | N | 8x4 - Tipper Complete Vehicle (Rossetti) | N | N | N | |
| 0 | FFU | N | 8x4 Tipper Complete Vehicle (Randon tipper) | N | Y | N | |
| 0 | FFU | N | ACL Lincoln 10x4*6 | N | N | N | |
| 0 | FFU | N | ACL Lincoln 6x4 | N | N | N | |
| 0 | FFU | N | ACL Lincoln 8x4 | N | N | N | |
| 0 | FFU | N | Adjustments of OPC parameters for mining trucks | N | Y | N | |
| 0 | FFU | N | Air restrict. indicator | N | N | N | |
| 0 | FFU | N | Air tank relocation from position J to E | N | N | N | |
| 0 | FFU | N | Alcohol interlock (not in use) | N | N | N | |



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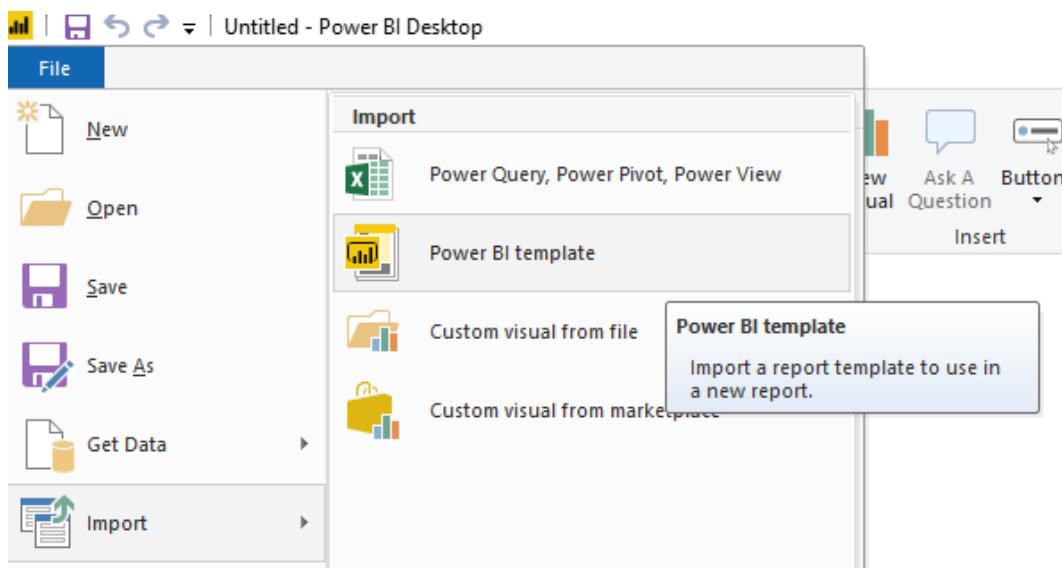
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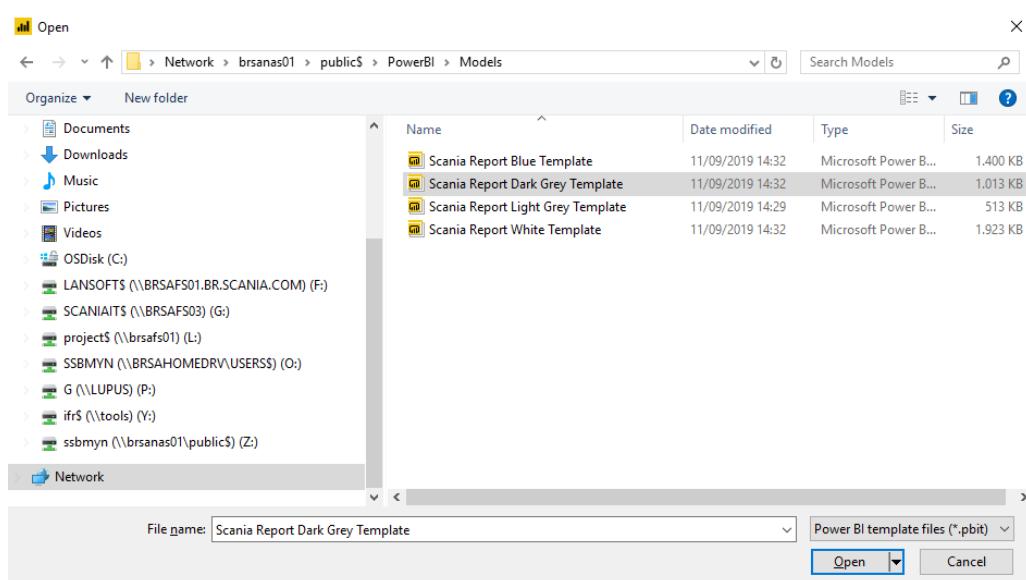
Scania Template and Theme

If you would like to use the Scania template or theme on the PowerBI the step-by-step is:

- PowerBI Template: Menu File\Import\PowerBI Template:



- Fill the path [\\brsanas01\public\\$\PowerBI\Models](\\brsanas01\public$\PowerBI\Models) and choose a template:





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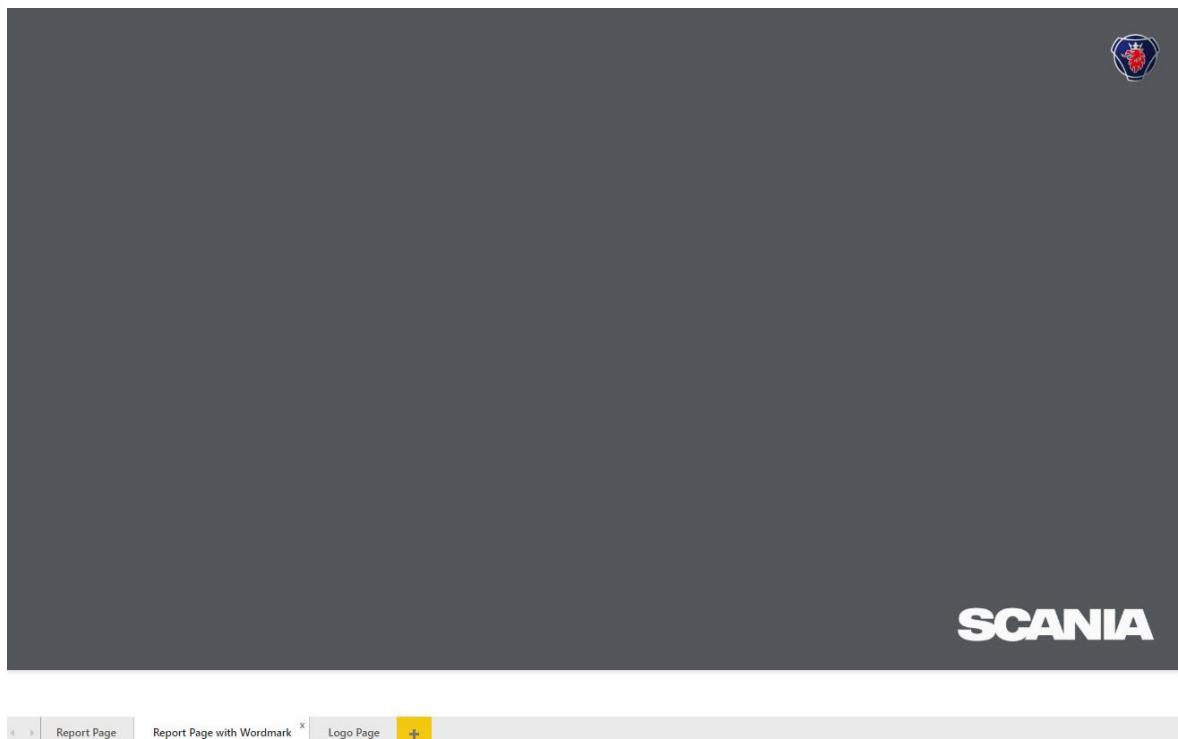
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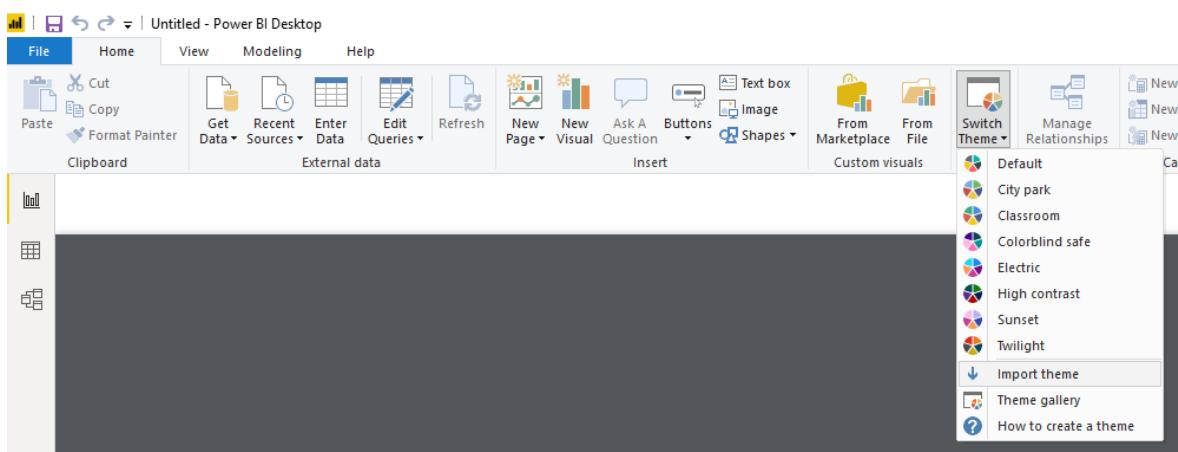
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- c) The template will be loaded with Scania logo:



- d) PowerBI Theme: Menu Home\Switch Theme\Import theme:



- e) Fill the path [\\brsanas01\public\\$\PowerBI\Themes](\\brsanas01\public$\PowerBI\Themes) and choose a theme:



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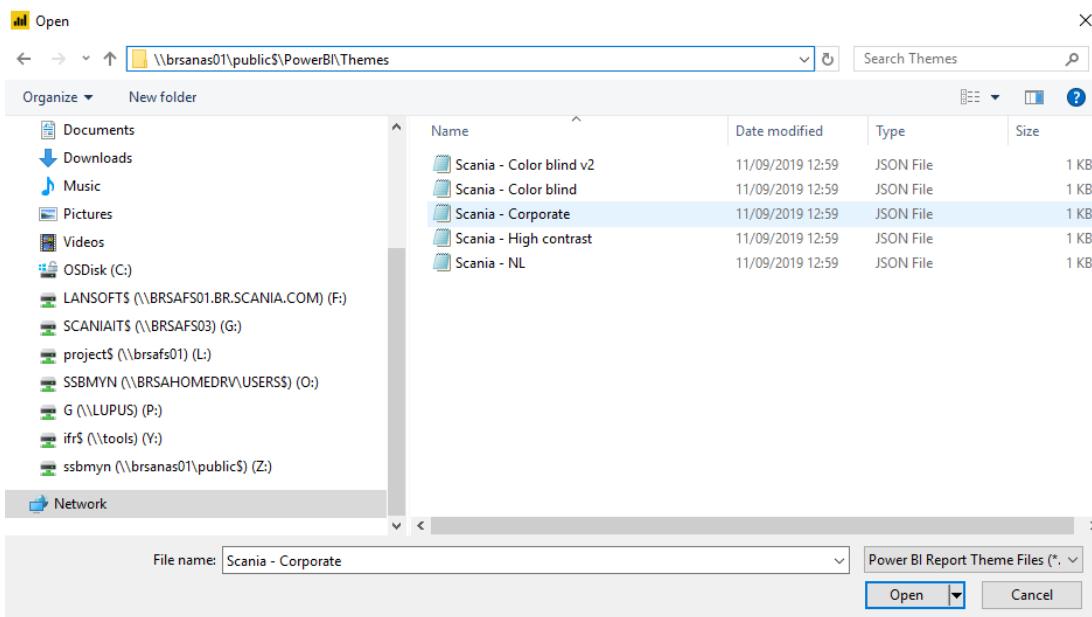
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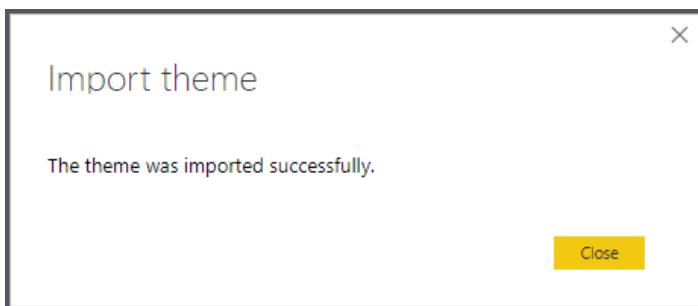
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f) You will receive a message as below:



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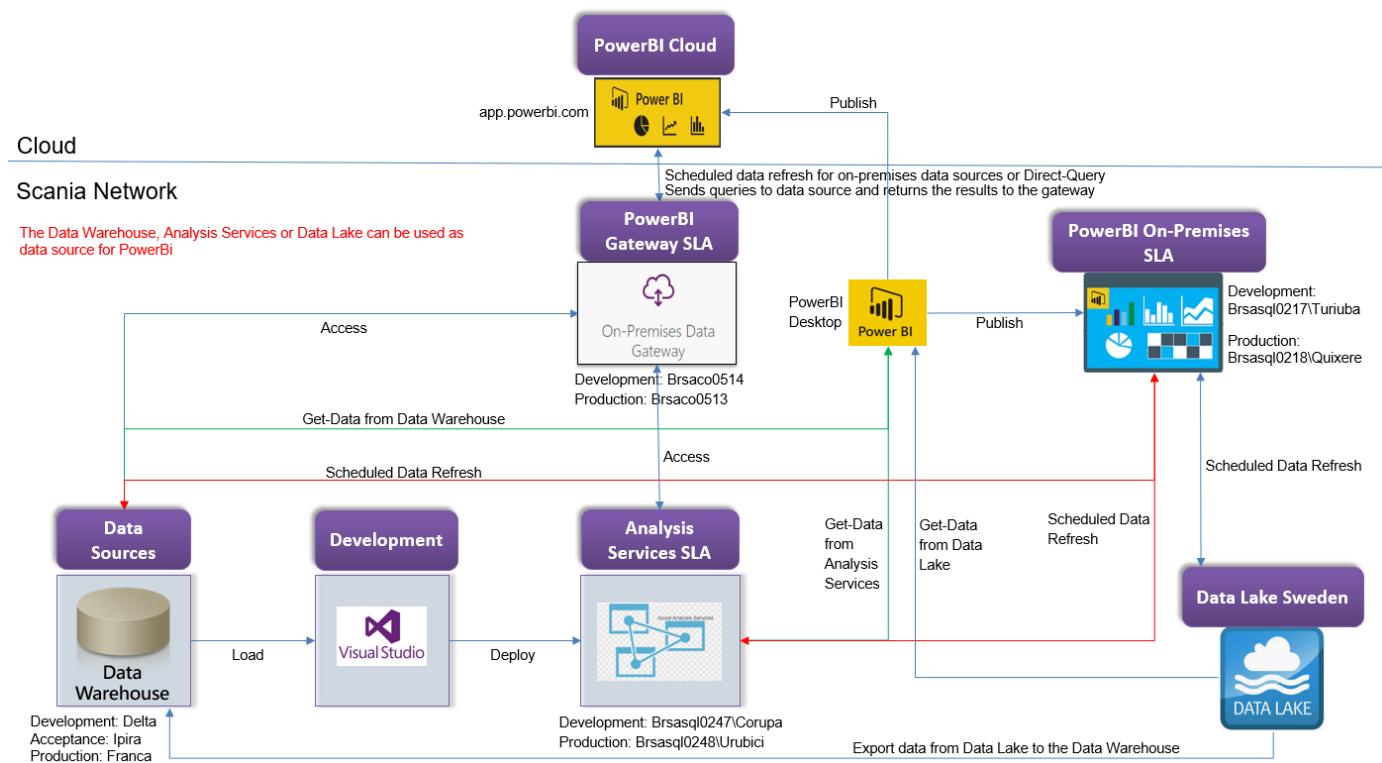
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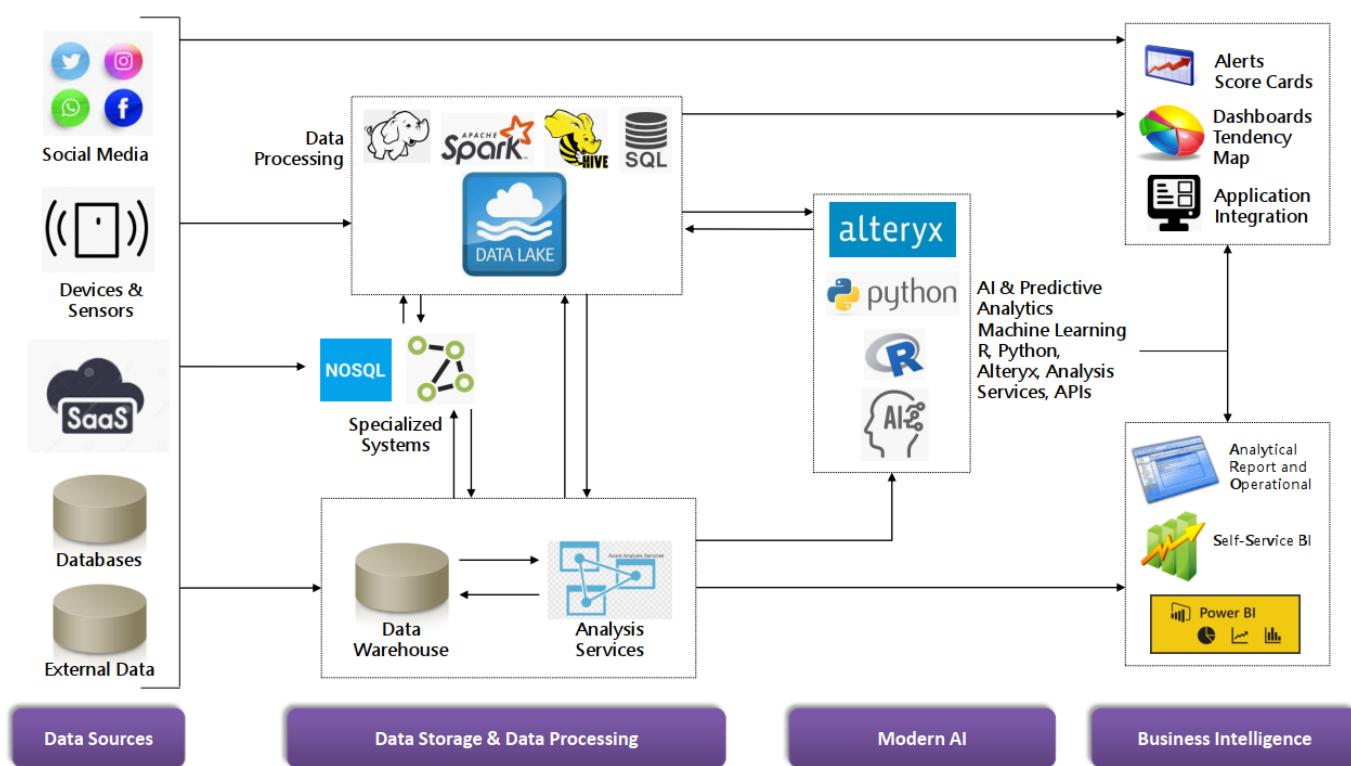
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PowerBI Architecture





General Architecture



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Incremental Refresh PowerBI Pro

That functionality is now released for PowerBI PRO license and if you have a big dataset in PowerBI taking information from database you can do the incremental refresh avoiding the timeout for example.

Please watch this video to know how it works

<https://www.youtube.com/watch?v=03CLJib9O8s&feature=youtu.be>



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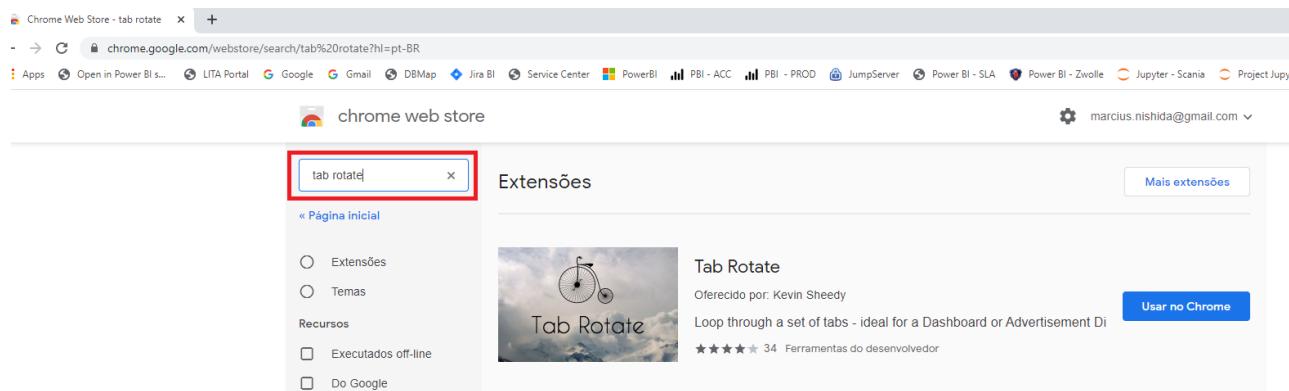
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Tab Rotate and Refresh in PowerBI

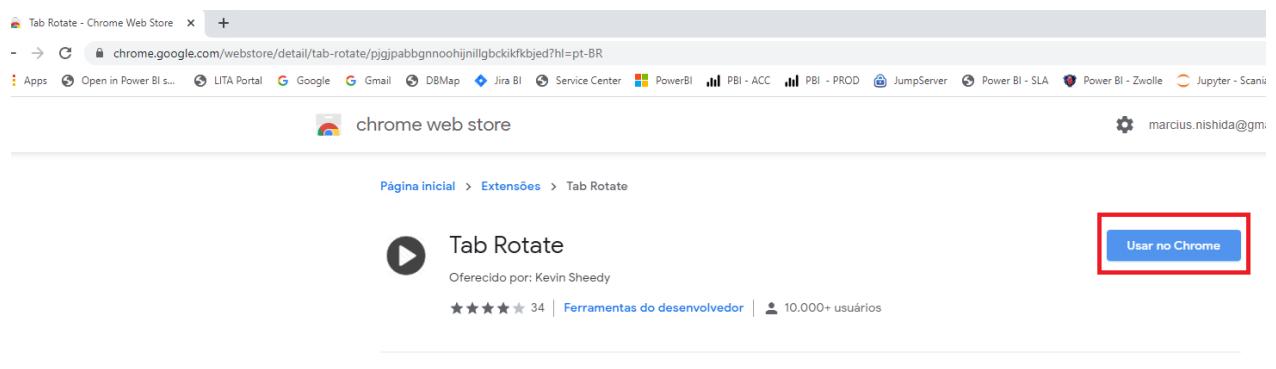
If you would like to run your PowerBI report on TV changing the tab and refresh automatically on Google Chrome please follow the instructions below:

- 1) Open the URL
https://chrome.google.com/webstore/category/collection/everyday_extensions?hl=pt-BR by Google Chrome;
- 2) Find the Tab Rotate extension;



The screenshot shows the Google Chrome Web Store interface. The search bar at the top contains the text 'tab rotate'. Below the search bar, the results are displayed under the heading 'Extensões'. A single extension, 'Tab Rotate', is listed. It features a thumbnail image of a bicycle wheel, the text 'Tab Rotate', and a brief description: 'Loop through a set of tabs - ideal for a Dashboard or Advertisement'. The 'Usar no Chrome' button is visible on the right side of the extension card.

- 3) Click on Usar em Chrome button and add the extension:



The screenshot shows the detailed view of the 'Tab Rotate' extension on the Google Chrome Web Store. At the top, the extension's name 'Tab Rotate' is displayed along with its developer, 'Kevin Sheedy'. Below this, the rating '★★★★★ 34 | Ferramentas do desenvolvedor' and the number of users '10.000+ usuários' are shown. On the right side of the page, there is a large blue 'Usar no Chrome' button, which is highlighted with a red box.

- 4) Fill the URL Report with your report link, time duration in seconds and also the time in reload interval and save the configuration:

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Tab Rotate Options

Config Source:

- Local Storage
- Remote Url

```
{
  "settingsReloadIntervalMinutes": 1,
  "fullscreen": false,
  "autoStart": false,
  "lazyloadTabs": false,
  "websites": [
    {
      "url": "http://powerbisla.br.scania.com/reports/powerbi/Pilot/PowerBI_Test_DirectQuery",
      "duration": 5,
      "tabReloadIntervalSeconds": 5
    },
    {
      "url": "https://app.powerbi.com/groups/a0c929b3-7918-4a87-86c6-335ac96d4b98/reports/3b7cd9fd-f06f-4cb6-9e4d-f0ea7",
      "duration": 5,
      "tabReloadIntervalSeconds": 5
    }
  ]
}
```

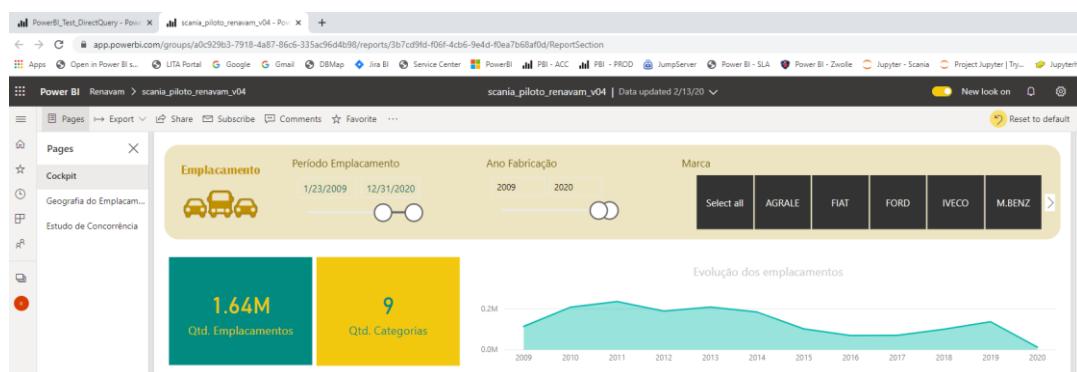
JSON: Valid

[Cancel](#)[Save](#)

- 5) Click on the Play button on the right side to run the PowerBI reports:



- 6) The Google Chrome will run the reports changing the tabs automatically:



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- 7) If you want to show the report in fullscreen mode just to include the parameter **?chromeless=true** on the final URL, it works only in PowerBI Cloud. Example:
<https://app.powerbi.com/groups/a0c929b3-7918-4a87-86c6-335ac96d4b98/reports/3b7cd9fd-f06f-4cb6-9e4d-f0ea7b68af0d/ReportSection?chromeless=true>



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Ordering the PowerBI Premium Capacity

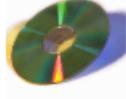
Starting January 1, 2020, the service Power BI Premium Capacity Workspace is no longer centrally financed based on a central decision from Pricing And Calculation Council (PACC) December 2019.

Therefore, the existing workspaces assigned to premium capacity need to re-order their premium capacity in order to keep it.

Each workspace using premium capacity will cost 250 SEK per month. In order to keep the premium capacity on your workspace, make sure you put an order in
http://orderit.scania.com/Site/PackageDetails_View.aspx?ProductId=PKG-1024&CategoryTitle=Application%20Roles&CategoryId=CAT-486&node=CAT-279 before April 1st 2020.

It is a prerequisite to include the name of your workspace in the order before checkout.

Customise Package

| | | |
|--|---|---|
| Power BI Desktop and Application: Order Power BI Desktop and/or License Order Access for Power BI Application |  | Power BI Capacity Premium Workspace:  <input type="radio"/> None [0,00 SEK & 0,00 SEK] <input type="radio"/> Power BI Desktop Cloud [0,00 SEK & 0,00 SEK] <input type="radio"/> Power BI Pro Licences, Cloud [0,00 SEK & 0,00 SEK] <input type="radio"/> Power BI Desktop on Prem [0,00 SEK & 0,00 SEK] <input type="radio"/> Power BI Application New and Cancel [0,00 SEK & 0,00 SEK] <input checked="" type="radio"/> Power BI Premium Capacity Workspace [0,00 SEK & 0,00 SEK] |
|--|---|---|

All workspaces which currently have premium capacity but have not ordered it through OrderIT by March 31st will have the premium capacity turned off starting April 1st.

A reminder will be sent out in the end of March, but we recommend you do this as soon as possible.



New look of workspace in PowerBI

To modernize and simplify the user experience in the Power BI service, last year, it has been launched a public preview of the ‘new look’ feature.

Note: We've started to roll out the feature today and will be enabled for all users by April 17, 2020.

The screenshot shows the 'Sales Analytics' workspace in the PowerBI service. A red box labeled 1 highlights the '+ New' button in the left sidebar. A red box labeled 2 highlights the 'View' switcher at the top right, which is set to 'List'. A red box labeled 3 highlights the search bar. A red box labeled 4 points to a tooltip for the 'Filters' panel, which is open on the right side. The tooltip shows filter options for Type (Dashboard, Dataset, Report), Owner (Sales Analytics), and Other (Included in the app, Not included in the app). A red box labeled 5 highlights the 'Search' field in the tooltip.

- 1) Get Data: We've made it much easier for users to add content to their workspace. The + New button provides one-click access to connect to data, open files, and create new reports, dashboards, and more.
- 2) View switcher: To see the connections between dataflows, datasets, reports, and dashboards and their connections to other data sources, users have an entry point in the top command bar to switch between list view and lineage view.

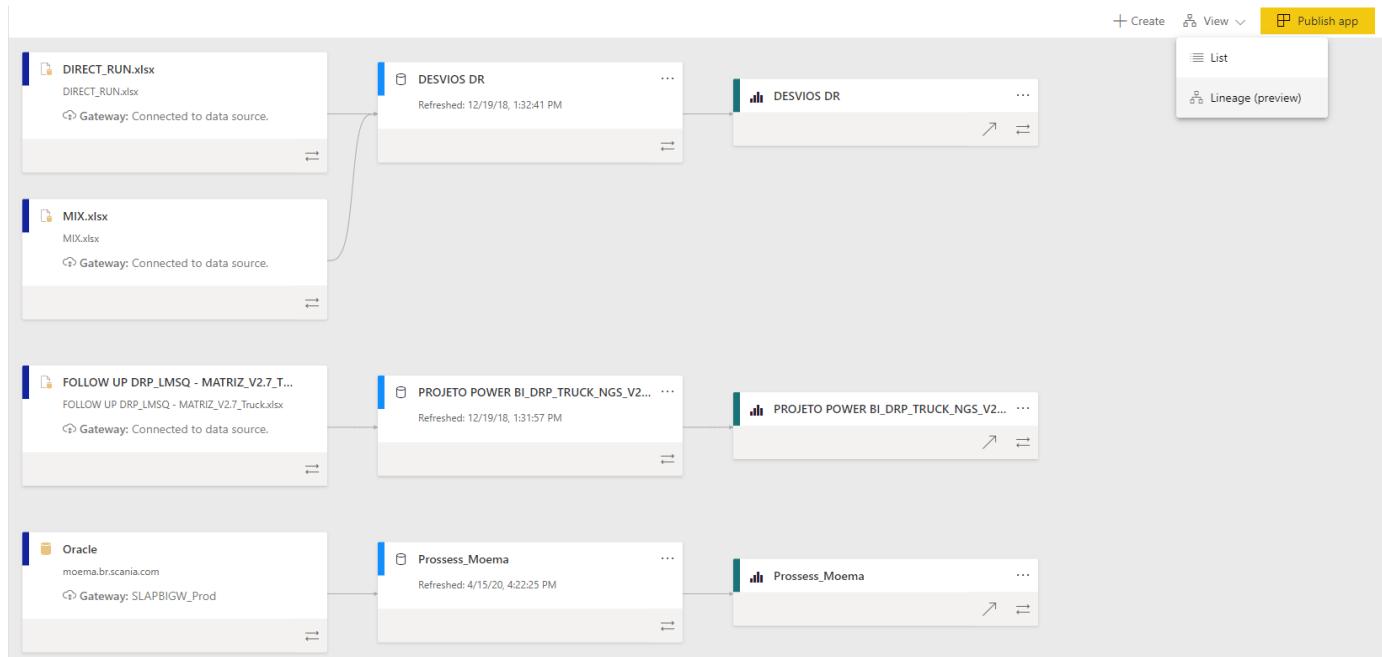


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- 3) Search within workspace: Users will be able to search across all the content within their workspace with the new search box.
- 4) List and tabs: We've restructured the original tabs to give users a flat list of content like SharePoint. That's right! Users will no longer be landing on the 'dashboards' tab after opening a workspace and getting confused. Here's the new tab order:
 - a. All - Shows all content (dashboards, reports, workbooks, paginated reports, datasets, dataflows) within the workspace.
 - b. Content - Shows all content created for consumption (dashboards, reports, workbooks, paginated reports) within the workspace.
 - c. Datasets + dataflows - Shows all the datasets and dataflows within the workspace for easy data management.
- 5) Filters: For workspaces with hundreds of artifacts, users will be able to quickly filter the content using the new filters pane. Once a filter is applied, users will be able to see the filter on top of the content list.
- 6) Quick actions: All the quick actions for your content will be available on hover. The most common actions will be accessible in a single click, and everything else will be in the “...” ellipses menu.



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+ New ▾

All Content Datasets + dataflows

| Name | Type | Owner |
|---|--|-----------------|
|  Sales Analytics Report |   Report | Sales Analytics |
|  Sales Dataset | Analyze in Excel | Sales Analytics |
|  Summary Sales Dashboard | Delete Quick insights Save a copy Settings View lineage | Sales Analytics |

- 7) New colors and icons - We have switched to a lighter color theme and updated icons within the workspace based on the Microsoft Fluent design system.