

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

1(75)

To (department acronym name)

For information (department acronym name)

Power BI Cloud

Guide

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

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



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
2(75)

To (department acronym name)

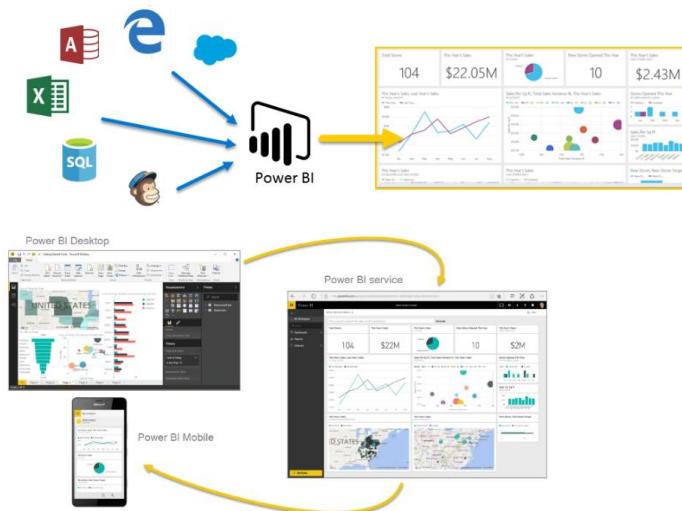
For information (department acronym name)

Index	
PowerBI	3
Introduction to Self Service	4
Self Service Levels.....	5
License and Access	6
Ordering the PowerBI Pro Licence	7
Free vs Pro vs Premium	13
Technical structure (cloud in Ireland)	14
How gateway works	16
Architecture Cloud vs On Prem.....	17
Cloud vs On Prem	18
PowerBI On-Premises vs Cloud.....	19
Installation for PowerBI desktop.....	20
Data Security (cloud)	22
Level Security.....	23
Support.....	24
Flow	25
Education	26
Reference Architecture.....	27
Step by Step.....	28
Responsibilities.....	38
Workspace Premium Capacity	39
PowerBI folder on the Cloud.....	40
Using Microsoft Flow(Power Automate) with PowerBI.....	45
Way-of-Working in Self-Service BI	49
How to open PowerBI Tool	51
PowerBI Gateway SLA.....	52
Data Flow	54
Scania Template and Theme.....	61
PowerBI Architecture	64
General Architecture	65
Incremental Refresh PowerBI Pro	66
Tab Rotate and Refresh in PowerBI	67
Ordering the PowerBI Premium Capacity	70
New look of workspace in PowerBI.....	71
Hands On PowerBI – 4 days	74
New features on July/2020	75

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.





Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
4(75)

To (department acronym name)

For information (department acronym name)

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.

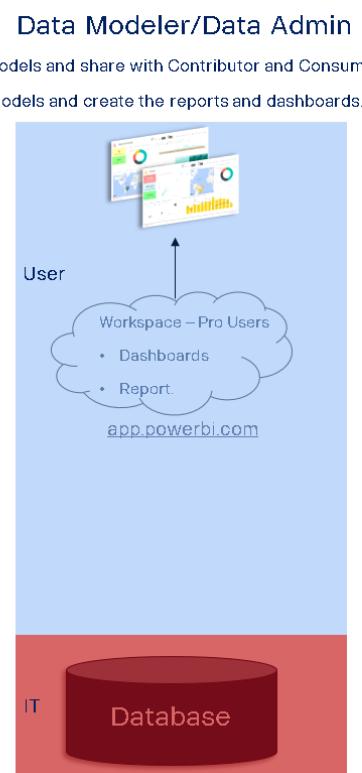
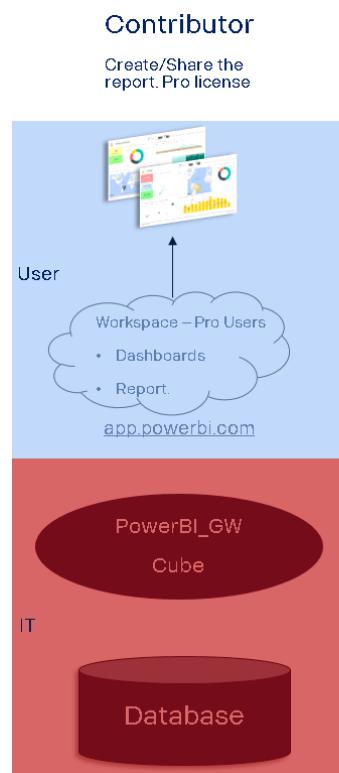
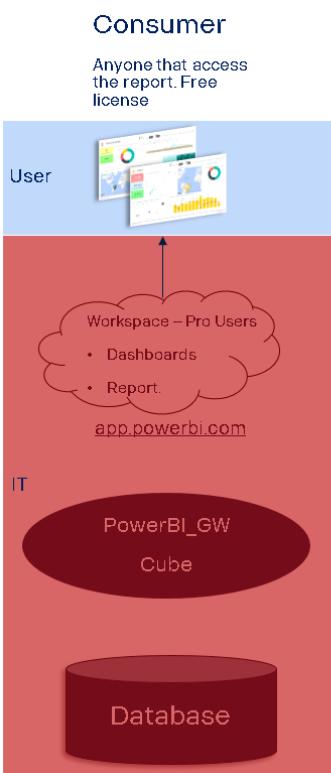
Self service BI does come with some challenges that we would like you to be aware of:

- 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



**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

6(75)

To (department acronym name)

For information (department acronym name)

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

If you need to share your PowerBI reports on the Cloud so you need to have the PowerBI PRO license and the next page has the instructions.

The PowerBI Cloud and On-Premises can be opened by SLA-Application <https://sla-applications.br.scania.com/site> on the menu BI\PowerBI On Premises as below:

The screenshot shows the SLA Applications interface with the following details:

- Header: sla-applications.br.scania.com/site
- Top navigation bar: Apps, Open in Power BI site..., LITA Portal, Google, Gmail, DBMap, Jira BI, Service Center, PowerBI, PBI - DEV, PBI - PROD, JumpServer
- Main menu: SCANIA SLA APPLICATIONS
- Sub-navigation menu:
 - ENG. & PROD. ▾
 - FINANCE ▾
 - FLASH ▾
 - COMMUNICATION ▾
 - IT ▾
 - SLA PURCHASING ▾
 - PROD.CTRL., SALES & MKT ▾
 - BI ▾ (highlighted)
 - VISAWEB ▾
 - SELECT ENV. ▾
- Dropdown menu under BI:
 - DISCOVERER PLUS
 - DISCOVERER VIEWER
 - EIS - EXEC. INFORMATION SYSTEM
 - EIS COGNOS8.4
 - EIS COGNOS10
 - POWERBI ON PREMISES** (highlighted)
 - POWERBI CLOUD** (highlighted)

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

7(75)

To (department acronym name)

For information (department acronym name)

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, containing one row with data: User Name 'SSBECR', First Name 'Erica', Last Name 'de Castro Rodrigues', Phone '+551143448816', E-mail Address 'Erica.Rodrigues@scania.com', and Department 'SFR'. There is also a small navigation bar at the bottom of the table.

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



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

8(75)

To (department acronym name)

For information (department acronym name)

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:

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcus Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

9(75)

To (department acronym name)

For information (department acronym name)

The screenshot shows a web-based ordering system for Scania. At the top, there's a header with the Scania logo, the word "SCANIA", and the "OrderIT" logo. Navigation links include "Product Catalogue", "Orders", "Settings", "Terms & Conditions", "Search for package", "Advanced Search", "News", "E-learning", "FAQ", and a user profile "Logged In: Marcus Yukio Nishida". Below the header, a message says "Please check your shopping cart and then select "Checkout Order" to proceed." A table displays a single item in the shopping cart:

	Product Id	Title	Quantity	One Time Cost	Monthly Cost	Consumption Cost	Remove from Cart
	PS0108-006	Power BI Pro License	<input type="text" value="1"/>	0,00 SEK	60,00 SEK	No	

Below the table, there's a note: " = 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".

At the very bottom of the page, there are links: "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:

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

10(75)

To (department acronym name)

For information (department acronym name)

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:

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

11(75)

To (department acronym name)

For information (department acronym name)

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



SCANIA

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

12(75)

To (department acronym name)

For information (department acronym name)

- 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:	SSBRIB
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

The diagram illustrates the Power BI interface, divided into two main sections: Power BI Desktop and Power BI Service.

Power BI Desktop: This section shows a central toolbar with various icons for data management, reporting, and visualization. Key features include Get Data from 40+ Sources, Bookmarks, Quick Measures, New Tables, New Columns, Reports View, Filter & Sort in Data View, Query Editor, Ask a question, New Measures, Themes, Desktop Layout, Tables View, Lock Objects, Selections, Sync Slicers, What If Parameter, Roles, Phone Layout, and Relationships View.

Power BI Service: This section is divided into three main levels: Free, Pro (0 - 500 Users), and Premium (500 + Users).

- Free:** Features include Ask a question about your data, Natural Language Query (Q&A), Microsoft SQL Server Reporting Services, Tiles pinned from SSRS, Consume live data sources (DirectQuery), Consume Content that's scheduled to refresh hourly (Can schedule 8 refreshes), Access Datasets in Power BI Service, Consume streaming data 1M rows/Hour, Control data access with RowLevel Security for Users & Groups, Publish to Web, Mobile Devices (iOS, Windows, Android), Persistent Filters, and Custom Data Connectors.
- Pro (0 - 500 Users):** Features include Create, View & Share Personal Dashboards & Reports, Apps & App Workspaces, Usage Metrics (With User Details), SharePoint Modern Web Parts, Create, publish & View Organizational Content Packs, and Analyze in Excel.
- Premium (500 + Users):** Features include Dedicated Node Capacity, Incremental Refresh, 100TB of Storage for each Capacity Provisioned, Higher refresh rates up to 48 per day, Noisy Neighbour Isolation, Future Release, Pinning Datasets to Memory, Read-Only Replicas, Large datasets, Geographic Distribution, and Dedicated Data Refresh Nodes.



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

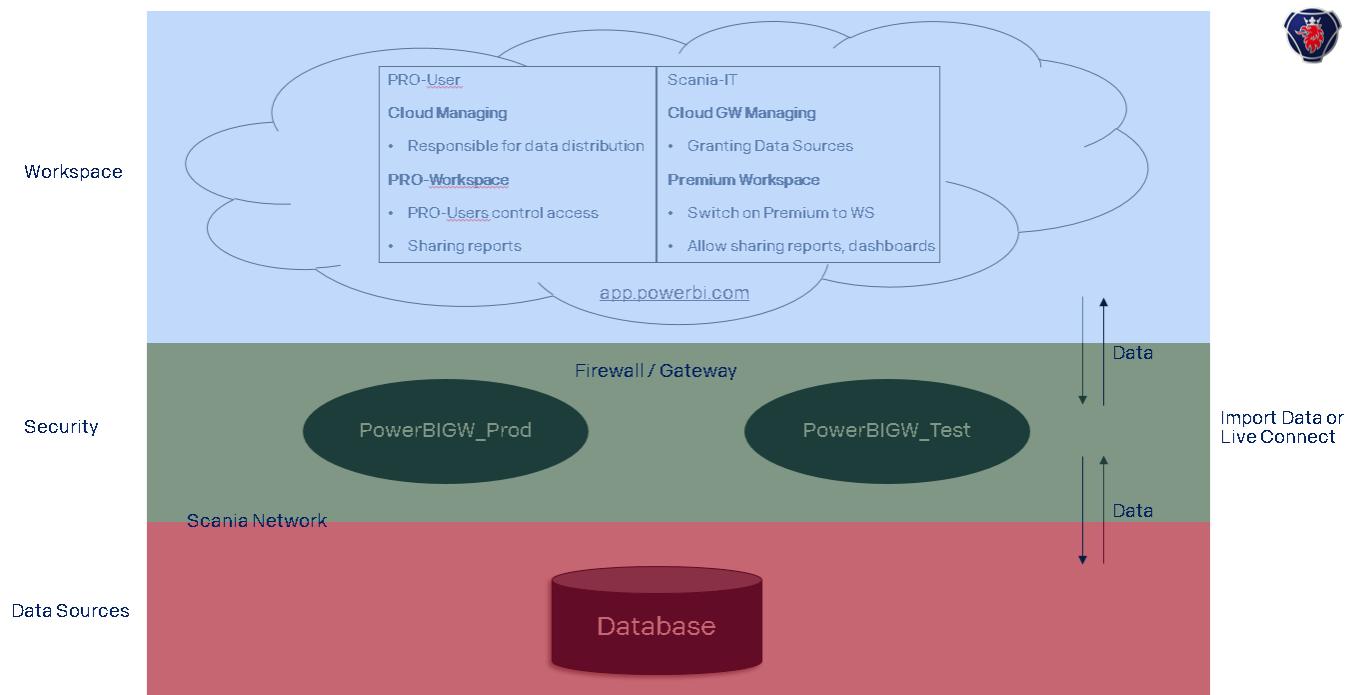
Page

14(75)

To (department acronym name)

For information (department acronym name)

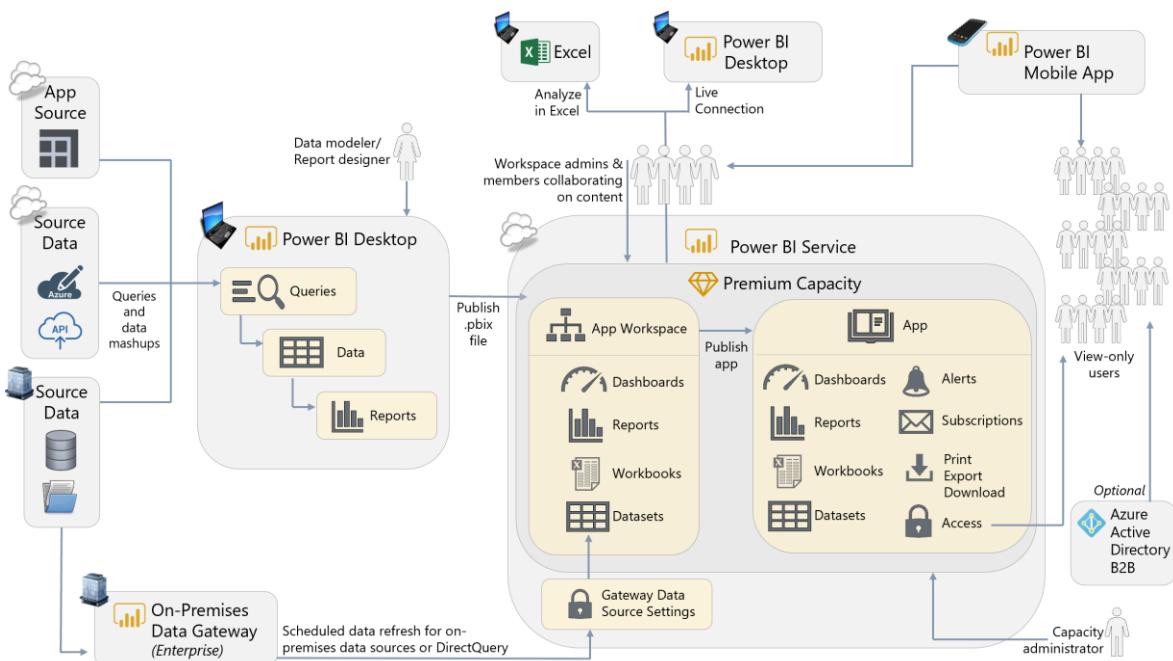
Technical structure (cloud in Ireland)





To (department acronym name)

For information (department acronym name)



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	Many users for each data mart	Data Warehouse – Production (new)

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.



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

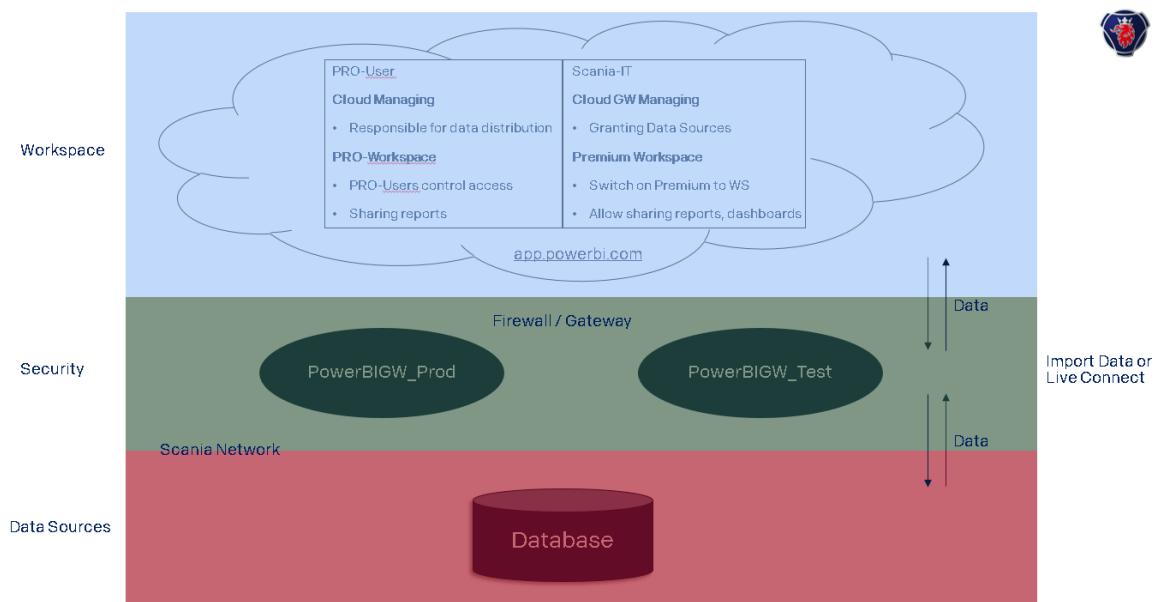
17(75)

To (department acronym name)

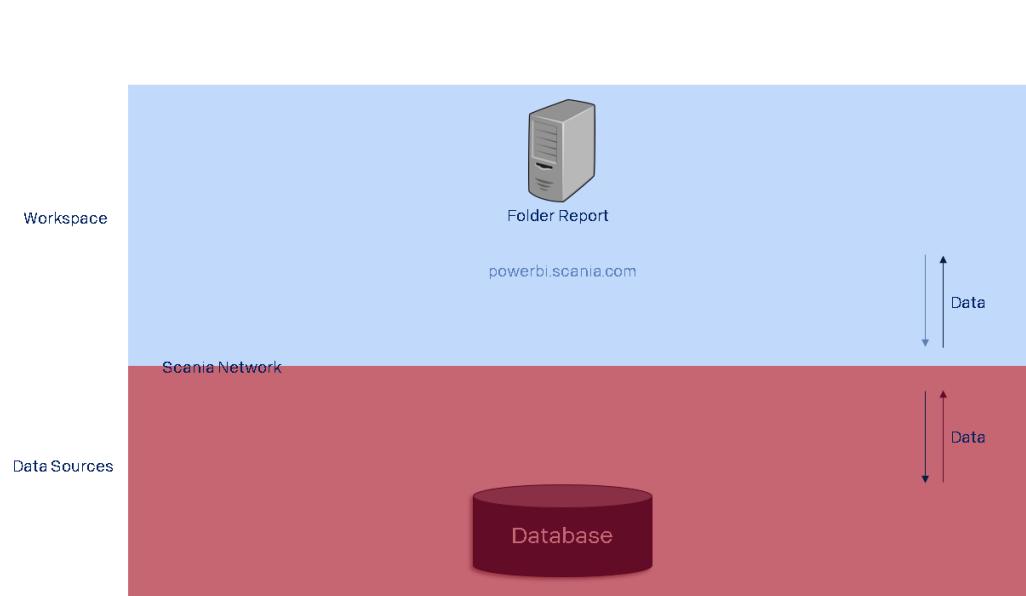
For information (department acronym name)

Architecture Cloud vs On Prem

Cloud



On Prem





Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

18(75)

To (department acronym name)

For information (department acronym name)

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>



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

19(75)

To (department acronym name)

For information (department acronym name)

PowerBI On-Premises vs Cloud

Good to know



On Premises

Vantagens

Visão de
relatórios
paginados

Sem
preocupação
com LGPD

Integração com
Data Lake

Desvantagens

Não funciona no
celular

Sem integração
com O365

Manutenção em
Servidor

Cloud

Vantagens

Acesso Externo

Downtime zero

Integração com
O365, Celular, Flow,
Teams.

Quick Insights
(Machine Learning)

Desvantagens

Sem integração com
Data Lake

Preocupação com
LGPD

8

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

20(75)

To (department acronym name)

For information (department acronym name)

Installation for PowerBi desktop

There are two versions in PowerBI Desktop and the black icon is for On-Premises and yellow icon is for Cloud so you need always to remember before is where I will publish my report.



You can order the PowerBI Desktop by Order-IT

http://orderit.scania.com/Site/ProductAndCatalogNavigation_View.aspx?CategoryID=CAT-486&node= CAT-279 and the software will be available in Software Center to be installed in your computer, and when there is a new version automatically will be available to install also.

BI@Scania - Power BI		Quantity : 1	Add to Cart
Description	One Time Cost	Monthly Cost	Consumption Cost
Power BI Desktop, tool to build and publish Power BI reports.	0,00 SEK	0,00 SEK	No

Choose please the PowerBI Desktop Cloud and the PowerBI Desktop Cloud version as below.

Customise Package

Power BI Desktop and Application:	Power BI Cloud:
Order Power BI Desktop and/or License	<input checked="" type="radio"/> New - Power BI Desktop Cloud Version June 2020 64-bit [0,00 SEK & 15,00 SEK]
Order Access for Power BI Application	<input type="radio"/> Cancel - Power BI Desktop Cloud Version June 2020 64-bit [0,00 SEK & 0,00 SEK]
	<input type="radio"/> Cancel - Power BI Desktop Cloud Version June 2020 32-bit [0,00 SEK & 0,00 SEK]
<input type="radio"/> None [0,00 SEK & 0,00 SEK]	<input type="radio"/> New - Power BI Desktop Cloud Version June 2020 32-bit [0,00 SEK & 15,00 SEK]
<input checked="" 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 type="radio"/> Power BI Premium Capacity Workspace [0,00 SEK & 0,00 SEK]	

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

21(75)

To (department acronym name)

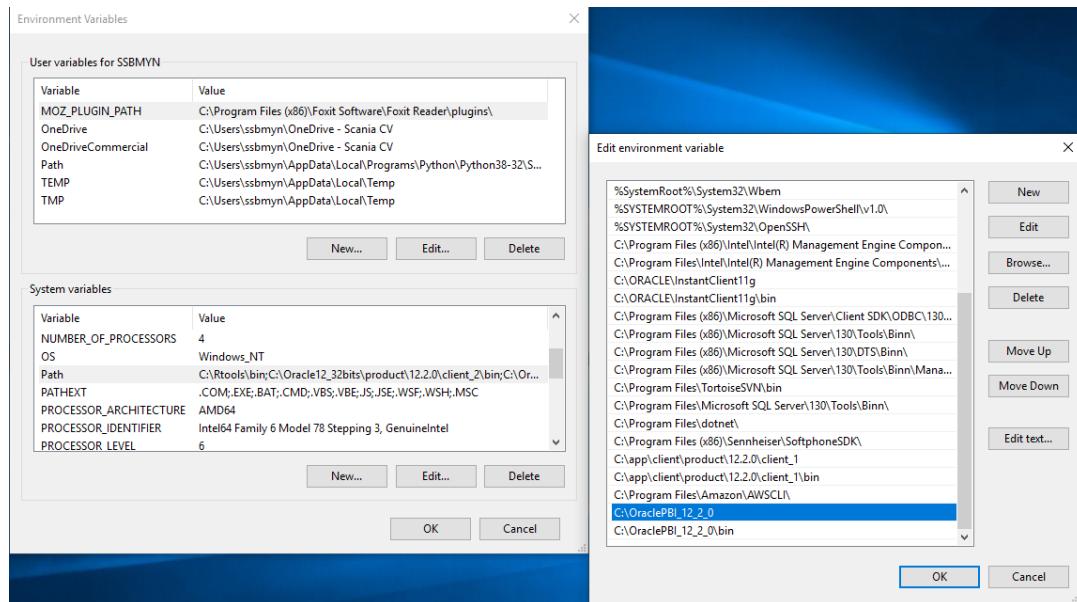
For information (department acronym name)

The installation can be manually also by link <https://www.microsoft.com/en-us/download/details.aspx?id=58494> but the new PowerBI versions will not be available in Software Center.

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 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



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
22(75)

To (department acronym name)

For information (department acronym name)

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://internal.scania.com/isec/171.html>

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

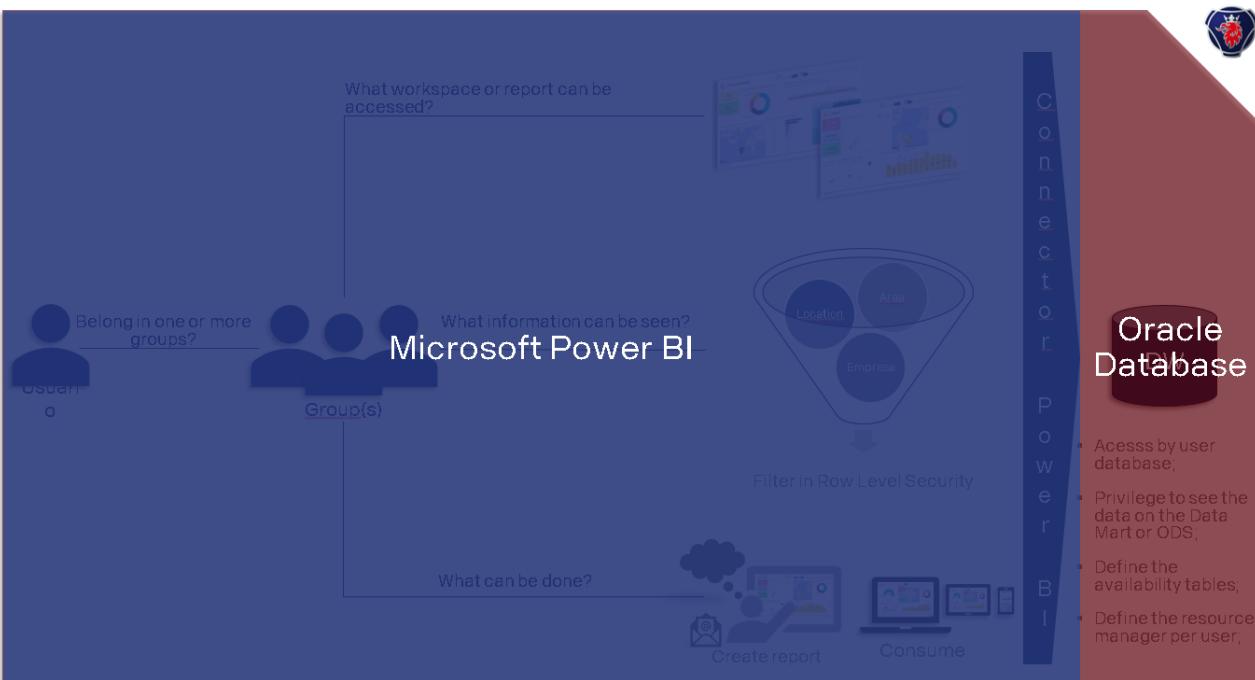
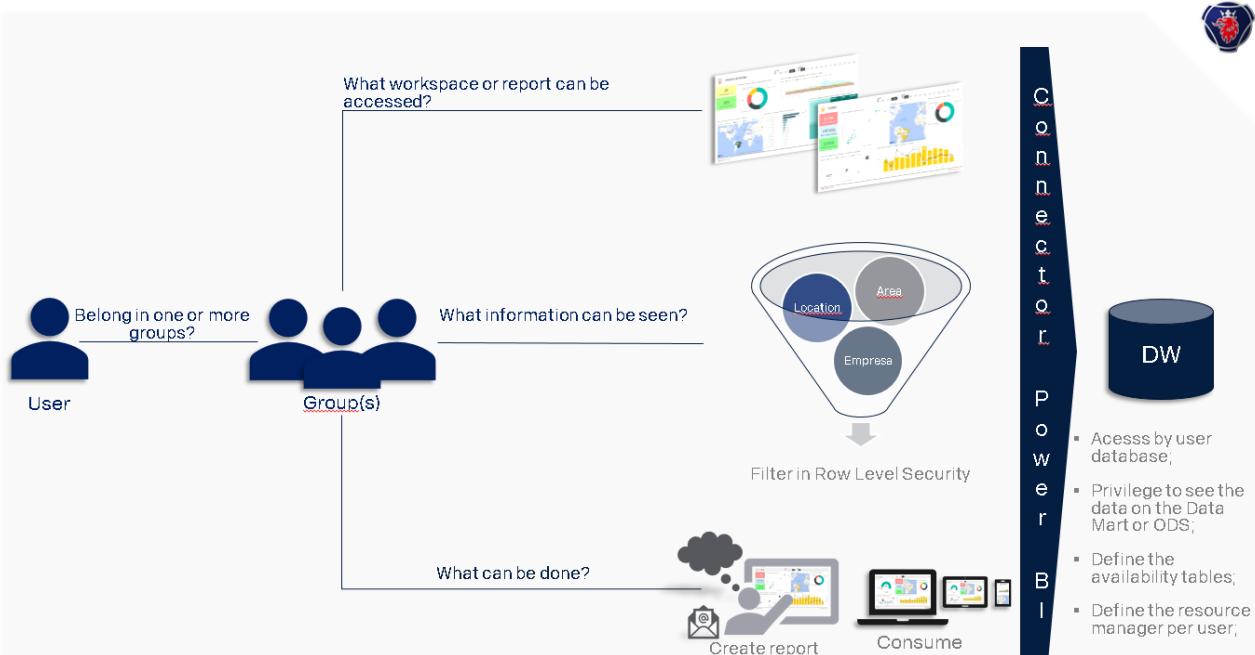
Page

23(75)

To (department acronym name)

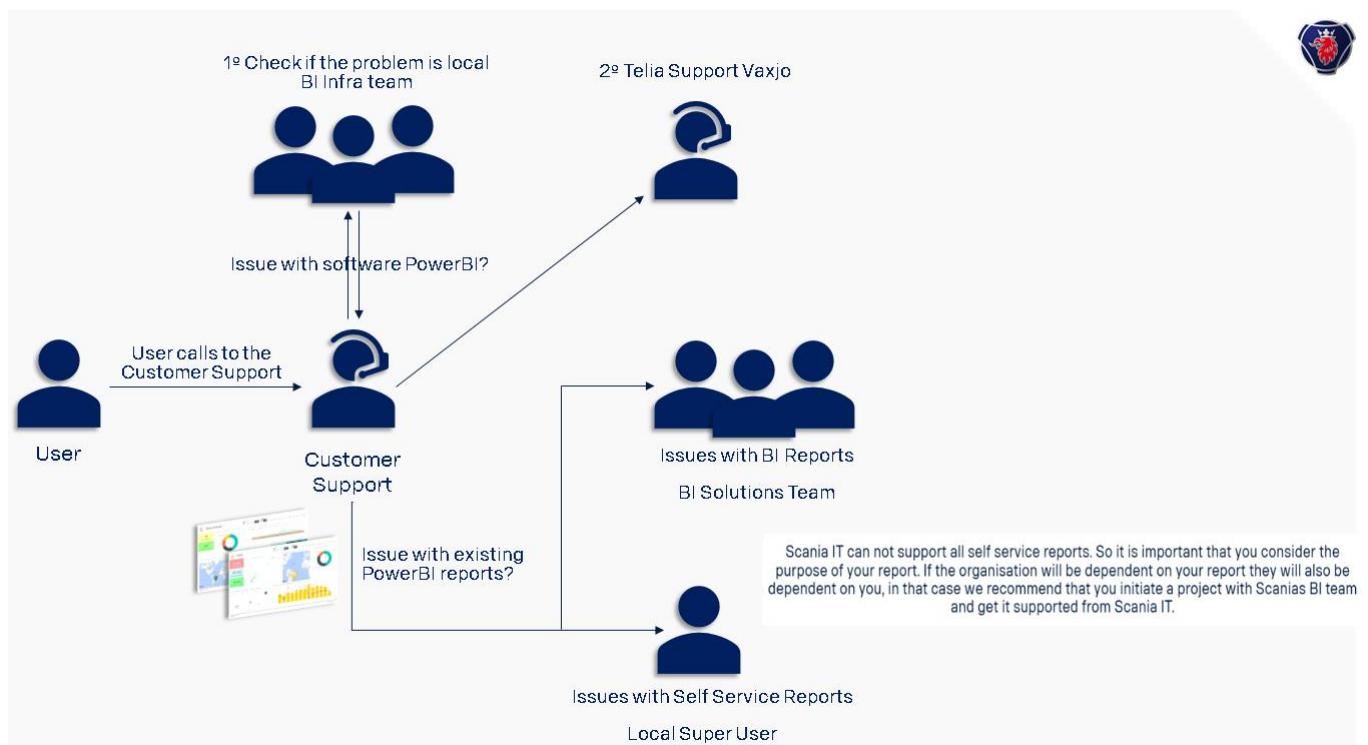
For information (department acronym name)

Level Security





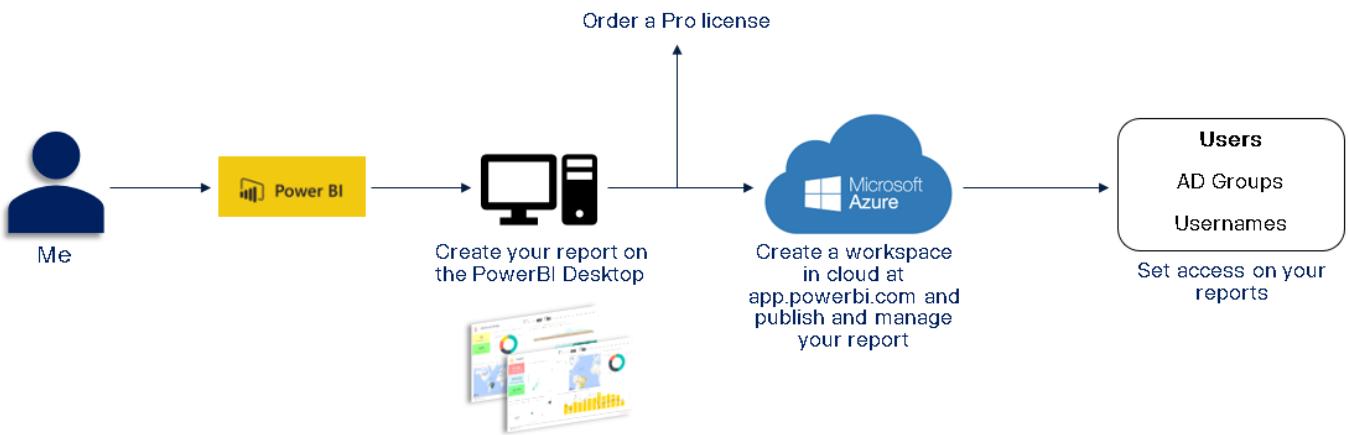
Support



- 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, please contact the Customer Support +46 8 553 81795 or cs.sodertalje@scania.com, if the report is an Self Service report the user should contact whomever it is that has made the report.



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.



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
26(75)

To (department acronym name)

For information (department acronym name)

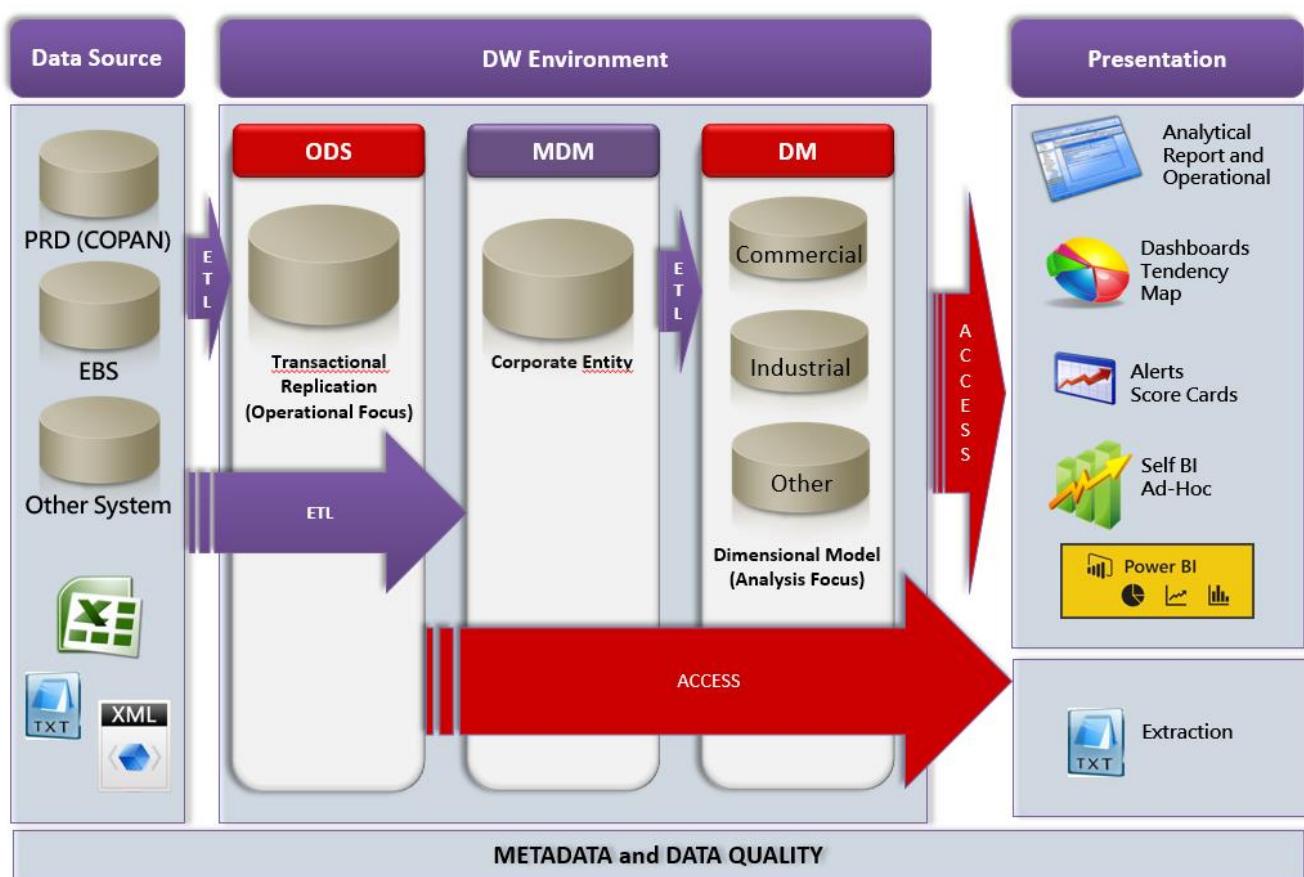
Education

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/>
- Internal Education at Scania – The education at Scania is still in stand-by due to pandemic but a new PowerBI education on-line will be available ASAP.



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 various data sources under 'Tudo': Excel (selected), 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, and Base de dados Sybase. At the bottom, there are links for 'Conectores Certificados' (Certified Connectors) and buttons for 'Ligar' (Connect) and 'Cancelar' (Cancel).

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

29(75)

To (department acronym name)

For information (department acronym name)

- 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:



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

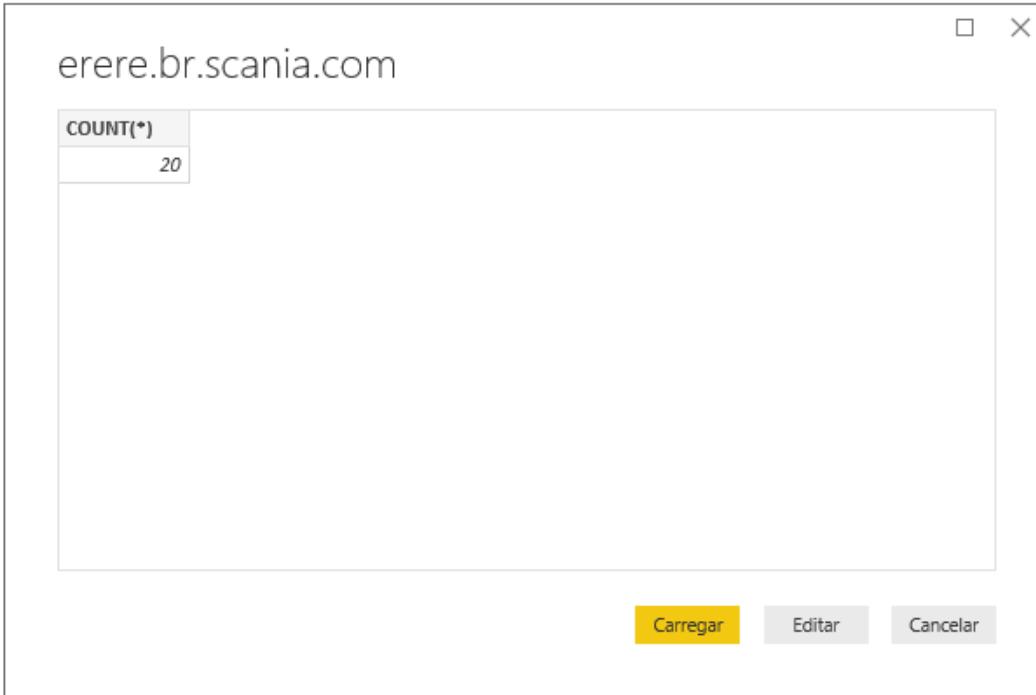
Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
30(75)

To (department acronym name)

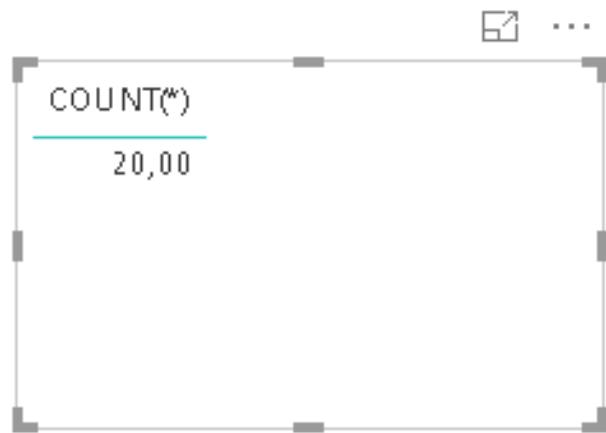
For information (department acronym name)

erere.br.scania.com

COUNT(*)	20
----------	----

A screenshot of a Power BI report window. It displays a single measure value, COUNT(*), which is 20. The report has a simple layout with a single card containing the measure value. At the bottom, 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:



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

31(75)

To (department acronym name)

For information (department acronym name)

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:



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcus Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

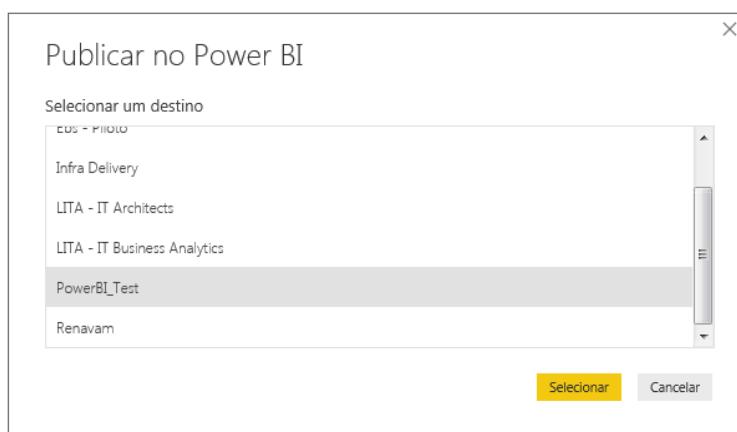
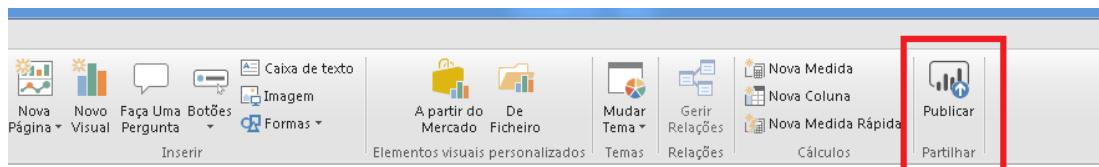
Internal

Page

32(75)

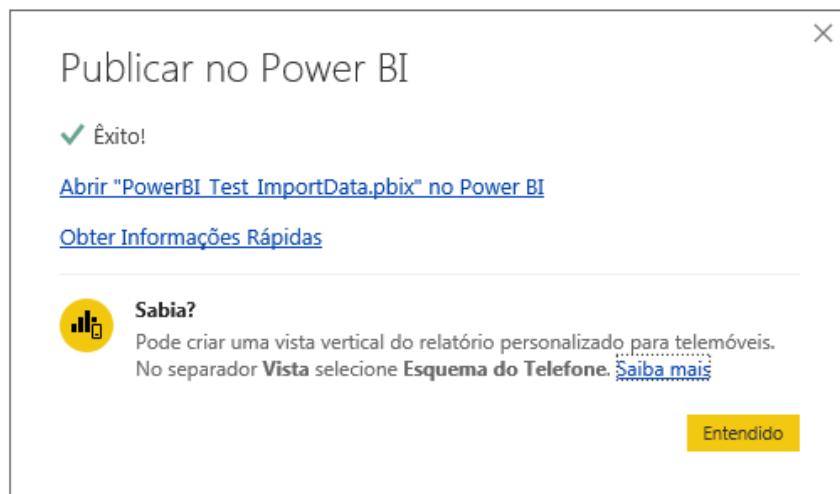
To (department acronym name)

For information (department acronym name)



7) Report published:

COUNT(*)
20,00



8) Report opened on the cloud:



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

33(75)

To (department acronym name)

For information (department acronym name)

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, COUNT(), showing a value of 20.00.

9) Know the datasets configuration:

The screenshot shows the Datasets page in the Power BI web interface. It lists a single dataset named "PowerBI_Test_ImportData". The table includes columns for 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 settings for the "PowerBI_Test_ImportData" dataset. It indicates that the dataset has been configured by "Marcius.Nishida@scania.com". The last refresh succeeded on Tuesday, October 16, 2018, at 14:31:54 GMT-0300. A "Gateway connection" section shows that a data gateway is enabled ("On"). A table lists one gateway entry: "PowerBIGW_Prod" which is "Running on SESOCO3418". A note states that no personal gateways are installed, with a link to "Learn more". Buttons for "Apply" and "Discard" are at the bottom.

11) Configure the refresh:

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

34(75)

To (department acronym name)

For information (department acronym name)

[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:



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

35(75)

To (department acronym name)

For information (department acronym name)

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 X Enter email addresses

Include an optional message...

 Allow recipients to share your report Send email notification to recipients

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

36(75)

To (department acronym name)

For information (department acronym name)

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		



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

37(75)

To (department acronym name)

For information (department acronym name)

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 ▾



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

38(75)

To (department acronym name)

For information (department acronym name)

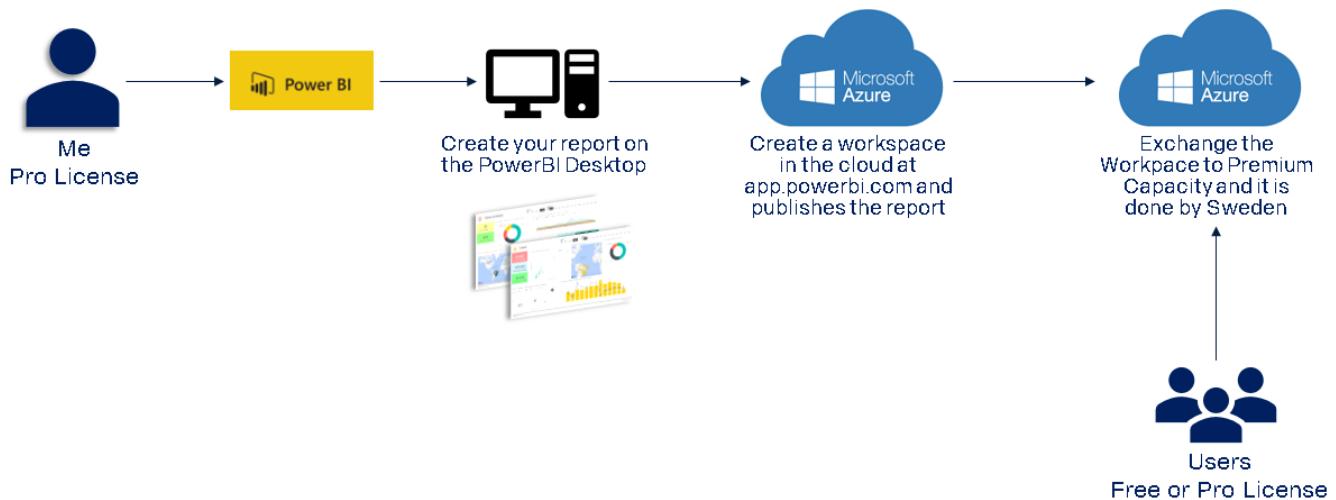
Responsibilities

	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

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(like hotmail, gmail, e.g) and the user will use that mail on the PowerBi(<https://app.powerbi.com>)

If you would like to convert the workspace to the Premium Capacity please read the chapter **Ordering the PowerBI Premium Capacity** in this document.

And also there is other document with instructions step-by-step **How to share your PowerBI reports** to the external users.



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

40(75)

To (department acronym name)

For information (department acronym name)

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:



SCANIA

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

41(75)

To (department acronym name)

For information (department acronym name)

- 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
--	-----------	-----------



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcus Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
42(75)

To (department acronym name)

For information (department acronym name)

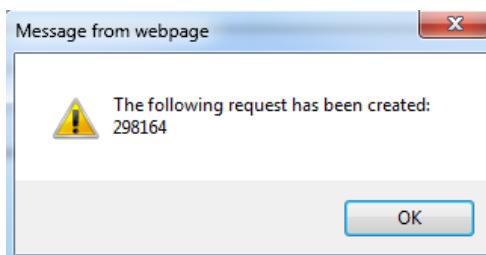
- 4) Choose the Brasil Market, the PowerBI\$ share, select the folder that you want to access and each folder has a responsible to approval and press the continue button:



- 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**;



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
43(75)

To (department acronym name)

For information (department acronym name)

- 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:



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

44(75)

To (department acronym name)

For information (department acronym name)

► Scheduled refresh

Keep your data up to date



Refresh frequency

Daily ▾

Time zone

(UTC-03:00) Brasilia ▾

Time

11 ▾ 00 ▾ AM ▾ X

11 ▾ 30 ▾ AM ▾ X

1 ▾ 00 ▾ PM ▾ X

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



Using Microsoft Flow(Power Automate) 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> :

The screenshot shows a PowerBI tile with the text "COUNT(*)" at the top and "940.00" in large numbers below. A context menu is open on the right side of the tile, listing several options: "Open comments", "Go to report", "Open in focus mode", "Manage alerts" (which is highlighted with a red box), "Export to Excel", "Edit details", "Pin tile", and "Delete tile".

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

46(75)

To (department acronym name)

For information (department acronym name)

- 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
Alert for COUNT(*)

Set alerts rule for
COUNT(*)

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



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

47(75)

To (department acronym name)

For information (department acronym name)

- 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'. The 'Create' button is located at the bottom of the sidebar.

- 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:

The screenshot shows a step configuration in Microsoft Flow. The title of the step is 'When a data driven alert is triggered (Preview)'. There are three input fields: '*Alert Id' (with a note 'The alert id to track.'), 'Alert for COUNT(*)' (with a note 'Enter custom value'), and 'Enter custom value'. At the bottom are two buttons: '+ New step' and 'Save'.

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

48(75)

To (department acronym name)

For information (department acronym name)

- 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 the text "When a data driven alert is triggered (Preview)" and three dots on the right. 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:

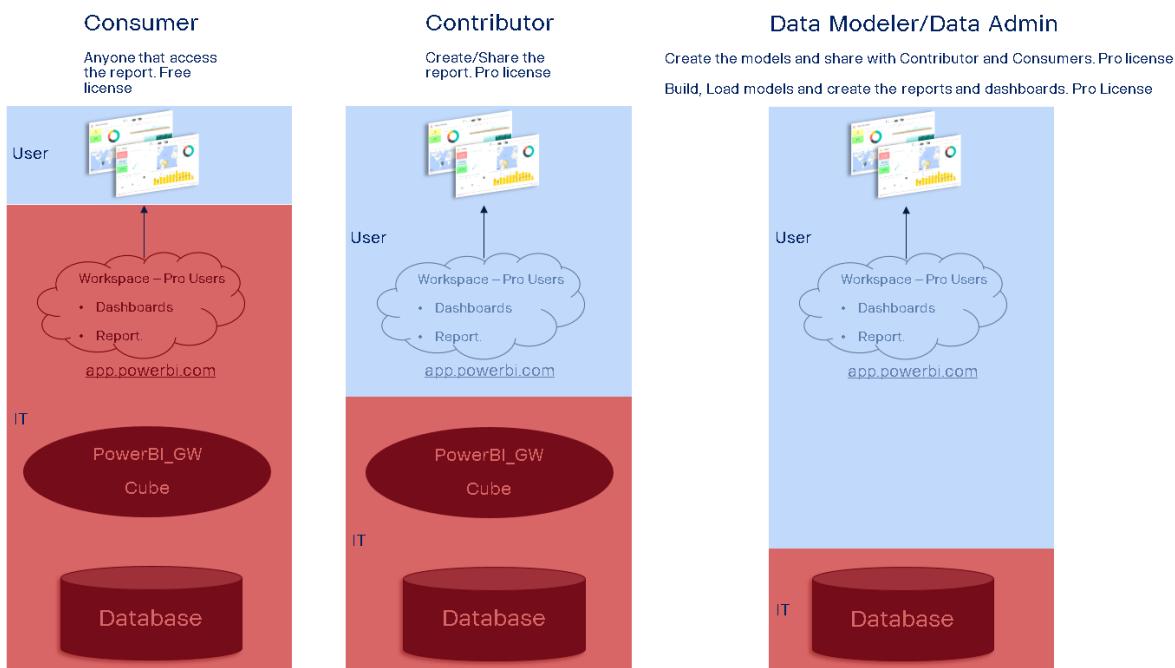
The screenshot shows an Outlook inbox window. The top ribbon tabs are "File", "Message", "Adobe PDF", and "Tell me what you want to do". The "Message" tab is selected. The toolbar includes icons for Delete, Archive, Reply, Reply All, Forward, Infostrategy, To Manager, Team Email, Move, Tags, Editing, Zoom, and Send to OneNote. The main pane displays an email message from "Yukio Nishida, Marcius" with the subject "KPI Count.". The message body contains the text "Testing the Microsoft Flow.". A status bar at the bottom right shows the time as "16:26".



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

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

50(75)

To (department acronym name)

For information (department acronym name)

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

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

51(75)

To (department acronym name)

For information (department acronym name)

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 interface. 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 main header reads "SCANIA SLA APPLICATIONS". In the top right corner, there's a dropdown menu with several options: BI (which is highlighted with a red box), VISAWEB, and SELECT ENV. A large red box highlights the "BI" dropdown. A secondary dropdown menu is open under "BI", listing various tools: 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.

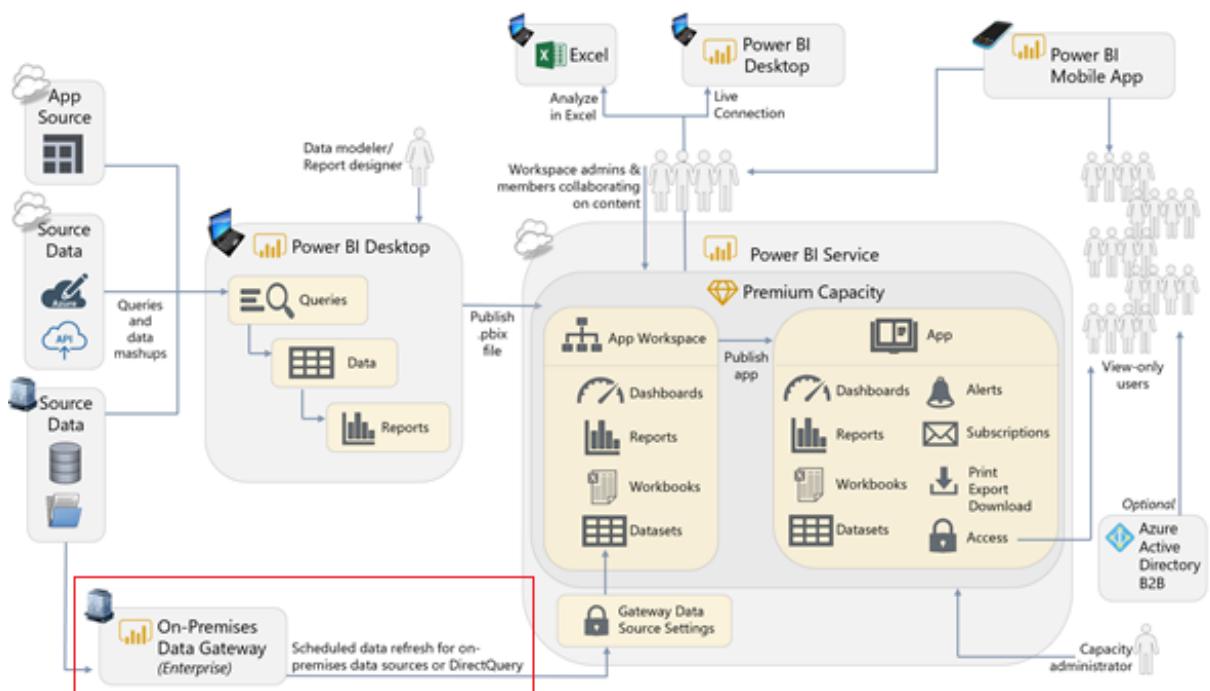
For mobile is available in IOS and Android:





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

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

53(75)

To (department acronym name)

For information (department acronym name)

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



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](#)

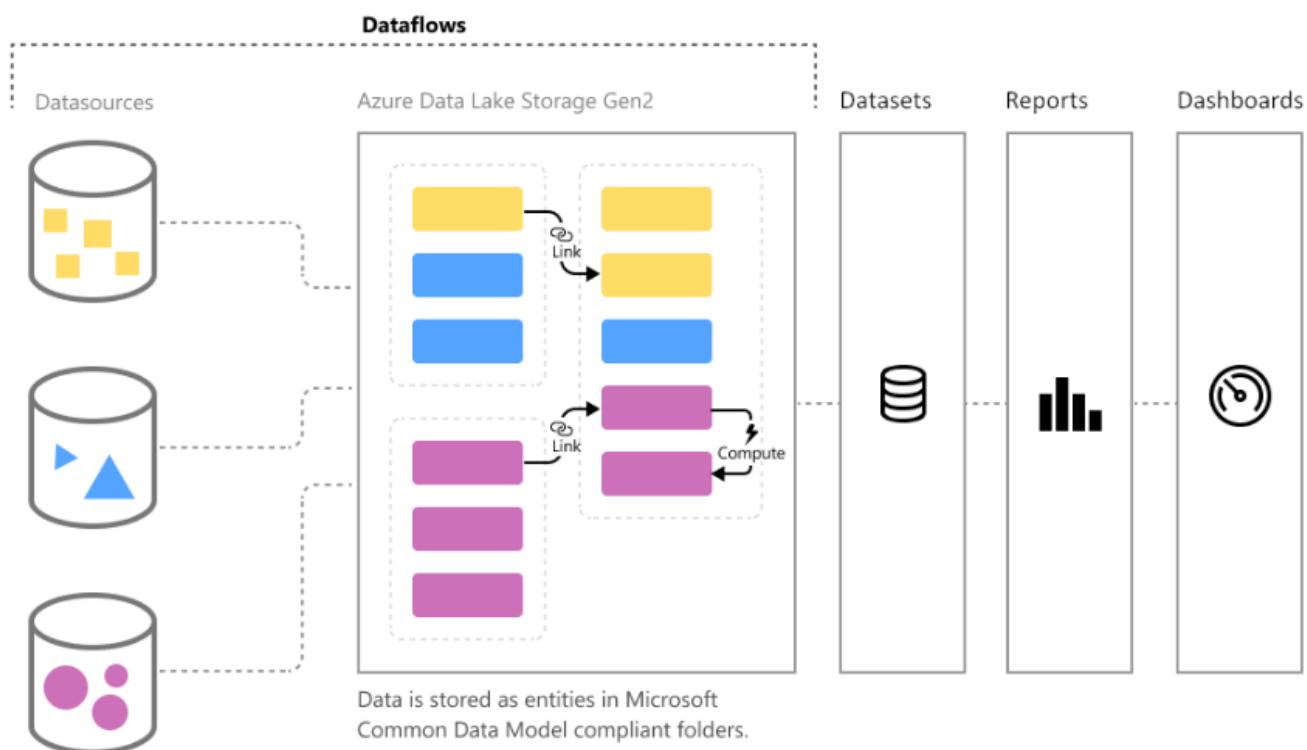
[Install now](#)[Apply](#)[Discard](#)



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



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

55(75)

To (department acronym name)

For information (department acronym name)

- 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.

ADD DATA SOURCE

GATEWAY CLUSTERS

> SLAPBIGW_Prod

▽ SLAPBIGW_Test

BRAGA.br.scania.com Oracle

IPIRA.br.scania.com Oracle

DELTA.br.scania.com Oracle

Test all connections

Data Source Settings Users

People who can publish reports that use this data source

Enter email addresses

Marcius Yukio Nishida

Add

Remove

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

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

56(75)

To (department acronym name)

For information (department acronym name)

3) Press the Add New Entities:

Start creating your dataflow

Define new entities

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](#)

Add new entities

Import Model

Choose a dataflow model to import into your workspace.

[Learn more](#)

Import model



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

57(75)

To (department acronym name)

For information (department acronym name)

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

Connection settings

Server
braga.br.scania.com

Connection credentials

On-premises data gateway
[Admin] SLAPBIGW_Test

Authentication kind
Basic

Username
[ENCRYPTED]

Password



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

58(75)

To (department acronym name)

For information (department acronym name)

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	



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

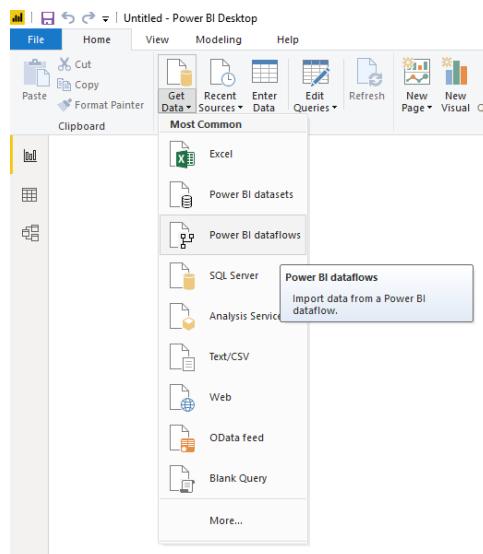
Page

59(75)

To (department acronym name)

For information (department acronym name)

- 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:

The screenshot shows the Power BI Navigator pane. On the left, there's a tree view of data sources. Under 'Power BI dataflows [1]', there are three items: 'PowerBI_Test [1]', 'Prosseess_FFU_Braga [1]', and 'PROSSESS PARAM_FFU'. The last item is selected, indicated by a checked checkbox icon. To the right of the tree view is a table titled 'PROSSESS PARAM_FFU' with columns: FAM353, VAR353, HORS_LIGNE, SUR_LIGNE, PREPA_MAG, PEINTURE, and R. Below the table, a message says 'This table is empty.' At the bottom of the pane are buttons for 'Load', 'Edit', and 'Cancel'.



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

60(75)

To (department acronym name)

For information (department acronym name)

- 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 Power BI Desktop interface. The ribbon at the top has tabs: File, Home, View, Modeling, Help, Format, and Data / Drill. The 'Home' tab is selected. In the 'Clipboard' section of the ribbon, there is a 'Get Data' button, which is highlighted with a red box. Below the ribbon is a large data grid. The grid has columns labeled VAR353, TYPE, LIGHT_FFU, LIBELLE, BODY_FFU, ALLOWEDONLINE, REALISE, and REALISE_FFU. The data grid contains approximately 15 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	



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Page

61(75)

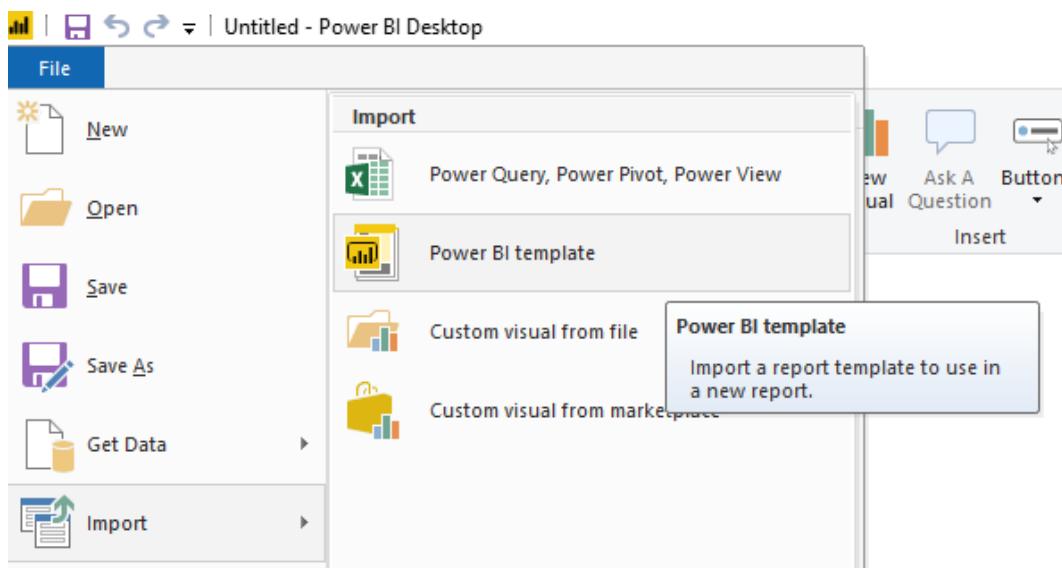
To (department acronym name)

For information (department acronym name)

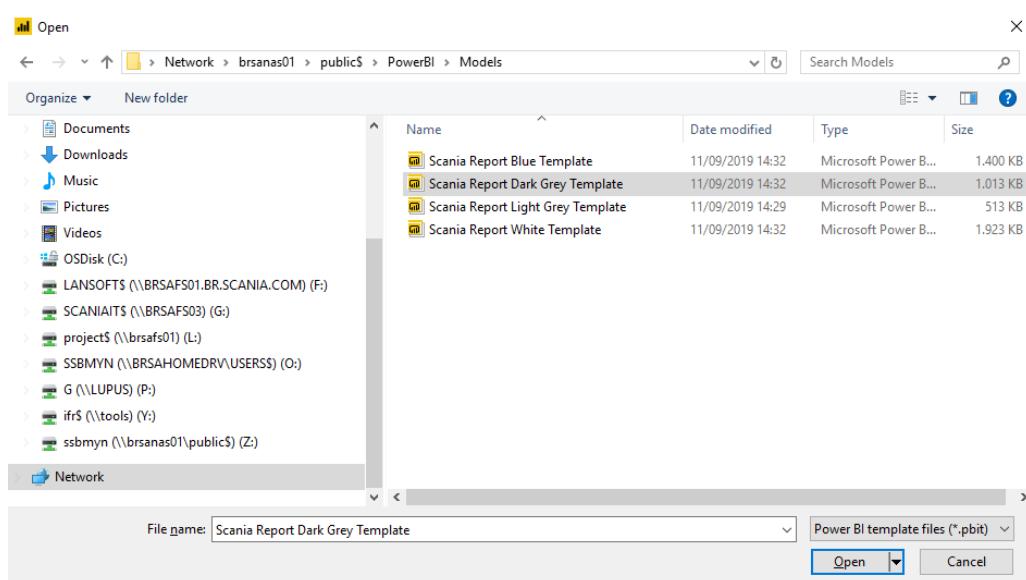
Scania Template and Theme

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:





Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

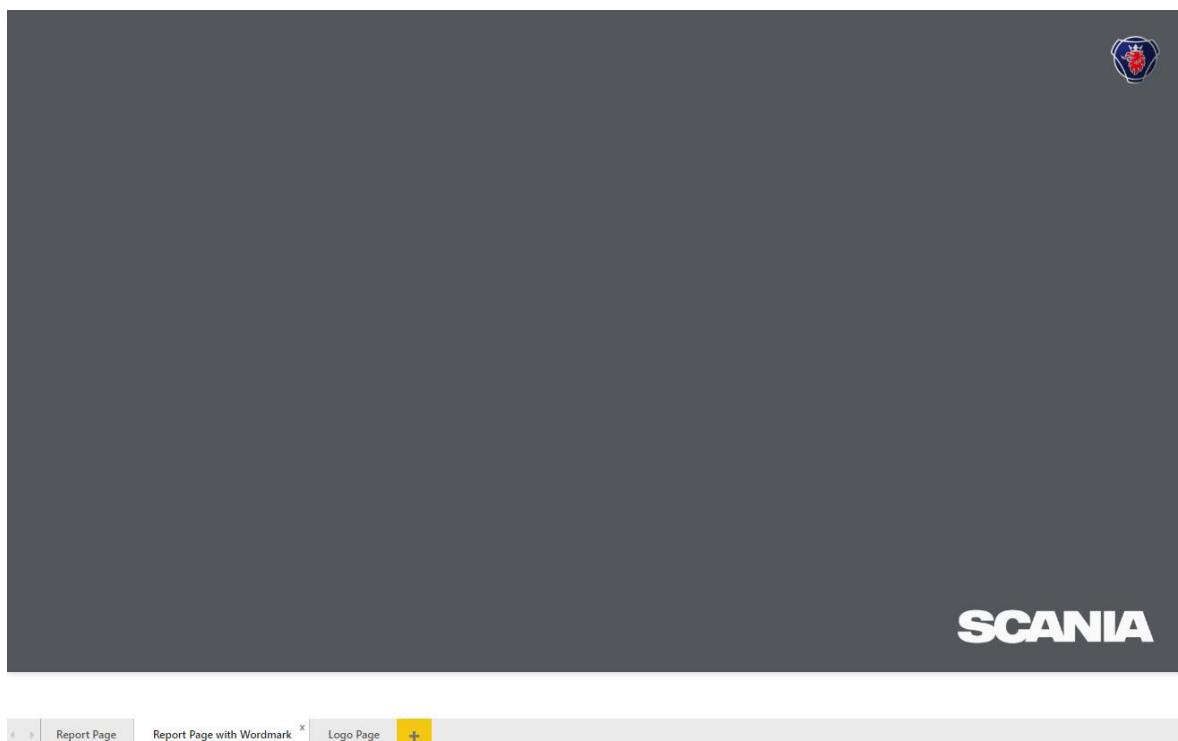
Page

62(75)

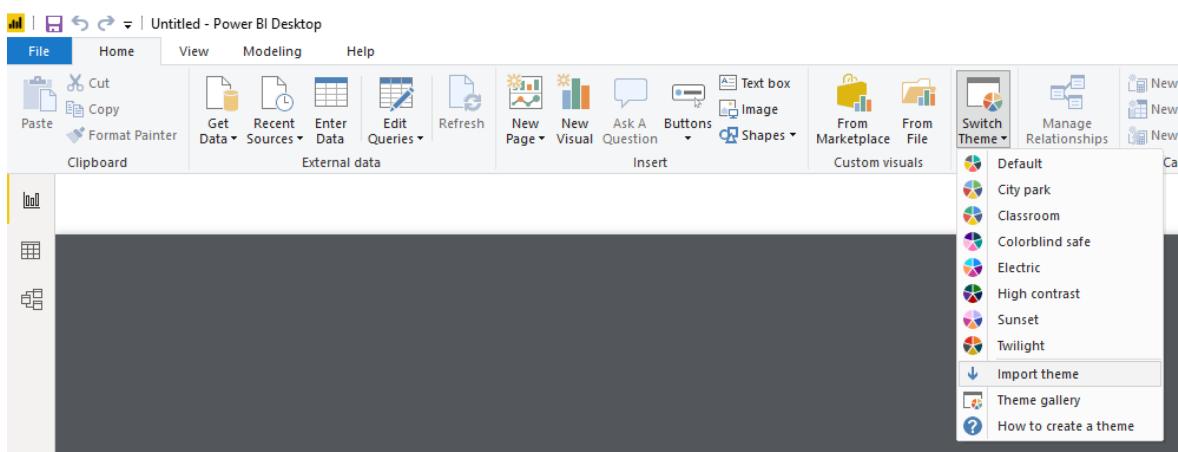
To (department acronym name)

For information (department acronym name)

- 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:



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

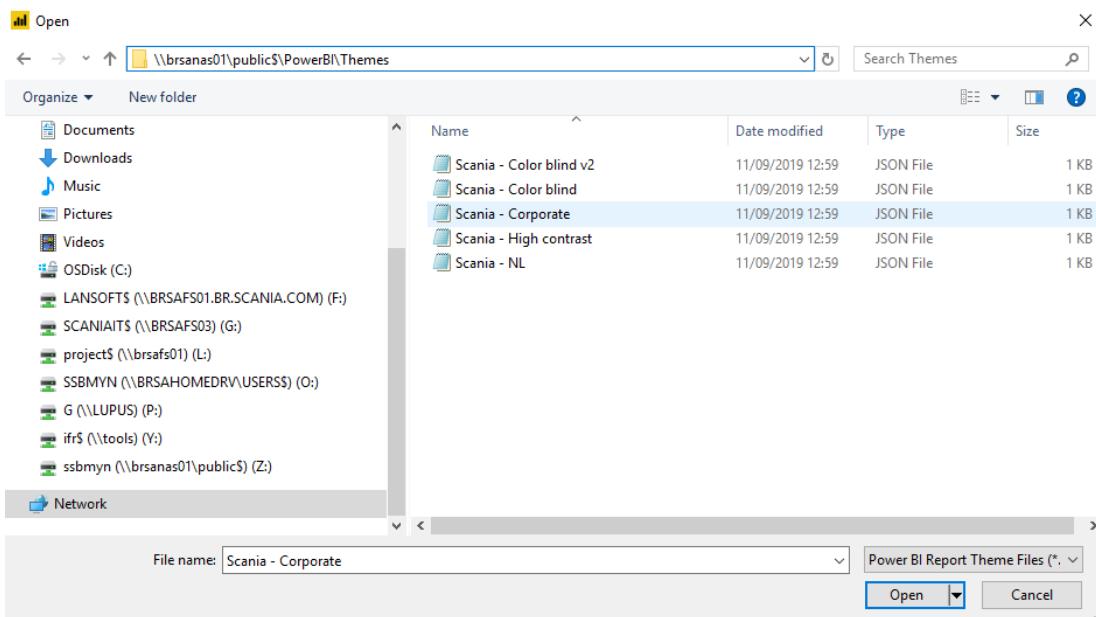
Internal

Page

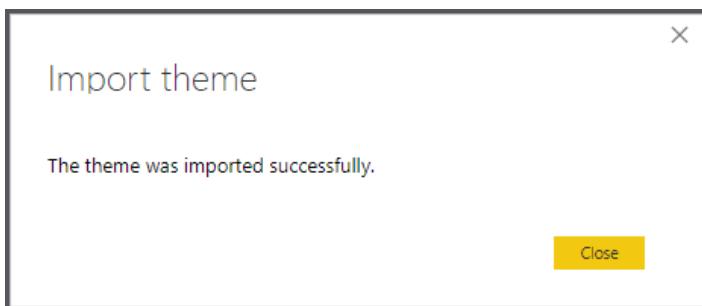
63(75)

To (department acronym name)

For information (department acronym name)



f) You will receive a message as below:



**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

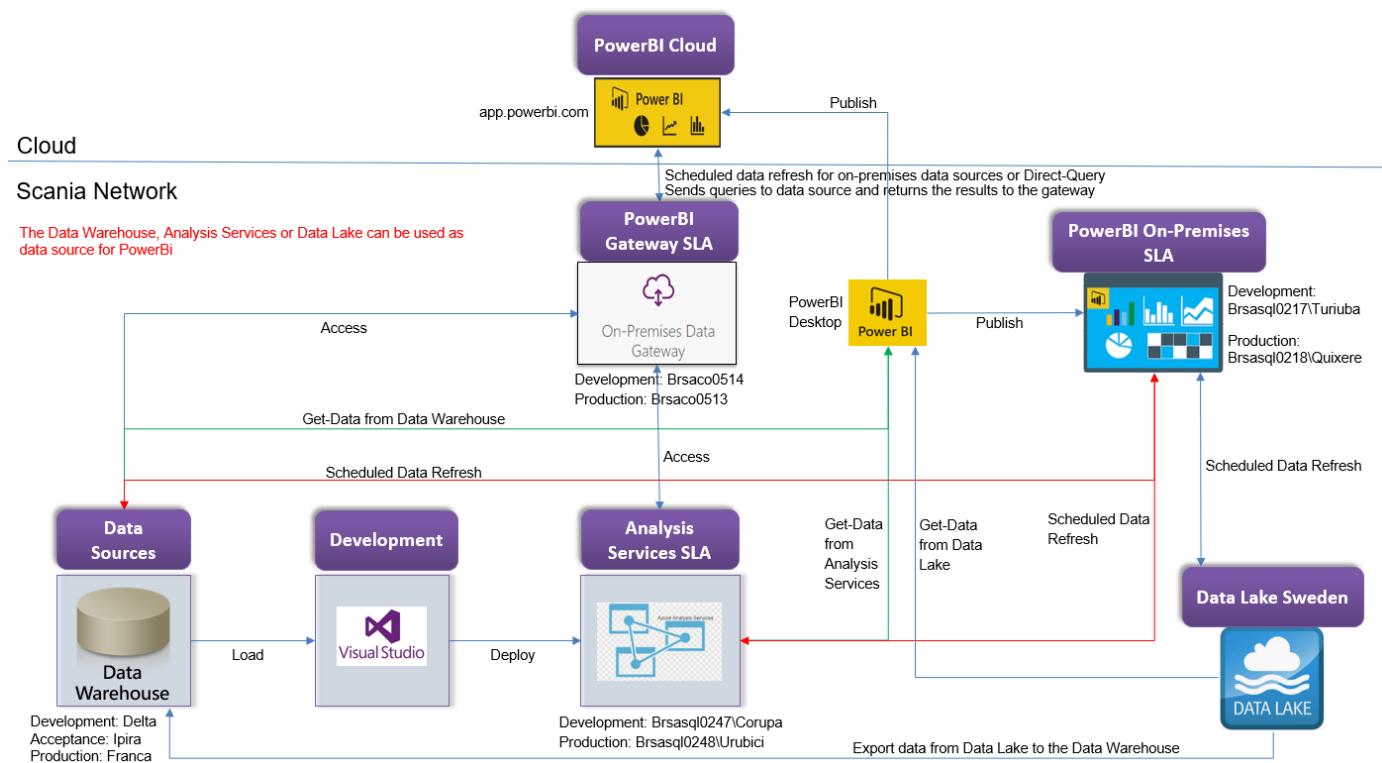
Page

64(75)

To (department acronym name)

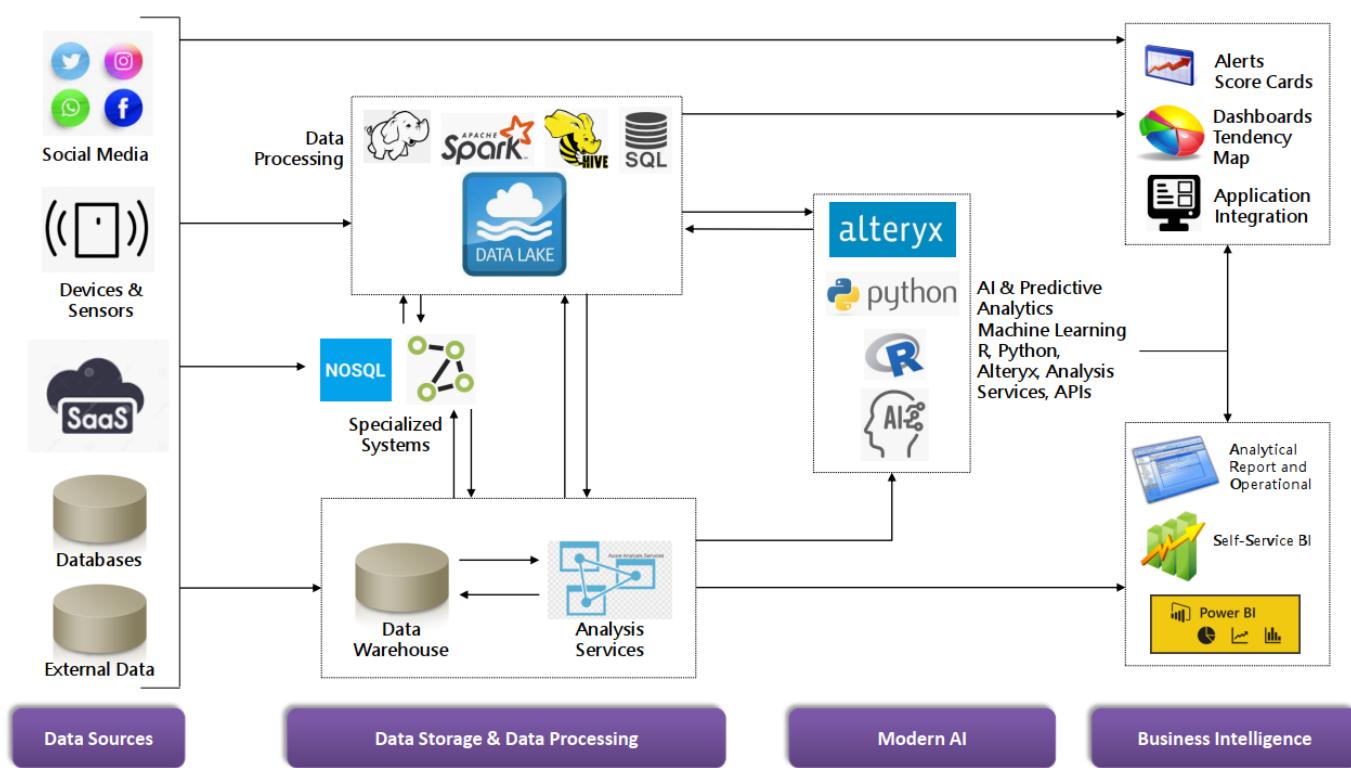
For information (department acronym name)

PowerBI Architecture





General Architecture



**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

66(75)

To (department acronym name)

For information (department acronym name)

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.

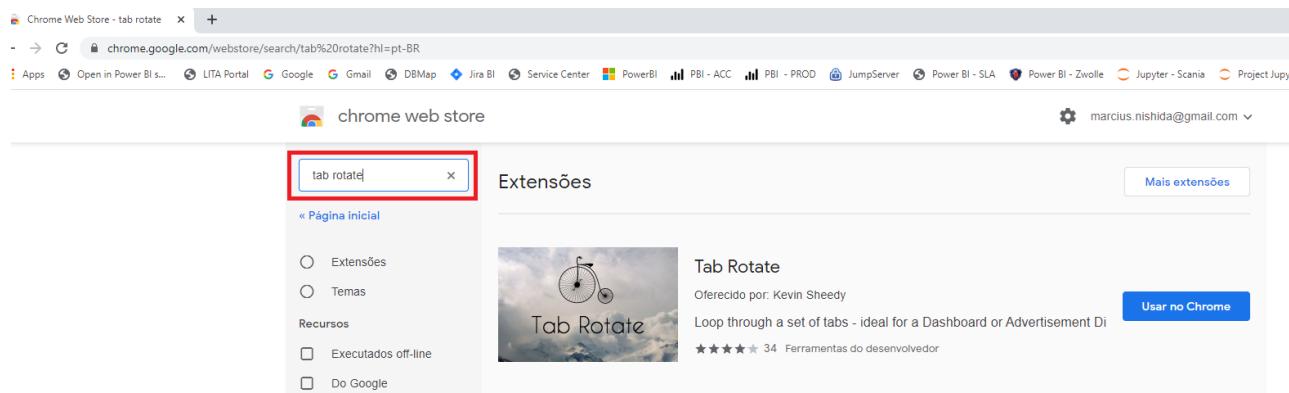
Please watch this video to know how it works

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

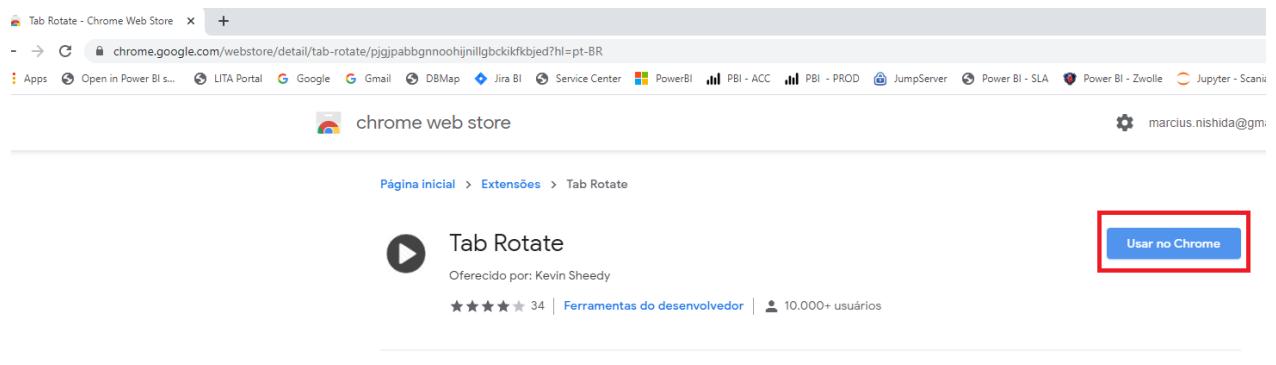
Tab Rotate and Refresh in PowerBI

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;



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



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

**SCANIA**

Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

68(75)

To (department acronym name)

For information (department acronym name)

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

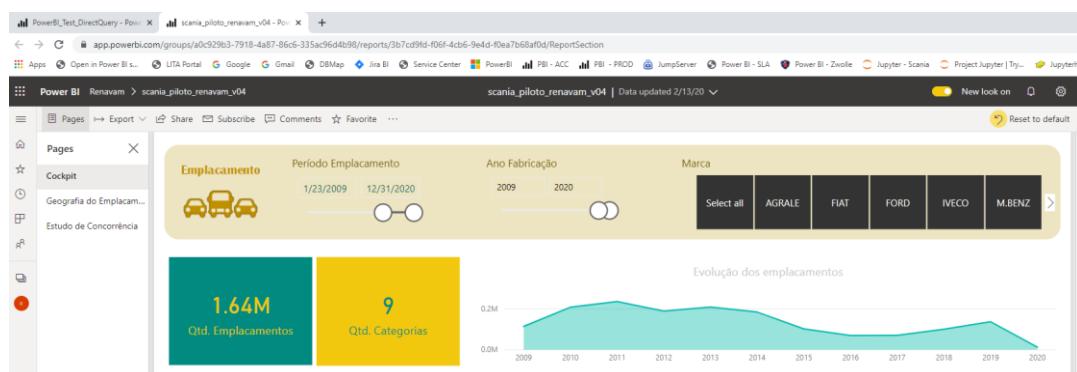
Cancel

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:





Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
69(75)

To (department acronym name)

For information (department acronym name)

- 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>



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

70(75)

To (department acronym name)

For information (department acronym name)

Ordering the PowerBI Premium Capacity

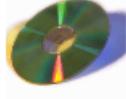
Starting January 1, 2020, the service Power BI Premium Capacity Workspace is no longer centrally financed based on a central decision from Pricing And Calculation Council (PACC) December 2019.

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 illustrates the 'New look' of the PowerBI workspace. Key features highlighted include:

- + New**: A prominent button in the left sidebar (1) for creating new content.
- View switcher**: A top-level switcher (2) between 'List' and 'Lineage' views.
- Search bar**: A search bar (3) in the top right corner.
- Filters panel**: A floating 'Filters' panel (4) containing advanced filtering options.
- Content area**: The main workspace area (5) displaying a list of items (Reports, Datasets, Dashboards) with columns for Type, Owner, Refreshed, Endorsement, and 'Include in app' status.

- 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.

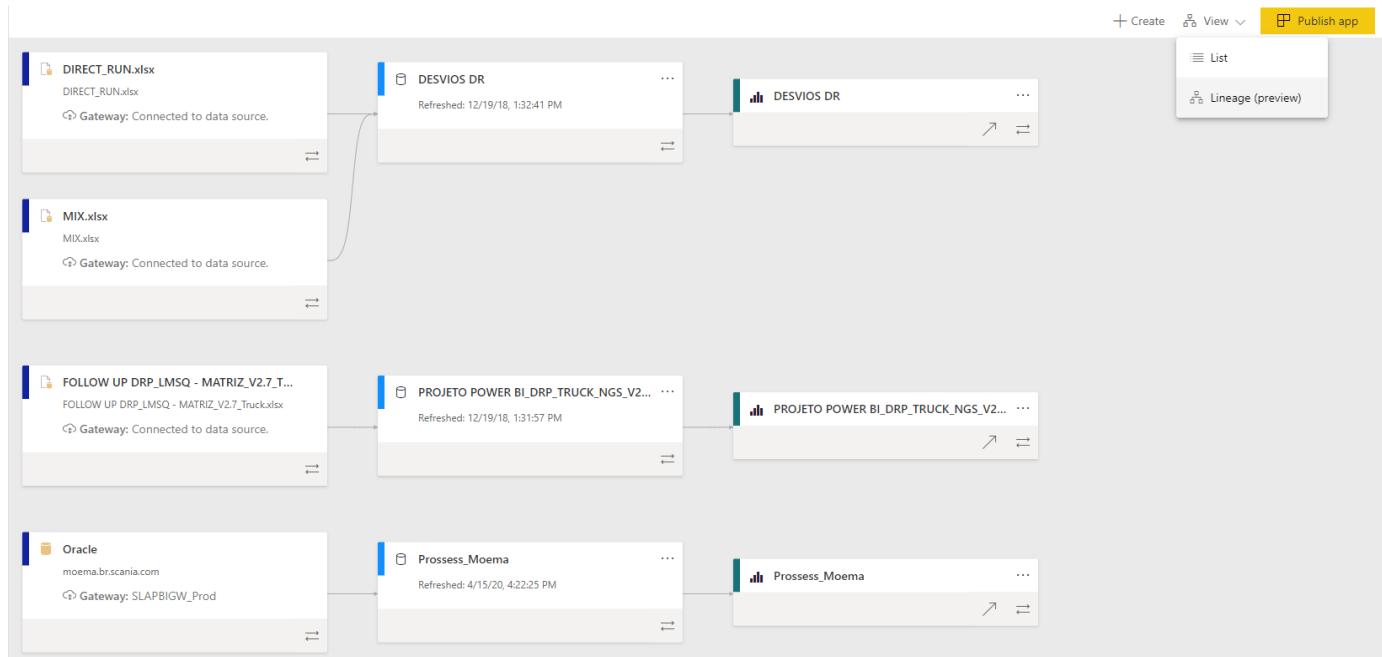


Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
72(75)

To (department acronym name)

For information (department acronym name)



- 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.



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Issue

1

Info class

Internal

Page

73(75)

To (department acronym name)

For information (department acronym name)

+ 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.



Approved by (department acronym, name)
LITA
Issued by (department acronym name phone)
LITA – Marcius Nishida - 3693

Document type
POWERBI_CLOUD - GUIDE
File name
PowerBI_v13
Date
2018-09-01
Issue
1
Info class
Internal
Page
74(75)

To (department acronym name)

For information (department acronym name)

Hands On PowerBI – 4 days

There was a Hands On PowerBI done by BDA Solutions company where you can learn how to create a PowerBI report.

The videos and files are available in [\\brsanas01\public\\$\PowerBI\PowerBI_Week](\\brsanas01\public$\PowerBI\PowerBI_Week) and the videos in Youtube are in:

- [Vídeo no Youtube do 1º dia - Hands-on Power BI](#)
- [Vídeo no Youtube do 2º dia - Hands-on Power BI](#)
- [Vídeo no Youtube do 3º dia - Hands-on Power BI](#)
- [Vídeo no Youtube do 4º dia - Hands-on Power BI](#)



Approved by (department acronym, name)

LITA

Issued by (department acronym name phone)

LITA – Marcius Nishida - 3693

Document type

POWERBI_CLOUD - GUIDE

File name

PowerBI_v13

Date

2018-09-01

Info class

Internal

Issue

1

Page

75(75)

To (department acronym name)

For information (department acronym name)

New features on July/2020

The new features in PowerBI Desktop is available on the link

https://powerbi.microsoft.com/en-us/blog/power-bi-desktop-july-2020-feature-summary/?mkt_tok=eyJpIjoiTmpSaE5tTXpOR1ZsT0dRdyIsInQiOjBZGJWd0xaQktLXC8reEFvXC9tejh2XC82R2JYTnVjbTllekZJZUIDVEVCM1U0R0NPMWNIQ0tkcmk4eHVSYVQ3SDg4cytqaHZDSkr1cvdvaCtjbU9FNGtVyzBMekIYcDdxV2V1WiRVR1Zyd3YxUGpKVm9leE1kcWtBTncl1FESWRhUHFVWDZxbmtlRFIFekZzQm00MFd4UktRPT0ifQ%3D%3D

The PowerBI desktop in June/2020 has released the enhanced dataset metadata where your refresh data in the Cloud can be failing with error below.

If you are facing that problem please read that link <https://docs.microsoft.com/en-gb/power-bi/connect-data/desktop-enhanced-dataset-metadata> to solve it.

Erro de fonte de dados: `{"error":{"code":"DM_GWPipeline_Gateway_InvalidConnectionCredentials","pbi.error":{"code":"DM_GWPipeline_Gateway_InvalidConnectionCredentials", "parameters":{}, "details":[{"code":"DM_ErrorDetailNameCode_UnderlyingErrorCode", "detail": {"type":1, "value": "-2147467259"}}, {"code":"DM_ErrorDetailNameCode_UnderlyingErrorMessage", "detail": {"type":1, "value": "Credentials are required to connect to the Folder source. (Source at \\\\brsafs03\\powerbi$\\services\\op_reports\\operationalreports\\rota oeste\\recurso\\2020.)"}}, {"code":"DM_ErrorDetailNameCode_UnderlyingHResult", "detail": [{"type":1, "value": "-2147467259"}]}, {"code":"Microsoft.Data.Mashup.CredentialError.DataSourceKind", "detail": [{"type":1, "value": "Folder"}]}, {"code":"Microsoft.Data.Mashup.CredentialError.DataSourcePath", "detail": [{"type":1, "value": "\\\\brsafs03\\powerbi$\\Services\\OP_REPORTS\\OPERATIONALREPORTS\\ROTA OESTE\\RECURSO\\2020"}]}, {"code":"Microsoft.Data.Mashup.CredentialError.Reason", "detail": [{"type":1, "value": "CredentialMissing"}]}, {"code":"Microsoft.Data.Mashup.MashupSecurityException.DataSources", "detail": [{"type":1, "value": "[{"kind": "Folder"}, {"path": "\\\\brsafs03\\powerbi$\\Services\\OP_REPORTS\\OPERATIONALREPORTS\\ROTA OESTE\\RECURSO\\2020"}]}]}, {"code":"Microsoft.Data.Mashup.MashupSecurityException.Reason", "detail": [{"type":1, "value": "CredentialMissing"}]}], "exceptionCulprit":1}}}}` Table: RECURSO.

We have two cases in Commercial Operations where the PowerBI reports that takes data from [\\brsafs03\\powerbi\\$](\\brsafs03\\powerbi$) the refreshes on the Cloud was failing.

So they had to restore the backup file, disabled the Store datasets using enhanced metadata format option and published again the report on the Cloud.