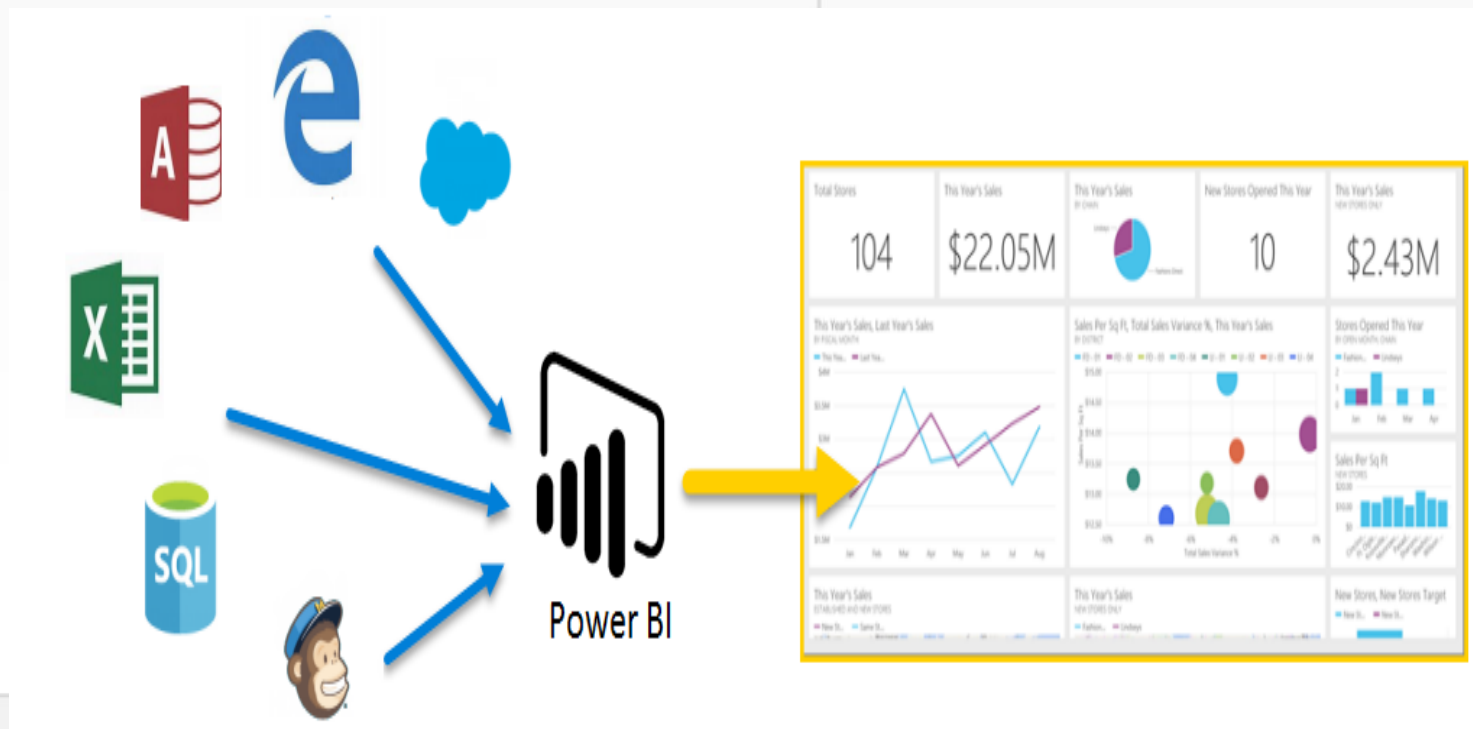


Power Bi

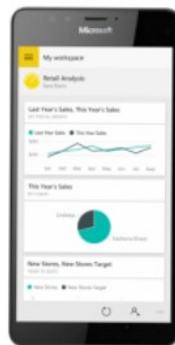
# What is Power BI?

- Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights.

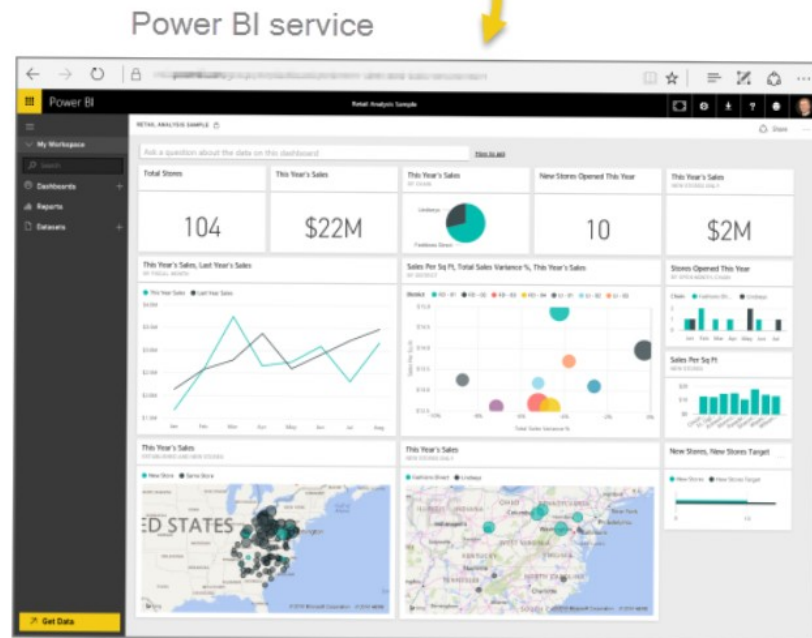


# The parts of Power BI

Power BI consists of a Windows desktop application called Power BI Desktop, an online SaaS (Software as a Service) service called the Power BI service, and mobile Power BI apps available on Windows phones and tablets, as well as for iOS and Android devices.



Power BI Mobile



Power BI service

# The flow of work in Power BI

A common flow of work in Power BI begins by connecting to data sources and building a report in **Power BI Desktop**.

That report is then published from **Desktop** to **Power BI service**, and shared so users in **service** and **mobile** can consume (view and interact with) the report.

# What is Power BI service?

Microsoft Power BI service is sometimes referred to as Power BI online or [app.powerbi.com](https://app.powerbi.com).

# Power BI concepts

The 4 major building blocks of Power BI are: **dashboards, reports, workbooks, and datasets.**

**And they're all organized into workspaces.**

# Workspaces

Workspaces are containers for dashboards, reports, workbooks, and datasets in Power BI. There are two types of workspaces:

**My workspace** and **app workspaces**

My workspace is the personal workspace for any Power BI customer to work with your own content. Only you have access to your My workspace. You can share dashboards and reports from your My Workspace.

App workspaces are used to collaborate and share content with colleagues. They are also the places where you create, publish, and manage apps for your organization. Think of them as staging areas and containers for the content that will make up a Power BI app. You can add colleagues to your app workspaces and collaborate on dashboards, reports, workbooks, and datasets. All app workspace members need Power BI Pro licenses, but app consumers (the colleagues who have access to the apps) don't necessarily need Pro licenses.

# Datasets

A dataset is a collection of data that you import or connect to

ONE dataset...

can be used over and over in one or in many workspaces.

can be used in many different reports.

Visualizations from that one dataset can display on many different dashboards.



# Reports

A Power BI report is one or more pages of visualizations (charts and graphs like line charts, pie charts, treemaps, and many more). Visualizations are also called visuals. **All of the visualizations in a report come from a single dataset.**

There are 2 modes to view and interact with reports: **Reading view** and **Editing view**. Only the person who created the report, co-owners, and those granted permission, have access to all of the exploring, designing, building, and sharing capabilities of Editing View for that report. And the people they share the report with can explore and interact with the report using Reading View.

ONE report...

is contained in a single workspace

can be associated with multiple dashboards within that workspace (tiles pinned from that one report can appear on multiple dashboards).

can be created using data from one dataset. (the slight exception to this is that Power BI Desktop can combine more than 1 dataset into a single report and that report can be imported into Power BI)

# Dashboards

A dashboard is something you create in Power BI service or something a colleague creates in Power BI service and shares with you. It is a single canvas that contains zero or more tiles and widgets.

ONE dashboard...

is associated with a single workspace

can display visualizations from many different datasets

can display visualizations from many different reports

can display visualizations pinned from other tools (e.g., Excel)


# Workbooks

Power BI classifies an Excel workbook as a Dataset and other times as a Workbook.

When you use Get data with Excel files, you have the option to Import or Connect to the file. When you choose Connect, your workbook will appear in Power BI just like it would in Excel Online. But, unlike Excel Online, you'll have some great features to help you pin elements from your worksheets right to your dashboards.

# Data sources for the Power BI service

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Excel (.xlsx, xlsm)  Excel is unique in that a workbook can have both data you've entered into worksheets yourself, and you can query and load data from external data sources by using Power Query (Get & Transform in Excel 2016) or Power Pivot. You can import data that is in tables in worksheets (the data must be in a table), or import data that is loaded into a data model. To learn more, see [Get data from Excel](#).


Power BI Desktop (.pbix) - You can use Power BI Desktop to query and load data from external data sources, extend your data model with measures and relationships, and create reports. You can import your Power BI Desktop file into your Power BI site. Power BI Desktop is best for more advanced users who have a good understanding of their data sources, data query and transformation, and data modeling concepts. To learn more, see [Connect to data in Power BI Desktop](#).


Comma Separated Value (.csv) - Files are simple text files with rows of data. Each row can contain one or more values, each separated by a comma. For example, a .csv containing name and address data can have a number of rows where each row has values for first name, last name, street address, city, state, and so on. You cannot import data into a .csv file, but many applications, like Excel, can save simple table data as a .csv file.

For other file types like XML Table (.xml) or text (.txt) files, you can use Get & Transform to query, transform, and load that data into an Excel or Power BI Desktop file first. You can then import the Excel or Power BI Desktop file into Power BI.


# Content Packs


Content packs contain all of the data and reports you need already prepared for you. In Power BI, there are two types of content packs; those from services like Google Analytics, Marketo, or Salesforce, and those created and shared by other users in your organization.

Services  There are literally dozens of services with content packs for Power BI, and more are being added all the time. Most services require you to have an account.

Organizational  If you and other users in your organization have a Power BI Pro account, you can create, share, and use content packs. T

# Databases

Databases in the Cloud  From the Power BI service, you can connect live to Azure SQL Database, Azure SQL Data Warehouse, Spark on Azure HD Insight, and SQL Server Analysis Services using DirectQuery. Connections from Power BI to these databases are live, that is, when you've connected to say an Azure SQL Database, and you begin exploring its data by creating reports in Power BI, anytime you slice your data or add another field to a visualization, a query is made right to the database.

Databases on-premises  From the Power BI service, you can connect directly to SQL Server Analysis Services Tabular model databases. A Power BI Enterprise gateway is required.

For other types of databases in your organization, you'll need to first use Power BI Desktop or Excel to connect to, query, and load data into a data model. You can then import your file into Power BI where a dataset is created. If you setup scheduled refresh, Power BI will use connection information from the file along with refresh settings you configure to connect directly to the datasource and query for updates. Those updates are then loaded into the dataset in Power BI.

# What if my data comes from a different source?

There are literally hundreds of different data sources you can use with Power BI. But regardless of where you get your data from, that data has to be in a format the Power BI service can use to create reports and dashboards, answer questions with Q & A, and so on.

Some data sources already have their data in a format ready for the Power BI service, like content packs from service providers like Google Analytics, and Twilio. SQL Server Analysis Services Tabular model databases are ready, too. And you can connect live to databases in the cloud like Azure SQL Database and Spark on HDInsight.

In other cases, it might be necessary to query and load the data you want into a file. For example, let's say you have logistics data in a data warehouse database on a server in your organization. In the Power BI service, you cannot connect directly to that database and begin exploring its data (unless it is a tabular model database). You can, however, use Power BI Desktop or Excel to query and load that logistics data into a data model you then save as a file. You can then import that file into Power BI where a dataset is created.



# How data from databses on power bi desktop is synced with power bi service


You're probably thinking ❖ But that logistics data on that database changes every day. How do I make sure my dataset in Power BI is refreshed? ❖ Connection information from the Power BI Desktop or Excel file is imported into the dataset along with the data. If you setup scheduled refresh or do a manual refresh on the dataset, Power BI will use the connection information from the dataset, along with a couple other settings, to connect directly to the database, query for updates, and load those updates into the dataset. A Power BI gateway will likely be required to secure any data transfer between your on-premises server and Power BI. Any visualizations in reports and dashboards are refreshed automatically.

You see, just because you cannot connect to your data source right from the Power BI service doesn't mean you can't get that data into Power BI



# Data refresh

If you save your files on your local drive, or a drive somewhere in your organization, a Power BI gateway might be required in-order to refresh the dataset in Power BI. And, the computer where the file is saved must be on when a refresh happens. You can also re-import your file, or use Publish from Excel or Power BI Desktop, but those are not automated processes.

If you save your files on OneDrive for Business or SharePoint  Team Sites, and then connect to or import them into Power BI, your dataset, reports, and dashboard will always be up-to-date. Because both OneDrive and Power BI are in the cloud, Power BI can connect directly to your saved file, about once every hour, and check for updates. If any are found, the dataset and any visualizations are refreshed automatically.

Content packs from services are automatically updated. In most cases, once a day. You can manually refresh, but whether or not you'll see any updated data will depend on the service provider. Content packs from others in your organization will depend on the data sources used and how the person who created the content pack setup refresh.

Azure SQL Database, Azure SQL Data Warehouse, and Spark on Azure HDInsight are unique in that they are data sources in the Cloud. Because the Power BI service is also in the cloud, Power BI can connect to them live, using DirectQuery. What you see in Power BI is always in-sync and there's no need to setup refresh.

# Considerations and Limitations

Dataset size limit - there is a 1 GB limit for each dataset in the Power BI service.

Row limit - the maximum number of rows in your dataset (when not using DirectQuery) is 2 billion, with three of those rows reserved (resulting in a usable maximum of 1,999,999,997 rows); the maximum number of rows when using DirectQuery is 1 million rows.

Column limit - the maximum number of columns allowed in a dataset, across all tables in the dataset, is 16,000 columns. This applies to the Power BI service and to datasets used in Power BI Desktop. Power BI uses an internal row number column per table included in the dataset, which means the maximum number of columns is 16,000 minus one for each table used in the dataset

# What are Power BI gateways?

A Power BI gateway is software that you install within an on-premises network; it facilitates access to data in that network. This lets organizations keep databases and other data sources on their on-premises networks, yet securely use that on-premises data in Power BI reports and dashboards.

# Types of gateways

On-premises data gateway (personal mode) – allows one user to connect to sources, and can't be shared with others. Can only be used with Power BI. This gateway is well-suited to scenarios where you're the only person who creates reports, and you don't need to share the data sources with others.

On-premises data gateway – allows multiple users to connect to multiple on-premises data sources. Can be used by Power BI, PowerApps, Flow, Azure Analysis Services, and Azure Logic apps, all with a single gateway installation. This gateway is well-suited to more complex scenarios with multiple people accessing multiple data sources.

# Using a gateway

There are four main steps for using a gateway:

- Install the gateway on a local computer, using the appropriate mode
- Add users to the gateway, so they can access on-premises data sources
- Connect to data sources, so they can be used in reports and dashboards
- Refresh on-premises data, so Power BI reports are up to date

# How gateways work

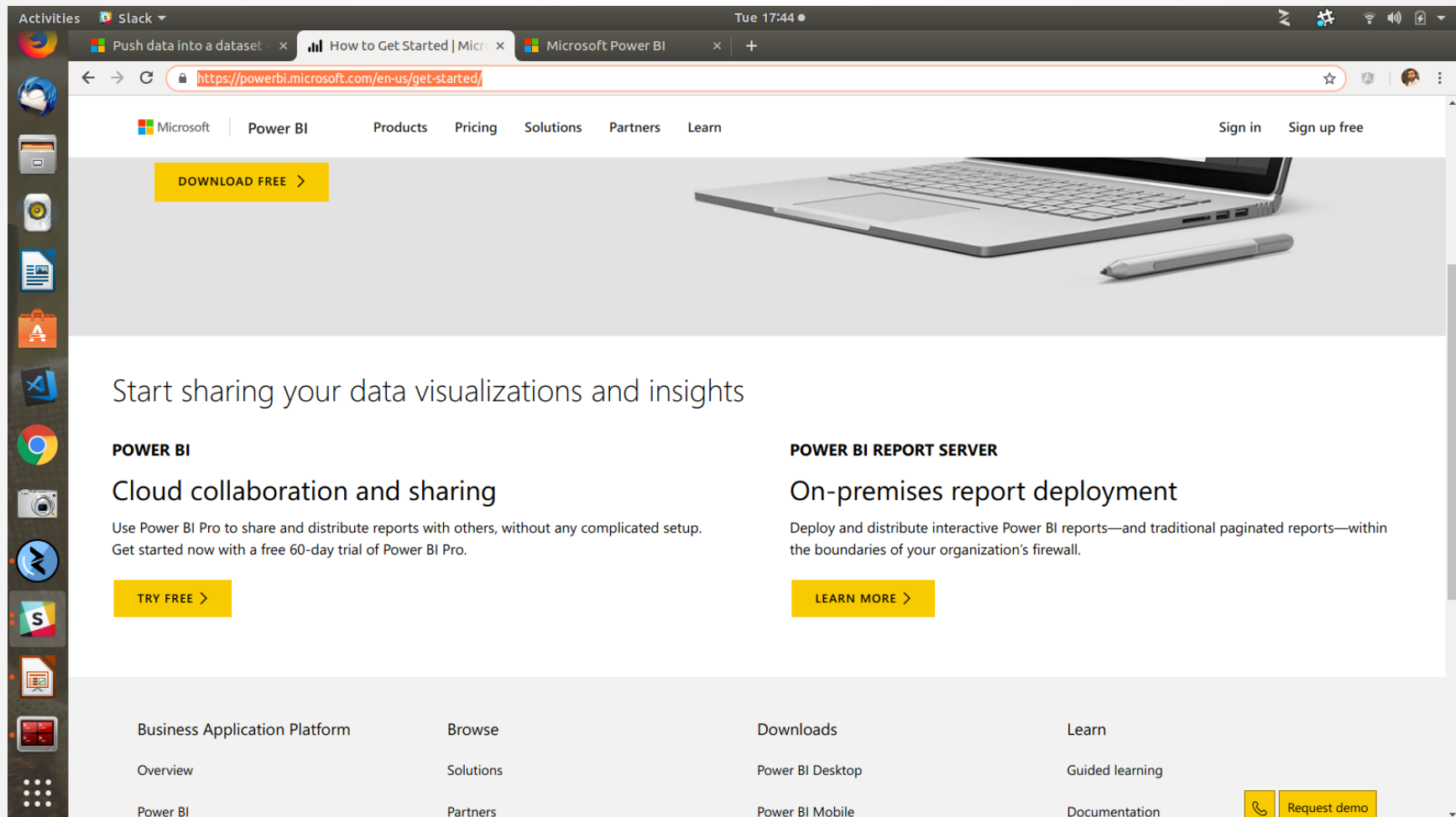
The gateway you install runs as a Windows service, On-premises data gateway. This local service is registered with the Gateway Cloud Service through Azure Service Bus. The following diagram shows the flow between on-premises data and the cloud services that use the gateway.

Queries and data flow:

- 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.
- The gateway cloud service analyzes the query and pushes the request to the Azure Service Bus.
- The on-premises data gateway polls the Azure Service Bus for pending requests.
- The gateway gets the query, decrypts the credentials, and connects to the data sources with those credentials.
- The gateway sends the query to the data source for execution.
- The results are sent from the data source, back to the gateway, and then onto the cloud service and your server.

# How to do things?

Signup for a 60 day trial version of Power Bi Pro at  
<https://powerbi.microsoft.com/en-us/get-started/>



The screenshot shows a web browser window displaying the Microsoft Power BI 'Get started' page. The browser's address bar shows the URL <https://powerbi.microsoft.com/en-us/get-started/>. The page features a navigation bar with links for Microsoft, Power BI, Products, Pricing, Solutions, Partners, and Learn, along with 'Sign in' and 'Sign up free' buttons. A prominent yellow 'DOWNLOAD FREE >' button is visible. Below this, a large image of a laptop and a pen is shown. The main content area is divided into two columns. The left column, titled 'POWER BI', focuses on 'Cloud collaboration and sharing', stating that Power BI Pro allows sharing reports without complex setup and offers a free 60-day trial, with a 'TRY FREE >' button. The right column, titled 'POWER BI REPORT SERVER', focuses on 'On-premises report deployment', describing the ability to deploy reports within an organization's firewall, with a 'LEARN MORE >' button. The footer contains a grid of links: Business Application Platform, Overview, Power BI, Browse, Solutions, Partners, Downloads, Power BI Desktop, Power BI Mobile, Learn, Guided learning, and Documentation, followed by a 'Request demo' button.

Activities Slack Tue 17:44

Push data into a dataset: x How to Get Started | Micro x Microsoft Power BI x +

<https://powerbi.microsoft.com/en-us/get-started/>

Microsoft Power BI Products Pricing Solutions Partners Learn Sign in Sign up free

DOWNLOAD FREE >

Start sharing your data visualizations and insights

**POWER BI**

**Cloud collaboration and sharing**

Use Power BI Pro to share and distribute reports with others, without any complicated setup. Get started now with a free 60-day trial of Power BI Pro.

TRY FREE >

**POWER BI REPORT SERVER**

**On-premises report deployment**

Deploy and distribute interactive Power BI reports—and traditional paginated reports—within the boundaries of your organization's firewall.

LEARN MORE >

Business Application Platform Overview Power BI

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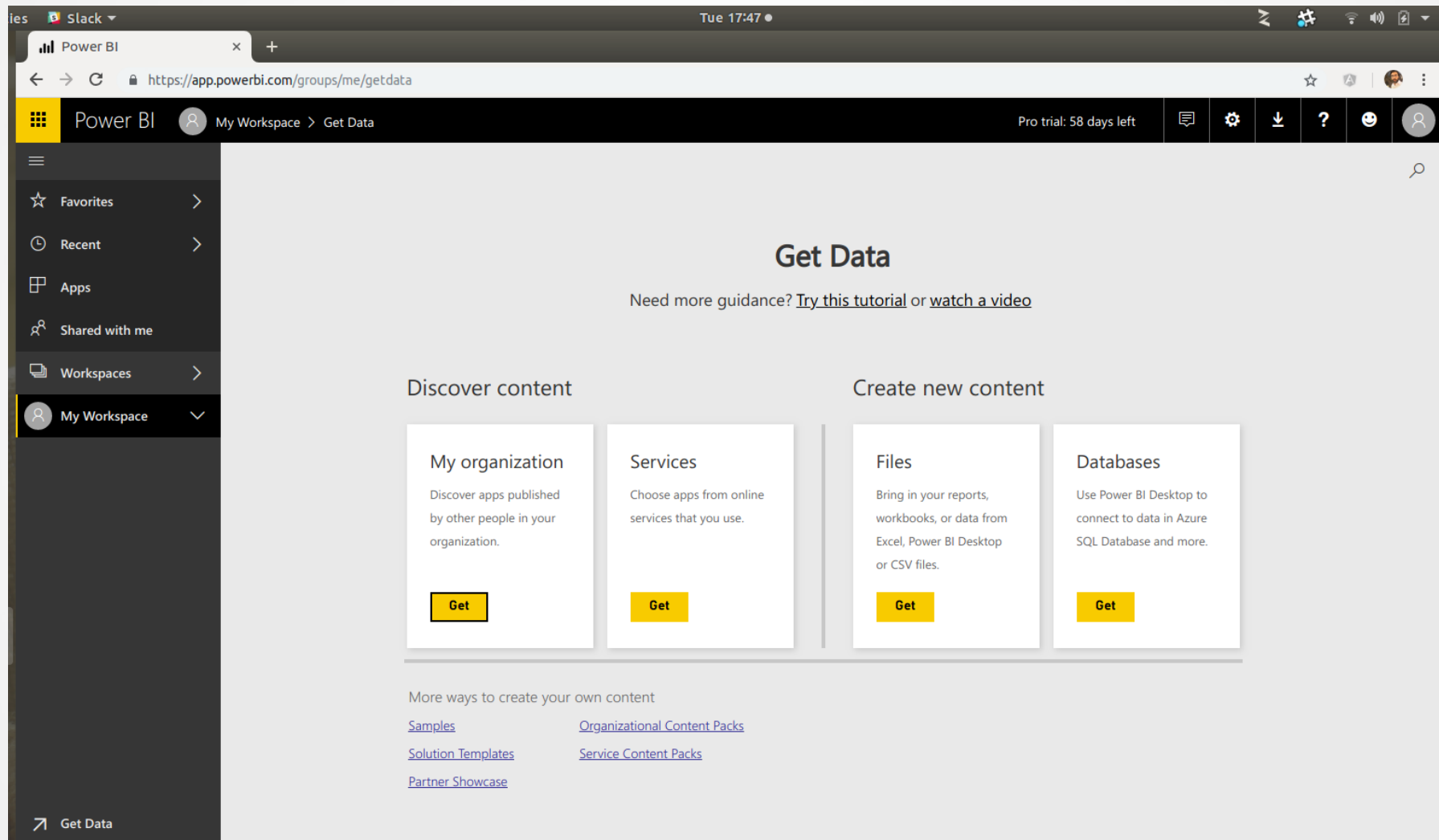
Downloads Power BI Desktop Power BI Mobile

Learn Guided learning Documentation

Request demo

# Getting Started

Login to your trial account at <http://app.powerbi.com/>





# Download, Install and Manage Power Bi Gateway and Desktop App

Click on the settings and download the Power Bi Gateway and Power Bi Desktop App

Refer

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

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

# Power Bi Desktop

Sign In to your account in Power Bi Desktop

The screenshot displays the Power BI Desktop application interface. At the top, a green banner contains the title "Power Bi Desktop". Below this, a light blue header bar reads "Sign In to your account in Power Bi Desktop". The main workspace is a large white area. In the center of this workspace, a "Sign in" dialog box is open. The dialog box has a title bar with a close button (X). Inside, it says "Sign in" followed by "Power BI Desktop and the Power BI service work seamlessly when you're signed in." Below this text is a text input field and a yellow "Sign in" button. At the bottom of the dialog, there is a blue hyperlink that reads "Need a Power BI account? Try for free". To the right of the main workspace, there are two vertical panels: "VISUALIZATIONS" and "FIELDS". The "VISUALIZATIONS" panel shows various chart and table icons. The "FIELDS" panel has a search bar and a list of fields. At the bottom of the screen, there is a taskbar with various icons, including the Windows Start button, a search icon, and the Power BI Desktop icon. The system clock in the bottom right corner shows the time as 12:26 PM on 9/25/2018.

File Home View Modeling Help

Clipboard: Paste, Cut, Copy, Format Painter

External data: Get Data, Recent Sources, Enter Data, Edit Queries, Refresh

Insert: New Page, New Visual, Ask A Question, Buttons, Text box, Image, Shapes

Custom visuals: From Marketplace, From File

Themes: Switch Theme

Relationships: Manage Relationships

Calculations: New Measure, New Column, New Quick Measure

Share: Publish

Sign in

Sign in

Power BI Desktop and the Power BI service work seamlessly when you're signed in.

Sign in

[Need a Power BI account? Try for free](#)

PAGE 1 OF 1

Power BI Gateway

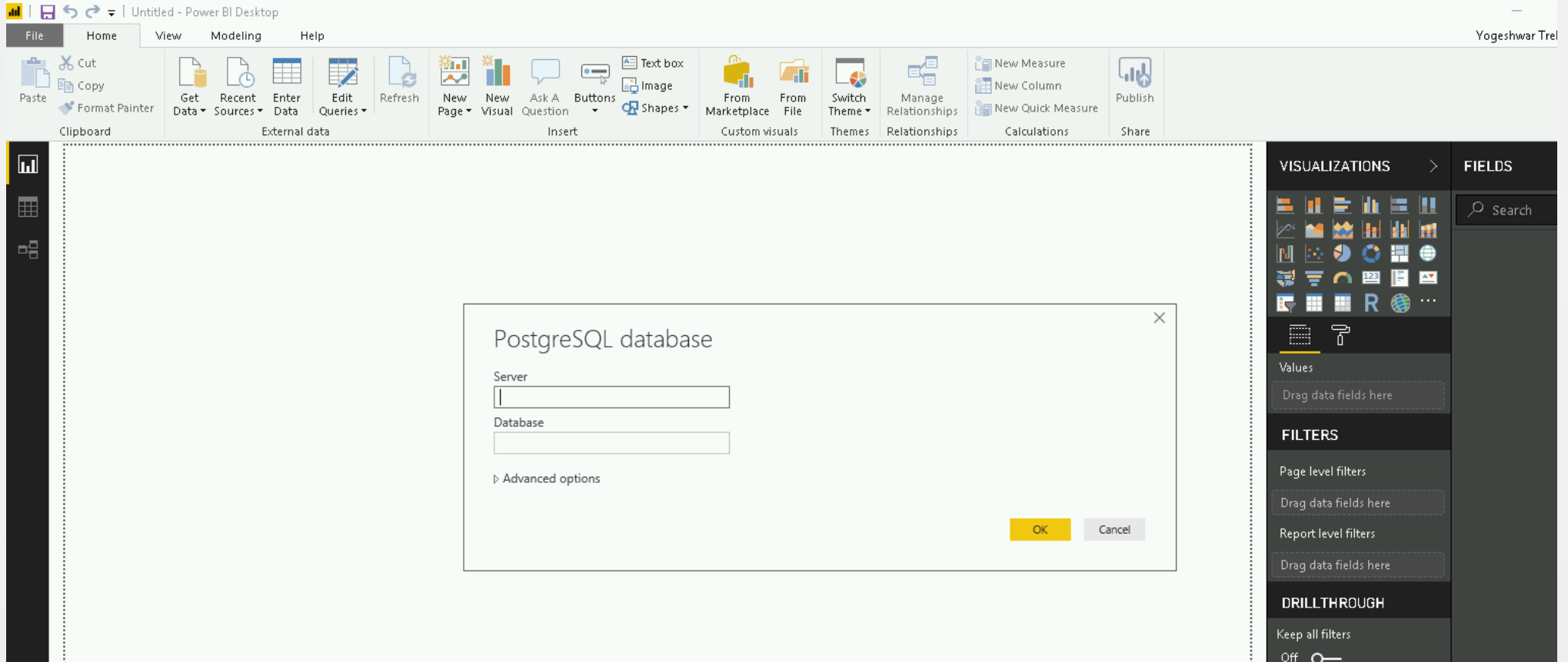
12:26 PM 9/25/2018

# Get Data from postgresql

## Prerequisites

You need to install entire feature of GAC ngpsql v2.5 from <https://github.com/npgsql/Npgsql/releases>

Then you can connect to the postgresql db and load table to Power Bi



# Load data to Power bi

Untitled - Power BI Desktop

File Home View Modeling Help

Clipboard: Cut, Copy, Paste, Format Painter

External data: Get Data, Recent Sources, Enter Data, Edit Queries

New Measure

Navigator

Display Options

- testdb.mammoth.io: exportdb [64]
  - ☒ public.Australia\_SalesSheet
  - ☐ public.bad\_data1.xlsx\_sheet1\_view\_1
  - ☐ public.Canada\_SalesSheet
  - ☐ public.csvoffice\_main\_46\_view\_1
  - ☐ public.Customer\_Information
  - ☐ public.delete
  - ☐ public.er
  - ☐ public.eury
  - ☐ public.ExportDataAsSeenPostgres1610
  - ☐ public.ExportDataAsSeenPostgres2036
  - ☐ public.ExportDataAsSeenPostgres4293
  - ☐ public.ExportDataAsSeenPostgres6734
  - ☐ public.ExportDataAsSeenPostgres9450
  - ☐ public.exportedDSForPipeline2123
  - ☐ public.exportedDSForPipeline276
  - ☐ public.exportedDSForPipeline533
  - ☐ public.exportedDSForPipeline5413
  - ☐ public.exportedDSForPipeline6685
  - ☐ public.exportedDSForPipeline9967

public.Australia\_SalesSheet

Product	Customer	Amount	Cost	Earnings	Earnings from cl
346	11003	3399.99	1912.1544	1487.8356	
310	16624	3578.27	2171.2942	1406.9758	
351	11005	3374.99	1898.0944	1476.8956	
344	11011	3399.99	1912.1544	1487.8356	
313	16351	3578.27	2171.2942	1406.9758	
314	16517	3578.27	2171.2942	1406.9758	
314	16483	3578.27	2171.2942	1406.9758	
311	16529	3578.27	2171.2942	1406.9758	
336	25249	699.0982	413.1463	285.9519	
311	16520	3578.27	2171.2942	1406.9758	
311	16607	3578.27	2171.2942	1406.9758	
314	16629	3578.27	2171.2942	1406.9758	
350	11025	3374.99	1898.0944	1476.8956	
310	16522	3578.27	2171.2942	1406.9758	
346	11002	3399.99	1912.1544	1487.8356	
312	16527	3578.27	2171.2942	1406.9758	
347	11007	3399.99	1912.1544	1487.8356	
313	16631	3578.27	2171.2942	1406.9758	
311	16514	3578.27	2171.2942	1406.9758	
312	16616	3578.27	2171.2942	1406.9758	
310	16482	3578.27	2171.2942	1406.9758	
350	11017	3374.99	1898.0944	1476.8956	
314	16352	3578.27	2171.2942	1406.9758	

Select Related Tables

Load Edit Cancel

VISUALIZATIONS

VALUES

Drag data fields here

FILTERS

Page level filters

Drag data fields here

Report level filters

Drag data fields here

DRILLTHROUGH

Keep all filters

Off

Drag drillthrough fields here

Yogeshwar Trehan

Page 1

Power BI Gateway

12:35 PM 9/25/2018

# Viewing Data in Power Bi Desktop

Untitled - Power BI Desktop

File Home Modeling Help

Clipboard External data Insert Custom visuals Themes Relationships Calculations Share

Get Data Recent Sources Enter Data Edit Queries Refresh New Page New Visual Ask A Question Buttons Text box Image From Marketplace From File Switch Theme Manage Relationships New Measure New Column New Quick Measure Publish

Product	Customer	Amount	Cost	Earnings	Earnings from clothing	Earnings from Accessories	Earnings from Bikes	Profit Percentage	Class of Profit	Product Category	Date	Customer Name	Marit
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480	13635	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/5/2013 12:00:00 AM	Kurt Deng	M
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480	11116	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/16/2013 12:00:00 AM	Clinton Carlson	M

Report

public Australia\_Sal...

Amount

Class of Profit

Cost

Country

Customer

Customer Name

Date

Earnings

Earnings from Acces...

Earnings from Bikes

Earnings from clothi...

Marital Status

Product

Product Category

Product color

Profit Percentage

State

Subcategory

Power BI Gateway

12:37 PM 9/25/2018

# Publishing Data to Workspace on Power Bi App

US\_Sales - Power BI Desktop

File Home Modeling Help

Clipboard External data Insert Custom visuals Themes Relationships Calculations Share

Get Data Recent Sources Enter Data Edit Queries Refresh New Page New Visual Ask A Question Buttons Image Shapes From Marketplace From File Switch Theme Manage Relationships New Measure New Column New Quick Measure Publish

Product	Customer	Amount	Cost	Earnings	Earnings from clothings	Earnings from Accessories	Earnings from Bikes	Profit Percentage	Class of Profit	Product Category	Date	Customer Name	Marit
480	17512	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	7/8/2013 12:00:00 AM	Cesar Suri	M
480	13635	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/5/2013 12:00:00 AM	Kurt Deng	M
480	26032	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/9/2013 12:00:00 AM	Leslie Ruiz	M
480	13668	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/14/2013 12:00:00 AM	Stanley Martinez	M
480	11115	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/14/2013 12:00:00 AM	Alvin Cai	M
480	15720	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/14/2013 12:00:00 AM	Jaime Ramos	M
480	12370	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/14/2013 12:00:00 AM	Preston Perez	M
480	15031	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/16/2013 12:00:00 AM	Darryl Lin	M
480	13613	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/17/2013 12:00:00 AM	Derek Jai	M
480	14859	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/17/2013 12:00:00 AM	Jarrod Weber	M
480	13962	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/24/2013 12:00:00 AM	Dawn Li	M
480	16694	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/25/2013 12:00:00 AM	Mandy Sun	M
480	17063	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/25/2013 12:00:00 AM	Jadlyn Wang	M
480	21367	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/25/2013 12:00:00 AM	Cindy Rana	M
480	11902	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/25/2013 12:00:00 AM	Drew Pal	M
480	16168	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/25/2013 12:00:00 AM	Kathryn Ashe	M
480	16173	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/28/2013 12:00:00 AM	Cory Rana	M
480	18287	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/30/2013 12:00:00 AM	Heather Zeng	M
480	15806	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/30/2013 12:00:00 AM	Devin Allen	M
480	14061	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	8/31/2013 12:00:00 AM	Naomi Torres	M
480	11462	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/2/2013 12:00:00 AM	Laura Lin	M
480	28216	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/3/2013 12:00:00 AM	Adrienne Ramos	M
480	15831	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/6/2013 12:00:00 AM	Omar He	M
480	16739	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/8/2013 12:00:00 AM	Cory Weber	M
480	18708	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/10/2013 12:00:00 AM	Micah Zhao	M
480	18494	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/11/2013 12:00:00 AM	Marcus Young	M
480	17062	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/11/2013 12:00:00 AM	Christy Lu	M
480	16605	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/12/2013 12:00:00 AM	Toni Randall	M
480	21374	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/12/2013 12:00:00 AM	Stacey Zhou	M
480	11116	2.29	0.8565	1.4335		1.4335		167.367192060712	Impressive	Accessories	9/16/2013 12:00:00 AM	Clinton Carlson	M

TABLE: public Australia\_SalesSheet (13,345 rows)

publishing 'US\_Sales.pbix' to Power BI

Did you know? You can create a portrait view of your report tailored for mobile phones, on the View tab select Phone Layout. [Learn more](#)

Cancel

Publish to Power BI

Select a destination

My workspace

M1

Select Cancel

12:38 PM 9/25/2018

# Creating Reports on the Data

The screenshot displays the Microsoft Power BI web application interface. The top navigation bar includes the Power BI logo, a user profile icon labeled 'My Workspace', and a trial status indicator 'Pro trial: 58 days left'. The left sidebar contains navigation options: Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace. The main content area is titled 'Search content...' and shows the 'Datasets' tab selected. A table lists the datasets, with one entry 'US\_Sales' visible. The table columns are NAME, ACTIONS, LAST REFRESH, NEXT REFRESH, and API ACCESS. Below the table, a 'Create report' button is present. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 12:41 PM on 9/25/2018.

Power BI

My Workspace






Pro trial: 58 days left

+ Create

Search content...

Dashboards Reports Workbooks Datasets

Showing 1 item(s)

NAME ↑	ACTIONS	LAST REFRESH	NEXT REFRESH	API ACCESS
 US_Sales	   	9/25/2018, 12:38:39 PM	N/A	--

Create report

Power BI Gateway

12:41 PM 9/25/2018

# Create Visuals

Power BI

https://app.powerbi.com/groups/me/datasets/f3346d3e-02ab-4e98-9f7e-2c630297bdf0

Power BI My Workspace > US\_Sales Pro trial: 58 days left

File View Reading view Mobile Layout Ask a question Explore Text box Shapes Buttons Visual interactions Refresh Duplicate this page Save

Cost by Year

The donut chart displays the distribution of costs across four years. The segments are labeled with their respective years: 2011 (teal), 2012 (dark blue), 2013 (red), and 2014 (yellow). The chart is titled 'Cost by Year'.

Year	Color
2011	Teal
2012	Dark Blue
2013	Red
2014	Yellow

Visualizations

Legend

- Date
- Year
- Quarter
- Month
- Day

Details

Add data fields here

Values

Cost

Tooltips

Add data fields here

FILTERS

Visual level filters

- Cost (All)
- Date - Day (All)
- Date - Month (All)

public Australia\_Sa...

- Amount
- Class of Profit
- ☒ Cost
- Country
- Customer
- Customer Na...
- ☒ Date
- Earnings
- Earnings fro...
- Earnings fro...
- Earnings fro...
- Marital Status
- Product
- Product Cate...
- Product color
- Profit Percen...
- State
- Subcategory

Page1

Power BI Gateway

12:42 PM 9/25/2018



# Pin Visuals To Dashboard

The screenshot displays the Microsoft Power BI web application interface. The main content area shows a donut chart titled "Cost BY YEAR" with segments for the years 2011, 2012, and 2013. A "Pin to dashboard" dialog box is open, prompting the user to select an existing dashboard or create a new one. The dialog includes a search bar, a list of existing dashboards (US, US\_Sales), and a "New dashboard" option. The "Pin" button is highlighted in yellow.

**Pin to dashboard**

Select an existing dashboard or create a new one.

Where would you like to pin to?

- ☐ Existing dashboard
- ☒ New dashboard

US

Pin Cancel

Power BI Gateway

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# Share Dashboards

US - Power BI

https://app.powerbi.com/groups/me/dashboards/9f413890-6001-42b9-80a9-dfc0acba8e44

Power BI My Workspace > US

Pro trial: 58 days left

Share dashboard

US

Share Access

Recipients will have the same access as you unless row-level security on the dataset further restricts them. [Learn more](#)

Grant access to

Panka

**Pankaj Lal** [pankaj@mammoth.io](mailto:pankaj@mammoth.io)

☒ Allow recipients to share your dashboard

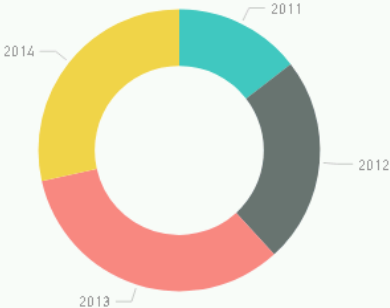
☒ Send email notification to recipients

Dashboard Link ⓘ

<https://app.powerbi.com/groups/me/dashboards/9f413890-6001-42b9-80a9-dfc0acba8e44>

Share Cancel

Cost BY YEAR



Year	Cost
2011	15%
2012	25%
2013	45%
2014	15%

Power BI Gateway

12:44 PM 9/25/2018

Created By  
Yogeshwar Trehan