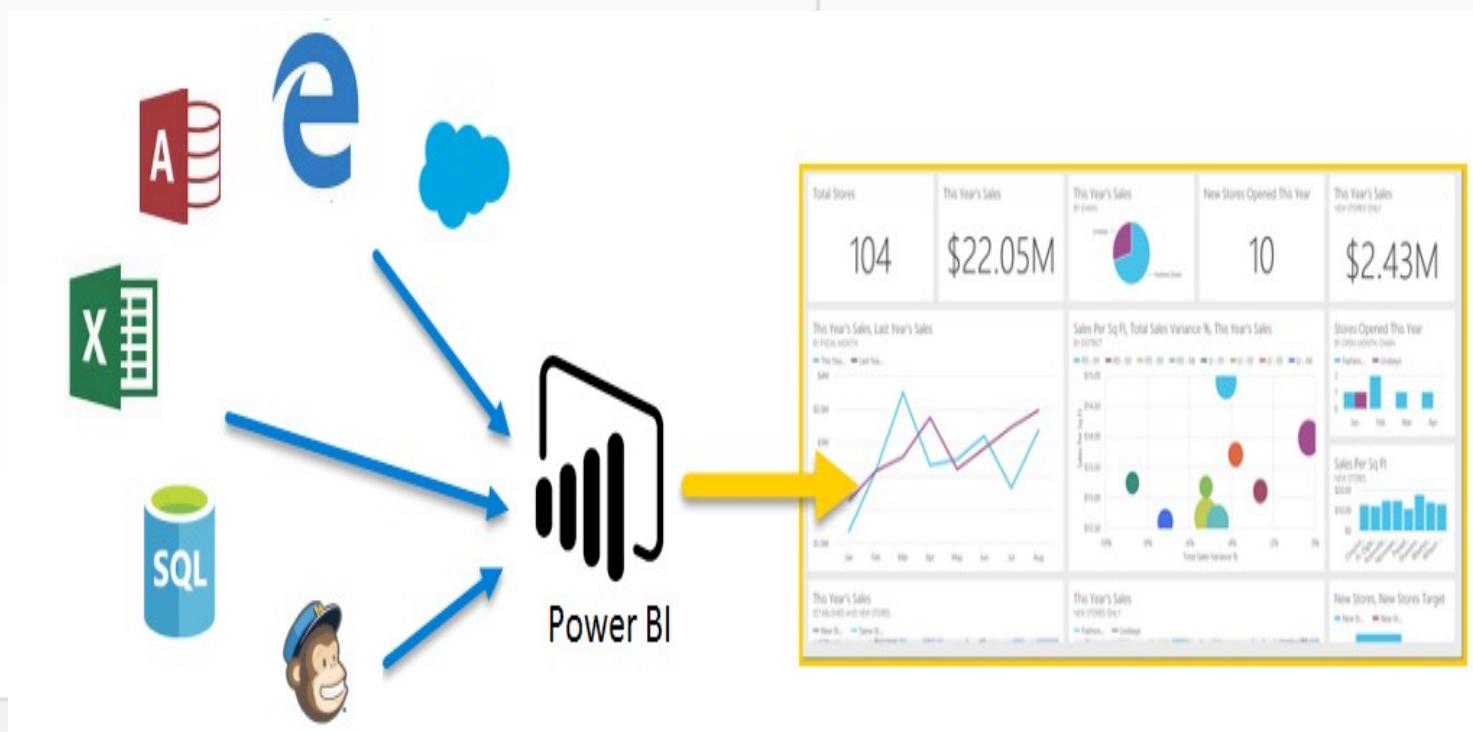


Power Bi

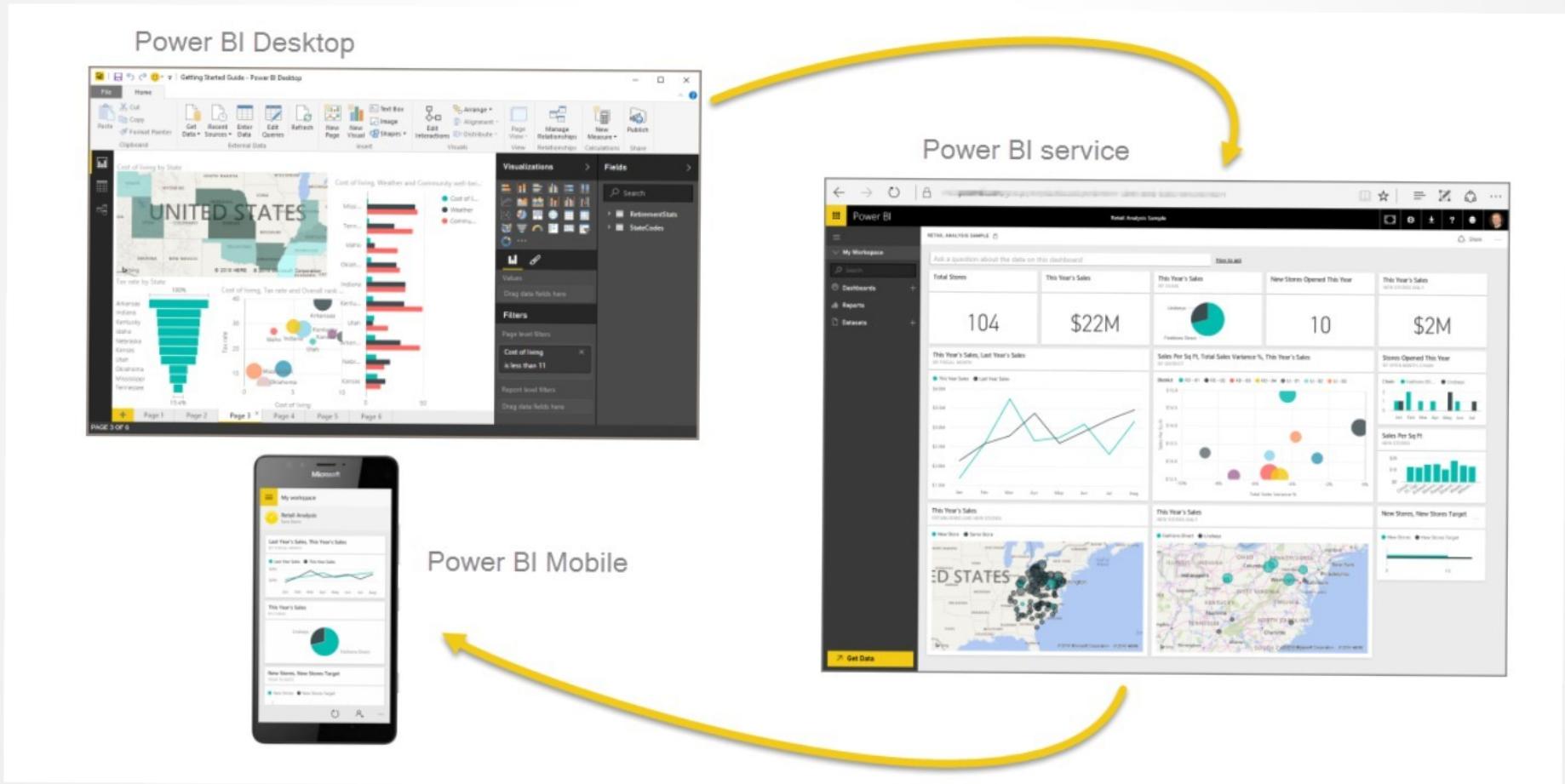
What is Power BI?

- 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.



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.

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

FILES

Excel (.xlsx, xlxm) ♦ 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 databases 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

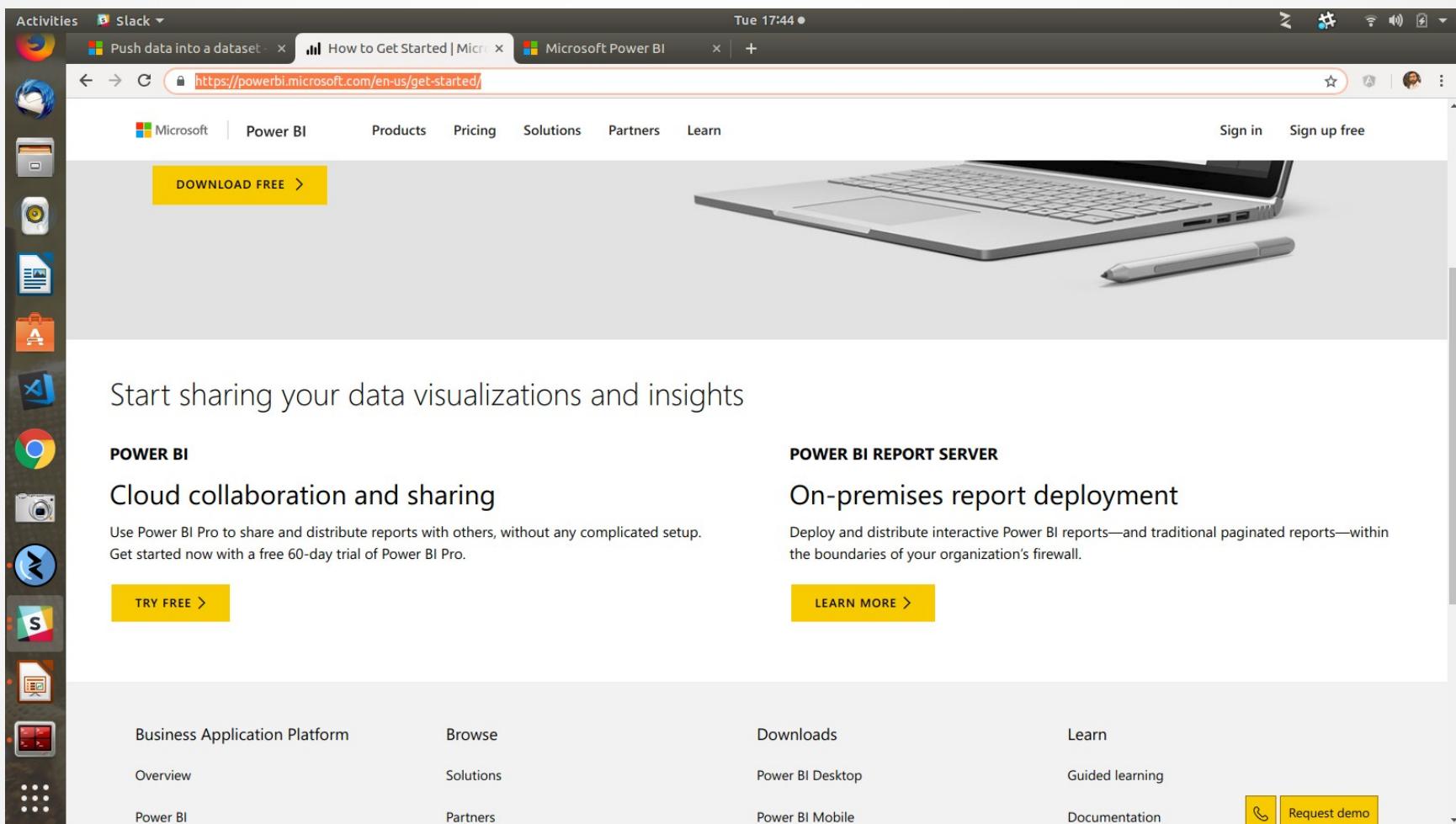
The gateway you install runs as a Windows service, On-premises data gateway. This local service is registered with the Gateway Cloud Service through Azure Service Bus. The following diagram shows the flow between on-premises data and the cloud services that use the gateway.

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/>



A screenshot of a Linux desktop environment showing a web browser window. The browser title bar reads "Tue 17:44". The address bar shows the URL <https://powerbi.microsoft.com/en-us/get-started/>. The page content is the Microsoft Power BI "Get Started" page. The page features a large image of a laptop and a stylus. At the top, there are navigation links for Microsoft, Power BI, Products, Pricing, Solutions, Partners, and Learn. On the right, there are "Sign in" and "Sign up free" buttons. A yellow "DOWNLOAD FREE >" button is visible on the left. Below the main image, there are two sections: "POWER BI" (Cloud collaboration and sharing) and "POWER BI REPORT SERVER" (On-premises report deployment). Each section has a brief description and a "TRY FREE >" or "LEARN MORE >" button. The desktop interface includes a vertical dock on the left with icons for various applications like Slack, Microsoft Edge, and File Manager.

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Getting Started

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

The screenshot shows a web browser window for Power BI. The address bar displays the URL <https://app.powerbi.com/groups/me/getdata>. The page title is "Get Data". On the left, there is a sidebar with various icons for "Activities", "Slack", "Power BI", "My Workspace", and other workspace-related options. The main content area is titled "Get Data" and includes a sub-section "Discover content" with four cards: "My organization", "Services", "Files", and "Databases", each with a "Get" button. Below these, there is a section titled "Create new content" with similar cards. At the bottom, there is a link to "More ways to create your own content" with links to "Samples", "Organizational Content Packs", "Solution Templates", "Service Content Packs", and "Partner Showcase". A status bar at the top right indicates "Pro trial: 58 days left".

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 shows the Microsoft Power BI Desktop application interface. At the top, there's a green header bar with the title "Power Bi Desktop". Below it is a standard Windows-style ribbon menu with tabs: File, Home, View, Modeling, and Help. The "Home" tab is currently selected.

The main workspace is a large white area with a dotted border. Inside this border, a "Sign in" dialog box is centered. The dialog has a title "Sign in" and a message: "Power BI Desktop and the Power BI service work seamlessly when you're signed in." It contains a text input field and a yellow "Sign in" button. Below the button is a link: "Need a Power BI account? Try for free".

On the right side of the workspace, there are two dark grey toolbars:

- VISUALIZATIONS**: Contains icons for various chart types like bar charts, line graphs, pie charts, etc.
- FIELDS**: Contains a search bar labeled "Search" and sections for "Values", "FILTERS", "Page level filters", "Report level filters", "DRILLTHROUGH", "Keep all filters", and "Off".

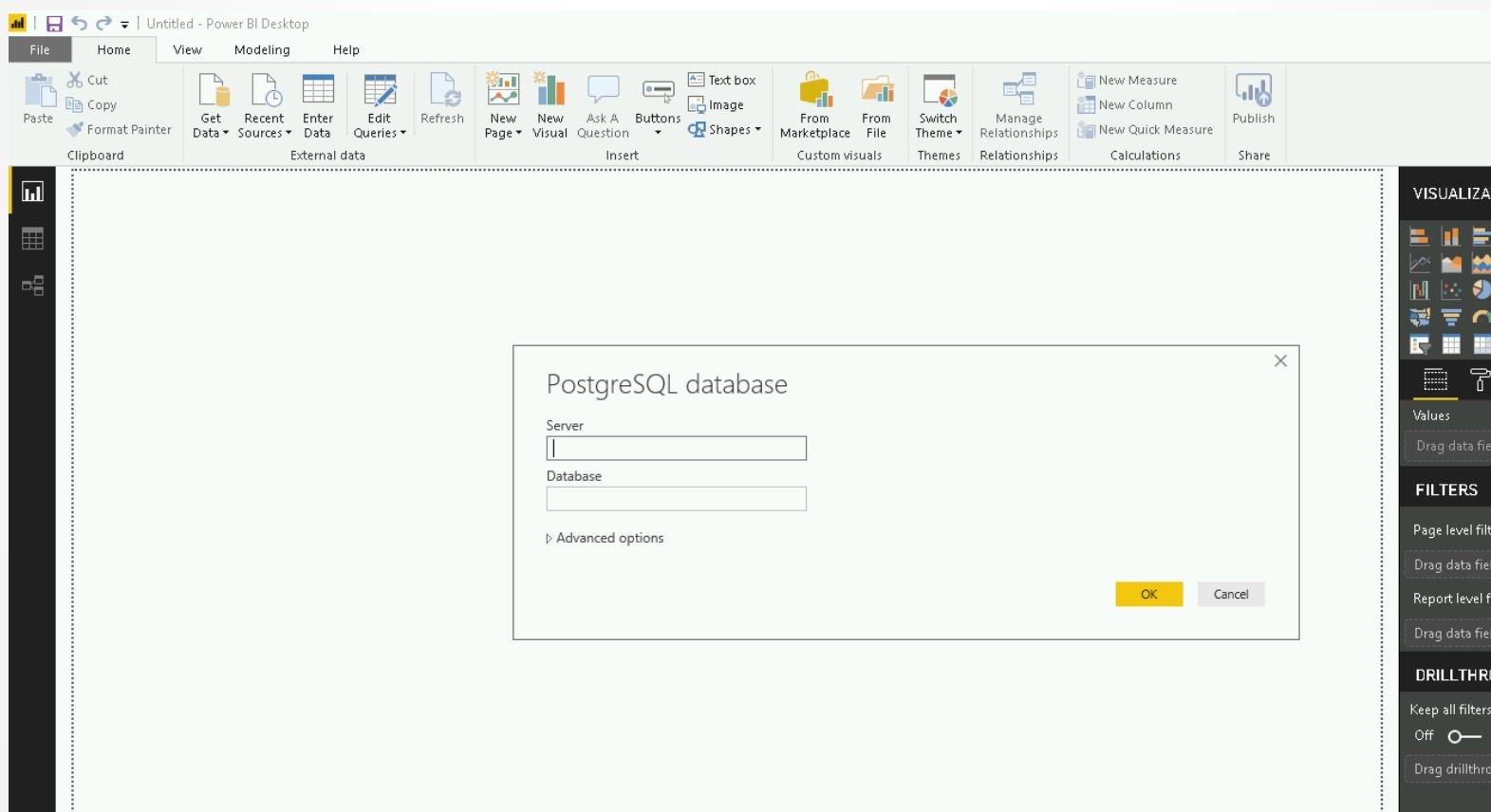
At the bottom left, there are navigation buttons for "Page1" and a plus sign, along with a "PAGE 1 OF 1" indicator. The bottom right corner shows the system tray with the date and time: "12:26 PM 9/25/2018".

Get Data from postgresql

Prerequisites

You need to install entire feature of GAC npgsql 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

The screenshot shows the Power BI Desktop interface with the following details:

- File** tab selected in the ribbon.
- Home** tab selected in the ribbon.
- View**, **Modeling**, and **Help** tabs in the ribbon.
- Clipboard** icon in the ribbon.
- Cut**, **Copy**, **Format Painter**, and **Paste** icons in the ribbon.
- Get Data** dropdown menu open, showing options: **Recent Sources**, **Enter Data**, and **Edit Queries**.
- External data** icon in the ribbon.
- Navigator** pane on the left:
 - Display Options dropdown.
 - Tree view of data sources:
 - testdb.mammoth.io: exportdb [64]
 - public.Australia_SalesSheet** (selected)
 - 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
 - Select Related Tables** button.
- public.Australia_SalesSheet** data preview grid in the center:

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	
- Load** button at the bottom right of the data preview grid.
- Visualizations** and **Fields** panes on the right side of the ribbon.
- Power BI Gateway** ribbon bar at the bottom.
- Page 1** and **+** buttons at the bottom left.
- PAGE 1 OF 1** at the bottom left.
- Windows Taskbar** at the bottom with icons for File Explorer, Internet Explorer, and Google Chrome.
- System tray** at the bottom right showing battery level, volume, and date/time (12:35 PM, 9/25/2018).

Viewing Data in Power BI Desktop

Screenshot of Power BI Desktop showing a data view and the Fields pane.

The ribbon menu includes: File, Home, Modeling, Help, Cut, Copy, Format Painter, 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, Clipboard, External data, Insert, Custom visuals, Themes, Relationships, Calculations, Share.

The Fields pane lists columns from the current table:

- Amount
- Class of Profit
- Customer
- Date
- Earnings
- Earnings from Accessories
- Earnings from Bikes
- Earnings from clothings
- Impressive
- Marital Status
- Product
- Product Category
- Profit Percentage
- Customer Name
- State
- Subcategory

The status bar shows: TABLE: public Australia_SalesSheet (13,345 rows), Power BI Gateway, 12:37 PM, 9/25/2018.

Report	Product	Customer	Amount	Cost	Earnings	Earnings from clothings	Earnings from Accessories	Earnings from Bikes	Profit Percentage	Class of Profit	Product Category	Date	Customer Name	Marital Status
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	Jadyn 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

Publishing Data to Workspace on Power BI App

US_Sales - Power BI Desktop

File Home Modeling Help

Cut Copy Format Painter Paste 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 Clipboard External data Insert Custom visuals Themes Calculations Share

Yogeshwar Trehan

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

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	14959	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	Jadyn 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	14051	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	9/6/2013 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

PUBLISHING TO POWER BI

- 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

SELECT

FIELDS

Search

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

12:38 PM 9/25/2018

Creating Reports on the Data

The screenshot shows the Power BI web application interface. The top navigation bar includes the Power BI logo, a search bar with the URL <https://app.powerbi.com/groups/me/list/datasets>, and a 'Create' button. The left sidebar contains links for Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace. The main content area displays a search bar and tabs for Dashboards, Reports, Workbooks, and Datasets. The Datasets tab is selected, showing a single item: 'US_Sales'. The table view includes columns for NAME, ACTIONS, LAST REFRESH, NEXT REFRESH, and API ACCESS. The 'Actions' column for 'US_Sales' includes icons for refresh, export, and more, along with a 'Create report' button.

Name	Actions	Last Refresh	Next Refresh	API Access
US_Sales	... Create report	9/25/2018, 12:38:39 PM	N/A	--

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 ...

Favorites >

Recent >

Apps

Shared with me

Workspaces >

My Workspace >

Cost by Year

Cost by Year

2011
2014
2012
2013

VISUALIZATIONS >

FIELDS >

Search

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

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)

Get Data

Page1 +

Power BI Gateway

12:42 PM 9/25/2018

Pin Visuals To Dashboard

US - Power BI https://app.powerbi.com/groups/me/reports/a4be7bb7-d644-457f-be95-bc4fefdde078/ Power BI My Workspace > US Pro trial: 58 days left

Favorites >

Recent >

Apps >

Shared with me >

Workspaces >

My Workspace >

DASHBOARDS You have no dashboards

REPORTS US ...

US_Sales

WORKBOOKS You have no workbooks

DATASETS US_Sales

Get Data Page1 +

VISUALIZATIONS >

FIELDS >

Cost by Year

Cost BY YEAR

2014 2011

2012 2013

2013

Pin to dashboard

Select an existing dashboard or create a new one.

Where would you like to pin to?

Existing dashboard

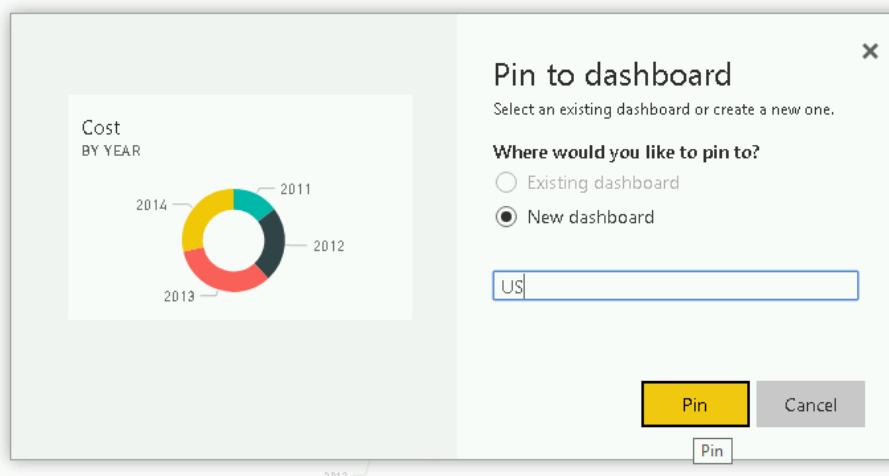
New dashboard

US

Pin Cancel Pin

Power BI Gateway

12:43 PM 9/25/2018



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

Favorites Recent Apps Shared with me Workspaces My Workspace DASHBOARDS US REPORTS US US_Sales WORKBOOKS You have no workbooks DATASETS US_Sales Get Data

Ask a question about your data

Cost BY YEAR

2014 2011 2012 2013

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

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

12:44 PM 9/25/2018

“

Created By
Yogeshwar Trehan

”

Prerequisites for exporting data from mammoth to power bi app

Prerequisites

1. Power Bi account

The screenshot shows the Microsoft Power BI website at <https://powerbi.microsoft.com/en-us/power-bi-pro/>. The page has a green header with the title "Prerequisites" and "1. Power Bi account". Below the header is a navigation bar with links for Apps, Sentry, Go, Mammoth, JIRA, Log in to continue, Kibana, Best JSBeautifier, JsBeautifier, Analyzing-Visual, Third Party API E, Course | DAT206, Microsoft, Power BI, Products, Pricing, Solutions, Partners, Learn, Sign in, and Sign up free. The main content area has a black header with the text "Get started with Power BI Pro" and a yellow "TRY FREE >" button. Below this is a yellow section with a bar chart icon and the text "Bring Power BI to your enterprise". It includes a subtext "See how to deploy, govern, and scale business intelligence for your organization." and a "LEARN MORE >" button. At the bottom are links for Business Application Platform, Browse, Downloads, Learn, a phone icon, and a "Request demo" button.

Get started with Power BI Pro

TRY FREE >

Business Application Platform

Browse

Downloads

Learn

Request demo

Sign up

To sign up for power bi you require:

1. Work E-mail (Note: personal email won't do)

The screenshot shows a web browser window with the URL https://signup.microsoft.com/signup?sku=a403ebcc-fae0-4ca2-8c8c-7a907fd6c235&email&ru=https%3A%2F%2Fapp.powerbi.com%3Fpb1_source%3Dweb%26redirectedFromSignup%3D1. The page title is "Microsoft Power BI". The main content area has a white background with a dark border. It features the text "Get started" and a large input field with the placeholder "Enter your work email address". Below the input field is a "Sign up" button with a right-pointing arrow icon. At the bottom of the page, there is a decorative graphic of three computer monitors displaying various charts and data visualizations.

Get started

Enter your work email address

Sign up →

Things you require to provide mammoth in order to export your data to PowerBi

1. Email / Password with which you have registered on PowerBi
2. Client ID

Whats Client ID?

Its a unique id provided to power bi user upon registering an app.
To obtain one see ahead...

Getting and Enabling Client ID

Register with the Power BI App Registration Tool

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

1. Go to dev.powerbi.com/apps.
2. Select Sign in with your existing account.
3. Provide an App Name.
4. Choose app type as Native
5. Redirect Url - https://login.live.com/oauth20_desktop.srf
6. Give access

App Registration Page



Register an Application for Power BI

Register a new application that can be used to call Power BI APIs

Step 1 Login to your Power BI account

Welcome, **Yogeshwar Trehan!** (Wrong account? No problem, [logout](#) and try again.)

Step 2 Tell us about your app

Let's start with some basic details.

App Name:

MammothPowerbiConnect

App Type:

Specify the type of app. Use 'Server-side Web app' for web apps or Web APIs, or 'Native app' for apps that run on client devices (Android, iOS, Windows, etc.).

Native app

Redirect URL:

A valid URL

https://login.live.com/oauth20_desktop.srf

Step 3 Choose APIs to access

Select the APIs and the level of access your app needs.

Dataset APIs

- Read All Datasets
- Read and Write All Datasets

Report and Dashboard APIs

- Read All Dashboards
- Read and Write All Dashboards
- Read All Reports
- Read and Write All Reports

Other APIs

- Read All Groups
- Create Content

Finish Registration

[My open issues] Issue na x | Home | user@mammoth.i x | Power BI Development Ce x | Redirect URIs - Microsoft / x | Power BI x | +

← → C 🔍 https://dev.powerbi.com/apps

Apps Sentry Go Mammoth JIRA Log in to continue Kibana Best JSBeautifie JsBeautifier Analyzing-Visual Third Party API B Course | DAT206

Power BI for Developers

Step 4 Register your app

Once you've set everything the way you want it, click the button below and we'll register your app. Your client ID and secret (for web apps only) will appear below. Be sure to copy the values into your app. By clicking the Register App button, you have accepted the [terms of use](#).

[Register App](#)

Client ID:
c6b773fd-c939-4f92-a1cd-72557d3baabd

Downloads

Whether you are on the go or need to create rich, interactive reports, Power BI offers you the tools you need.

POWER BI DESKTOP
MOBILE
[SEE ALL DOWNLOADS](#)

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[PYRAMID ANALYTICS](#)



Designed and built by the [Power BI Design Studio](#)



Configure Azure Active Directory

Goto <https://portal.azure.com>

After Login, Goto Azure Active Directory

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains a navigation menu with various service icons and links such as Create a resource, All services, Favorites, Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Billing, Help + support, and Identity Score (Preview). The main content area is titled "mammoth.io - Overview" under "Azure Active Directory". It includes sections for "Overview", "Getting started", "Manage" (with options for Users, Groups, Organizational relationships, Roles and administrators, Enterprise applications, Devices, App registrations, App registrations (Preview), Application proxy, Licenses, Azure AD Connect, Custom domain names, Mobility (MDM and MAM), Password reset, Company branding, User settings, Properties, Notifications settings, and Security), "Sign-ins" (noting the need for Azure AD Premium P1 or P2), "What's new in Azure AD" (listing recent changes like "Updated administrator role permissions for dynamic groups" and "Enterprise Apps - SSO"), "Your role" (Global administrator and 2 other roles), "Find" (Users search bar), "Azure AD Connect sync" (Status: Not enabled, Last sync: Sync has never run), "Create" (User, Guest user, Group, Enterprise application, App registration), and "Other capabilities" (Identity Protection, Privileged Identity Management, Tenant restrictions, Azure AD Domain Services, Access reviews). A bottom banner at the bottom right says "Getting started with Azure AD >".

App registrations Section

Check if your app is enlisted here

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains a navigation menu with various service icons and links. The main content area is titled "mammoth.io - App registrations" under "Azure Active Directory". A banner at the top right says "The preview experience for App registrations is available. Click this banner to launch the preview experience." Below this is a table listing four application registrations:

DISPLAY NAME	APPLICATION TYPE	APPLICATION ID
MA mammoth_connector	Native	a2051af3-a662-40cd-b800-4ce5814389ba
TR Trehan	Native	f13f706c-33b2-45f7-bc14-fda8c204deee
MA MammothPowerbiConnect	Native	c6b773fd-c939-4f92-a1cd-72557d3baabd
SP Sample push data app	Native	64a06e50-b1e8-4b01-8d21-ea929cc047f3

Grant permissions to the app

Microsoft Azure

Home > mammoth.io - App registrations > MammothPowerbiConnect > Settings > Required permissions

MammothPowerbiConnect
Registered app

Settings Manifest Delete

Display name: MammothPowerbiConnect Application ID: c6b773fd-c939-4f92-a1cd-72557d3baabd
Application type: Native Object ID: 47fd7407-4dda-4858-bca2-1ba2f9a8bb11
Home page: Managed application in local directory Create Service Principal

Required permissions

Add Grant permissions

Do you want to grant the permissions below for MammothPowerbiConnect for all accounts in current directory? This action will update any existing permissions this application already has to match what is listed below.

Yes No

The screenshot shows the Microsoft Azure portal interface. On the left, there's a sidebar with various service icons like Create a resource, All services, Favorites, Dashboard, etc. The main area shows the 'Required permissions' section for an app registration named 'MammothPowerbiConnect'. It lists the app's details: Display name (MammothPowerbiConnect), Application ID (c6b773fd-c939-4f92-a1cd-72557d3baabd), Application type (Native), Object ID (47fd7407-4dda-4858-bca2-1ba2f9a8bb11), and Home page (Managed application in local directory). Below these details is a 'Create Service Principal' link. The 'Required permissions' section is open, showing tabs for 'Add' and 'Grant permissions'. A confirmation message asks if the user wants to grant permissions for all accounts in the current directory, stating that it will update any existing permissions. There are 'Yes' and 'No' buttons at the bottom of the modal. The 'Grant permissions' button is highlighted with a blue border.

Ensure permissions are granted

The screenshot shows the Microsoft Azure portal interface. On the left, the navigation bar includes 'Create a resource', 'All services', 'FAVORITES' (with 'Dashboard' selected), and various service icons like 'Resource groups', 'App Services', 'Function Apps', etc. The main content area displays the 'Required permissions' section for the app registration 'MammothPowerbiConnect'. The 'Settings' tab is active. The 'Required permissions' section shows a table with two rows:

API	APPLICATION PERMI...	DELEGATED PERMIS...
Power BI Service	0	6
Windows Azure Active Directory	0	1

A callout box highlights the 'Grant permissions' button, which is described as 'Successfully granted permissions for application MammothPowerbiConnect'. A note at the bottom states: 'Note: Only admin of domain's active directory can grant permissions. Client Id is invalid unless admin grants permissions.'

Export data to Power Bi using mammoth

Sample View 1 +

Mammoth Analytics yogeshwar_intern@edgemetric.com

ADD TASK EXPLORE

Transaction ID Transaction Type Store Code Category Department Supplier Supplier Code Cost Price

1 252530044 sale 400000002163 personalization fee 1.00 general ORDER not tracked 0 1

2 252530044 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

3 252530044 sale 400000002170 personalization fee 5.00 general ORDER not tracked 0 5

4 252530044 sale 400000002125 personalization fee 0.10 general ORDER not tracked 0 0.1

5 252530044 sale 400000001975 9681 personalization fee 1.00 general ORDER not tracked 0 10

6 252915483 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

7 252915483 sale 400000001944 9681 personalization fee 1.00 general ORDER not tracked 0 7.5

8 252915483 sale 400000002170 personalization fee 5.00 general ORDER not tracked 0 5

9 252915483 sale 400000002163 personalization fee 1.00 general ORDER not tracked 0 1

10 253001650 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

11 253001650 sale 400000001814 ADVANCE HOUSE CU... general ORDER not tracked 0 4

12 253001650 sale 400000001975 9681 personalization fee 1.00 general ORDER not tracked 0 10

13 253110594 sale 400000001760 ADVANCE HOUSE CU... general ORDER not tracked 0 3.5

14 253110594 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

15 253349168 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

16 253349168 sale 400000001760 ADVANCE HOUSE CU... general ORDER not tracked 0 3.5

17 253486602 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

18 253501252 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

19 253598374 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

20 253598374 sale 400000002187 personalization fee 10.00 general ORDER not tracked 0 10

21 253598374 sale 400000002163 personalization fee 1.00 general ORDER not tracked 0 1

22 253906677 sale 400000001753 ADVANCE HOUSE CU... general ORDER not tracked 0 2.75

23 253906677 sale 400000002170 personalization fee 5.00 general ORDER not tracked 0 5

24 253906677 sale 400000002163 personalization fee 1.00 general ORDER not tracked 0 1

25 253906677 sale 400000002125 personalization fee 0.10 general ORDER not tracked 0 0.1

EXPORT DATA

Export as stored

Database

Power Bi

yogeshwar@mammoth.io

c6b773fd-c939-4f92-a1cd-72557d3baabd

a

c|

CANCEL VALIDATE APPLY

265 rows | Showing all 19 columns EXPORT

Export successfull

Click the link in notification to redirect you to your dataset in app.powerbi.com

Sample View 1 + ADD TASK EXPLORE ▾ Mammoth Analytics yogeshwar_intern@edgemetric.com

Sample_View 1 has been exported to powerbi table c in a dataset [View in Power Bi](#)

#	Transaction ID	Transaction Type	Store Code	abc	Category	Department	Supplier	#	Price
1	252530044	sale	400000002163	personalization fee 1.00	general	ORDER	not tracked	0	1
2	252530044	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
3	252530044	sale	400000002170	personalization fee 5.00	general	ORDER	not tracked	0	5
4	252530044	sale	400000002125	personalization fee 0.10	general	service	not tracked	0	0.1
5	252530044	sale	400000001975	96819 - moanalua,kalih...	Delivery	service	not tracked	0	10
6	252915483	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
7	252915483	sale	400000001944	96813 - punchbowl, pa...	Delivery	service	not tracked	0	7.5
8	252915483	sale	400000002170	personalization fee 5.00	general	ORDER	not tracked	0	5
9	252915483	sale	400000002163	personalization fee 1.00	general	ORDER	not tracked	0	1
10	253001650	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
11	253001650	sale	400000001814	ADVANCE DECORATE...	general	ORDER	not tracked	0	4
12	253001650	sale	400000001975	96819 - moanalua,kalih...	Delivery	service	not tracked	0	10
13	253110594	sale	400000001760	ADVANCE SPECIALTY ...	general	ORDER	not tracked	0	3.5
14	253110594	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
15	253349168	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
16	253349168	sale	400000001760	ADVANCE SPECIALTY ...	general	ORDER	not tracked	0	3.5
17	253486602	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
18	253501252	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
19	253598374	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
20	253598374	sale	400000002187	personalization fee 10.00	general	ORDER	not tracked	0	10
21	253598374	sale	400000002163	personalization fee 1.00	general	ORDER	not tracked	0	1
22	253906677	sale	400000001753	ADVANCE HOUSE CU...	general	ORDER	not tracked	0	2.75
23	253906677	sale	400000002170	personalization fee 5.00	general	ORDER	not tracked	0	5
24	253906677	sale	400000002163	personalization fee 1.00	general	ORDER	not tracked	0	1
25	253906677	sale	400000002125	personalization fee 0.10	general	service	not tracked	0	0.1

265 rows | Showing all 19 columns EXPORT

PowerBi dataset

Power BI My Workspace Pro trial: 21 days left + Create

Home (preview) Search content...

Favorites Recent Apps Shared with me Workspaces My Workspace Get Data

Showing 5 item(s)

NAME ↑	ACTIONS	LAST REFRESH	NEXT REFRESH	API ACCESS
a	refresh, info, copy, share, more	11/1/2018, 6:50:31 PM	N/A	Push
Saint	refresh, info, copy, share, more	10/30/2018, 2:37:52 PM	N/A	Push
Sales	refresh, info, copy, share, more	10/3/2018, 9:12:51 AM	N/A	Push
Sample Data	refresh, info, copy, share, more	10/18/2018, 12:38:36 PM	N/A	Push
Xavier	refresh, info, copy, share, more	10/30/2018, 12:48:26 PM	N/A	Push

Thanks

Created by :-

Yogeshwar Trehan

yogeshwar@mammoth.io

Exporting data to Power Bi from Mammoth

The following covers:-

- Creating an Action in the pipeline
 - Export data to Power Bi by creating an action in the pipeline
 - Create reports on Power Bi
 - Add data to the existing dataset in mammoth
 - Automated export of latest data to Power Bi
 - Refreshing the report for latest updates to data
- One time data export
 - Export data to Power Bi using export dialog in dataview page
 - Create reports from exported data in Power Bi

SalesReport - Power BI | Home | user@mammoth.io | SalesSheet - View 1 | user@mammoth.io | defaultJob Job Details - C | +

localhost:3000/#/landing/home

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visual https://qa.mammoth.io https://develop Third Party API B Course | DAT206 How to Install JD

Data Library

File name	Cols Rows	Last modified
SalesSheet	12 60,400	a day ago

SalesSheet
Last Update: a day ago

OPEN ...

Preview

#	Product	Customer	Amount	Cost	Date	Customer Na...	Marital Status	Product
1	310	21768	3578.27	2171.2942	01-Jul-2011 12:...	Cole Watson	S	Red
2	346	28389	3399.99	1912.1544	01-Jul-2011 12:...	Rachael Martinez	S	Silver
3	346	25863	3399.99	1912.1544	01-Jul-2011 12:...	Sydney Wright	S	Silver
4	336	14501	699.0982	413.1463	01-Jul-2011 12:...	Ruben Prasad	M	Black

Properties
Name: SalesSheet
Created on October 2, 2018 08:21 by Generic user

SOURCE
PostgreSQL
Host: testdb.mammoth.io > exportdb (mammoth)
Query: SELECT * FROM "SalesSheet"

Rows: 60,400 Columns: 12
60,400 rows added a day ago

DATA RETRIEVAL SCHEDULE
Auto [retrieve latest data](#)

SYNC SETTINGS [AUTO-SYNC](#)

Sharing permissions
Generic user (you)
user@mammoth.io

+

SalesReport - Power BI | Home | user@mammoth.io | SalesSheet - View 1 | user@... | defaultJob Job Details - C | +

localhost:3000/#/workspaces/9

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visual https://qa.mammoth.io https://develop... Third Party API B Course | DAT206 How to Install JD

SalesSheet View 1 + Account user@mammoth.io

ADD TASK **EXPLORE**

TRANSFORM **ACTION**

Database Cloud Drive Services

MySQL Dropbox Marketo

PostgreSQL Chrome Tableau

Elasticsearch Box Salesforce

Power BI

Export data from this view into a Power BI cloud service

Date	Customer Name	Marital Status	Product color	Subcategory	Product Category	Country
01-Jul-2011 12:00:00 ...	Cole Watson	S	Red	Road Bikes	Bikes	Canada
01-Jul-2011 12:00:00 ...	Rachael Martinez	S	Silver	Mountain Bikes	Bikes	France
01-Jul-2011 12:00:00 ...	Sydney Wright	S	Silver	Mountain Bikes	Bikes	United States
01-Jul-2011 12:00:00 ...	Ruben Prasad	M	Black	Road Bikes	Bikes	United States
01-Jul-2011 12:00:00 ...	Christy Zhu	S	Silver	Mountain Bikes	Bikes	Australia
02-Jul-2011 12:00:00 ...	Colin Anand	M	Red	Road Bikes	Bikes	United States
02-Jul-2011 12:00:00 ...	Albert Alvarez	S	Red	Road Bikes	Bikes	Australia
02-Jul-2011 12:00:00 ...	Julio Ruiz	S	Black	Mountain Bikes	Bikes	Australia
02-Jul-2011 12:00:00 ...	Curtis Lu	M	Silver	Mountain Bikes	Bikes	Australia
03-Jul-2011 12:00:00 ...	Edward Brown	S	Red	Road Bikes	Bikes	United States
03-Jul-2011 12:00:00 ...	Emma Brown	S	Red	Road Bikes	Bikes	United States
03-Jul-2011 12:00:00 ...	Brad Deng	M	Red	Road Bikes	Bikes	United Kingdom
03-Jul-2011 12:00:00 ...	Martha Xu	S	Red	Road Bikes	Bikes	Australia
03-Jul-2011 12:00:00 ...	Katrina Raji	M	Red	Road Bikes	Bikes	Australia
04-Jul-2011 12:00:00 ...	Courtney Edwards	S	Red	Road Bikes	Bikes	United States
04-Jul-2011 12:00:00 ...	Abigail Henderson	M	Red	Road Bikes	Bikes	Germany
05-Jul-2011 12:00:00 ...	Sydney Rogers	S	Red	Road Bikes	Bikes	United States
05-Jul-2011 12:00:00 ...	Latasha Alonso	M	Red	Road Bikes	Bikes	United Kingdom
05-Jul-2011 12:00:00 ...	Warren Jai	M	Red	Road Bikes	Bikes	Australia
05-Jul-2011 12:00:00 ...	Jonathon Gutierrez	M	Red	Road Bikes	Bikes	Australia
05-Jul-2011 12:00:00 ...	Alexandra Watson	S	Black	Road Bikes	Bikes	Australia
06-Jul-2011 12:00:00 ...	Kevin Gonzalez	S	Red	Road Bikes	Bikes	United States
06-Jul-2011 12:00:00 ...	Lucas Hill	M	Red	Road Bikes	Bikes	United States
06-Jul-2011 12:00:00 ...	Melanie Sanchez	M	Red	Road Bikes	Bikes	Germany
06-Jul-2011 12:00:00 ...	Louis Xie	M	Red	Road Bikes	Bikes	United Kingdom
07-Jul-2011 12:00:00 ...	Albert Blanco	M	Red	Road Bikes	Bikes	United Kingdom

60,400 rows | Showing all 12 columns **EXPORT**

Power BI | Home | user@mammoth.io | SalesSheet - View 1 | user@mammoth.io | defaultJob Job Details - C | +

localhost:3000/#/workspaces/9

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SalesSheet View 1 +

ADD TASK EXPLORE

Product Customer Amount Cost Date Customer Name Marital Status Product color Subcategory Product Category Country

#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
1	310	21768	3578.27	2171.2942	01-Jul-2011 12:00:00 ...	Cole Watson	S	Red	Road Bikes	Bikes	Canada					
2	346	28389	3399.99	1912.1544	01-Jul-2011 12:00:00 ...	Rachael Martinez	S	Silver	Mountain Bikes	Bikes	France					
3	346	25863	3399.99	1912.1544	01-Jul-2011 12:00:00 ...	Sydney Wright	S	Silver	Mountain Bikes	Bikes	United States					
4	336	14501	699.0982	413.1463	01-Jul-2011 12:00:00 ...	Ruben Prasad	M	Black	Road Bikes	Bikes	United States					
5	346	11003	3399.99	1912.1544	01-Jul-2011 12:00:00 ...	Christy Zhu	S	Silver	Mountain Bikes	Bikes	Australia					
6	311	27645	3578.27	2171.2942	02-Jul-2011 12:00:00 ...	Colin Anand	M	Red	Road Bikes	Bikes	United States					
7	310	16624	3578.27	2171.2942	02-Jul-2011 12:00:00 ...	Albert Alvarez	S	Red	Road Bikes	Bikes	Australia					
8	351	11005	3374.99	1898.0944	02-Jul-2011 12:00:00 ...	Julio Ruiz	S	Black	Mountain Bikes	Bikes	Australia					
9	344	11011	3399.99	1912.1544	02-Jul-2011 12:00:00 ...	Curtis Lu	M	Silver	Mountain Bikes	Bikes	Australia					
10	312	27621	3578.27	2171.2942	03-Jul-2011 12:00:00 ...	Edward Brown	S	Red	Road Bikes	Bikes	United States					
11	312	27616	3578.27	2171.2942	03-Jul-2011 12:00:00 ...	Emma Brown	S	Red	Road Bikes	Bikes	United States					
12	330	20042	699.0982	413.1463	03-Jul-2011 12:00:00 ...	Brad Deng	M	Red	Road Bikes	Bikes	United Kingdom					
13	313	16351	3578.27	2171.2942	03-Jul-2011 12:00:00 ...	Martha Xu	S	Red	Road Bikes	Bikes	Australia					
14	314	16517	3578.27	2171.2942	03-Jul-2011 12:00:00 ...	Katrina Raji	M	Red	Road Bikes	Bikes	Australia					
15	314	27606	3578.27	2171.2942	04-Jul-2011 12:00:00 ...	Courtney Edwards	S	Red	Road Bikes	Bikes	United States					
16	311	13513	3578.27	2171.2942	04-Jul-2011 12:00:00 ...	Abigail Henderson	M	Red	Road Bikes	Bikes	Germany					
17	310	27601	3578.27	2171.2942	05-Jul-2011 12:00:00 ...	Sydney Rogers	S	Red	Road Bikes	Bikes	United States					
18	311	13591	3578.27	2171.2942	05-Jul-2011 12:00:00 ...	Latasha Alonso	M	Red	Road Bikes	Bikes	United Kingdom					
19	314	16483	3578.27	2171.2942	05-Jul-2011 12:00:00 ...	Warren Jai	M	Red	Road Bikes	Bikes	Australia					

Power Bi

Username: yogeshwar@mammoth.io

Password: *****

Dataset: Sales

Table Name: Records

Client Id: 64a06e50-b1e8-4b01-4

Export data as stored

Exclude hidden columns

CANCEL

VALIDATE

APPLY

Power BI | Home | user@mammoth.io | SalesSheet - View 1 | defaultJob Job Details - C | +

localhost:3000/#/workspaces/9

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SalesSheet View 1 + Account user@mammoth.io

ADD TASK **EXPLORE**

Product # Customer # Amount # Cost # Date # Customer Name # Marital Status # Product color # Subcategory

1 310 21768 3578.27 2171.2942 01-Jul-2011 12:00:00 ... Cole Watson S Red Road Bikes Bikes United States
 2 346 28389 3399.99 1912.1544 01-Jul-2011 12:00:00 ... Rachael Martinez S Silver Mountain Bikes Bikes France
 3 346 25863 3399.99 1912.1544 01-Jul-2011 12:00:00 ... Sydney Wright S Silver Mountain Bikes Bikes United States
 4 336 14501 699.0982 413.1463 01-Jul-2011 12:00:00 ... Ruben Prasad M Black Road Bikes Bikes United States
 5 346 11003 3399.99 1912.1544 01-Jul-2011 12:00:00 ... Christy Zhu S Silver Mountain Bikes Bikes Australia
 6 311 27645 3578.27 2171.2942 02-Jul-2011 12:00:00 ... Colin Anand M Red Road Bikes Bikes United States
 7 310 16624 3578.27 2171.2942 02-Jul-2011 12:00:00 ... Albert Alvarez S Red Road Bikes Bikes Australia
 8 351 11005 3374.99 1898.0944 02-Jul-2011 12:00:00 ... Julio Ruiz S Black Mountain Bikes Bikes Australia
 9 344 11011 3399.99 1912.1544 02-Jul-2011 12:00:00 ... Curtis Lu M Silver Mountain Bikes Bikes Australia
 10 312 27621 3578.27 2171.2942 03-Jul-2011 12:00:00 ... Edward Brown S Red Road Bikes Bikes United States
 11 312 27616 3578.27 2171.2942 03-Jul-2011 12:00:00 ... Emma Brown S Red Road Bikes Bikes United States
 12 330 20042 699.0982 413.1463 03-Jul-2011 12:00:00 ... Brad Deng M Red Road Bikes Bikes United Kingdom
 13 313 16351 3578.27 2171.2942 03-Jul-2011 12:00:00 ... Martha Xu S Red Road Bikes Bikes Australia
 14 314 16517 3578.27 2171.2942 03-Jul-2011 12:00:00 ... Katrina Raji M Red Road Bikes Bikes Australia
 15 314 27606 3578.27 2171.2942 04-Jul-2011 12:00:00 ... Courtney Edwards S Red Road Bikes Bikes United States
 16 311 13513 3578.27 2171.2942 04-Jul-2011 12:00:00 ... Abigail Henderson M Red Road Bikes Bikes Germany
 17 310 27601 3578.27 2171.2942 05-Jul-2011 12:00:00 ... Sydney Rogers S Red Road Bikes Bikes United States
 18 311 13591 3578.27 2171.2942 05-Jul-2011 12:00:00 ... Latasha Alonso M Red Road Bikes Bikes United Kingdom
 19 314 16483 3578.27 2171.2942 05-Jul-2011 12:00:00 ... Warren Jai M Red Road Bikes Bikes Australia
 20 311 16529 3578.27 2171.2942 05-Jul-2011 12:00:00 ... Jonathon Gutierrez M Red Road Bikes Bikes Australia
 21 336 25249 699.0982 413.1463 05-Jul-2011 12:00:00 ... Alexandra Watson S Black Road Bikes Bikes Australia
 22 311 27668 3578.27 2171.2942 06-Jul-2011 12:00:00 ... Kevin Gonzalez S Red Road Bikes Bikes United States
 23 312 27612 3578.27 2171.2942 06-Jul-2011 12:00:00 ... Lucas Hill M Red Road Bikes Bikes United States
 24 311 13264 3578.27 2171.2942 06-Jul-2011 12:00:00 ... Melanie Sanchez M Red Road Bikes Bikes Germany
 25 310 13590 3578.27 2171.2942 06-Jul-2011 12:00:00 ... Louis Xie M Red Road Bikes Bikes United Kingdom
 26 312 13581 3578.27 2171.2942 07-Jul-2011 12:00:00 ... Albert Blanco M Red Road Bikes Bikes United Kingdom

60,400 rows | Showing all 12 columns **EXPORT**

SalesSheet_View 1 has been exported to powerbi table in dataset Sales at app.powerbi.com. an hour ago

Power BI | Home | user@mammoth.io | SalesSheet - View 1 | defaultJob Job Details - C | +

localhost:3000/#/workspaces/9

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SalesSheet View 1 + Account user@mammoth.io

ADD TASK **EXPLORE**

Power Bi
Exported data to Power Bi dataset
Sales Records

Original dataset

#	Product	#	Customer	#	Amount	#	Cost	#	Date	#	Customer Name	#	T	#	T	#	T	#	T	#	T	#	T
1	310		21768		3578.27		2171.2942		01-Jul-2011 12:00:00 ...		Cole Watson		S		Red		Road Bikes		Bikes				
2	346		28389		3399.99		1912.1544		01-Jul-2011 12:00:00 ...		Rachael Martinez		S		Silver		Mountain Bikes		Bikes				
3	346		25863		3399.99		1912.1544		01-Jul-2011 12:00:00 ...		Sydney Wright		S		Silver		Mountain Bikes		Bikes				
4	336		14501		699.0982		413.1463		01-Jul-2011 12:00:00 ...		Ruben Prasad		M		Black		Road Bikes		Bikes				
5	346		11003		3399.99		1912.1544		01-Jul-2011 12:00:00 ...		Christy Zhu		S		Silver		Mountain Bikes		Bikes				
6	311		27645		3578.27		2171.2942		02-Jul-2011 12:00:00 ...		Colin Anand		M		Red		Road Bikes		Bikes				
7	310		16624		3578.27		2171.2942		02-Jul-2011 12:00:00 ...		Albert Alvarez		S		Red		Road Bikes		Bikes				
8	351		11005		3374.99		1898.0944		02-Jul-2011 12:00:00 ...		Julio Ruiz		S		Black		Mountain Bikes		Bikes				
9	344		11011		3399.99		1912.1544		02-Jul-2011 12:00:00 ...		Curtis Lu		M		Silver		Mountain Bikes		Bikes				
10	312		27621		3578.27		2171.2942		03-Jul-2011 12:00:00 ...		Edward Brown		S		Red		Road Bikes		Bikes				
11	312		27616		3578.27		2171.2942		03-Jul-2011 12:00:00 ...		Emma Brown		S		Red		Road Bikes		Bikes				
12	330		20042		699.0982		413.1463		03-Jul-2011 12:00:00 ...		Brad Deng		M		Red		Road Bikes		Bikes				
13	313		16351		3578.27		2171.2942		03-Jul-2011 12:00:00 ...		Martha Xu		S		Red		Road Bikes		Bikes				
14	314		16517		3578.27		2171.2942		03-Jul-2011 12:00:00 ...		Katrina Raji		M		Red		Road Bikes		Bikes				
15	314		27606		3578.27		2171.2942		04-Jul-2011 12:00:00 ...		Courtney Edwards		S		Red		Road Bikes		Bikes				
16	311		13513		3578.27		2171.2942		04-Jul-2011 12:00:00 ...		Abigail Henderson		M		Red		Road Bikes		Bikes				
17	310		27601		3578.27		2171.2942		05-Jul-2011 12:00:00 ...		Sydney Rogers		S		Red		Road Bikes		Bikes				
18	311		13591		3578.27		2171.2942		05-Jul-2011 12:00:00 ...		Latasha Alonso		M		Red		Road Bikes		Bikes				
19	314		16483		3578.27		2171.2942		05-Jul-2011 12:00:00 ...		Warren Jai		M		Red		Road Bikes		Bikes				
20	311		16529		3578.27		2171.2942		05-Jul-2011 12:00:00 ...		Jonathon Gutierrez		M		Red		Road Bikes		Bikes				
21	336		25249		699.0982		413.1463		05-Jul-2011 12:00:00 ...		Alexandra Watson		S		Black		Road Bikes		Bikes				
22	311		27668		3578.27		2171.2942		06-Jul-2011 12:00:00 ...		Kevin Gonzalez		S		Red		Road Bikes		Bikes				
23	312		27612		3578.27		2171.2942		06-Jul-2011 12:00:00 ...		Lucas Hill		M		Red		Road Bikes		Bikes				
24	311		13264		3578.27		2171.2942		06-Jul-2011 12:00:00 ...		Melanie Sanchez		M		Red		Road Bikes		Bikes				
25	310		13590		3578.27		2171.2942		06-Jul-2011 12:00:00 ...		Louis Xie		M		Red		Road Bikes		Bikes				
26	312		13581		3578.27		2171.2942		07-Jul-2011 12:00:00 ...		Albert Blanco		M		Red		Road Bikes		Bikes				

No steps 60,400 rows | Showing all 12 columns EXPORT

Power BI Home | user@mammoth.l... | SalesSheet - View 1 | user... | defaultJob Job Details - C | + https://app.powerbi.com/groups/me/list/datasets Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visual https://qa.mam... https://develop... Third Party API B Course | DAT206 How to Install JC

Power BI My Workspace Pro trial: 51 days left Create

Home (preview)

Favorites >

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My Workspace >

Get Data

Search content...

Dashboards Reports Workbooks Datasets

Showing 2 item(s)

NAME ↑	ACTIONS	LAST REFRESH	NEXT REFRESH	API ACCESS
Cupcake Dashboard_v2	refresh, refresh, copy, delete, more	10/3/2018, 9:06:24 AM	N/A	--
Sales	refresh, refresh, copy, delete, more	10/3/2018, 9:12:51 AM	N/A	Push

Power BI Home | user@mammothi | SalesSheet - View 1 | user | defaultJob Job Details - C | +

<https://app.powerbi.com/groups/me/datasets/417d2e90-42e4-465c-92d9-af8cef950c60>

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visuals https://qa.mam... https://develop... Third Party API B Course | DAT206 How to Install JC

Power BI My Workspace > Sales Pro trial: 51 days left ↗ ⓘ ⚙️ ⏪ ⏴ ⏵ ? 🌐

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

Home (preview)

Favorites Recent Apps Shared with me Workspaces My Workspace

VISUALIZATIONS > FIELDS >

Search

Records

- Amount
- Cost
- Country
- Customer
- Customer_Na...
- Date
- Marital_Status
- Product
- Product_Cate...
- Product_color
- State
- Subcategory

Values Add 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

Get Data Page 1 +

This screenshot shows the Microsoft Power BI desktop application. The main workspace is currently empty, indicated by a dotted rectangular border. On the left, a dark sidebar contains links for Home (preview), Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace. The My Workspace link is currently selected. The top navigation bar includes File, View, Reading view, Mobile Layout, and various ribbon tabs like Explore, Text box, Shapes, Buttons, Visual interactions, Refresh, Duplicate this page, Save, and more. To the right of the workspace, there are two main panels: VISUALIZATIONS and FIELDS. The FIELDS panel is expanded, showing a search bar and a list of data records such as Amount, Cost, Country, Customer, Customer_Na..., Date, Marital_Status, Product, Product_Cate..., Product_color, State, and Subcategory. Below this list are sections for Values (with an 'Add data fields here' button), FILTERS (with 'Page level filters' and 'Report level filters' sections), DRILLTHROUGH (with a 'Keep all filters' toggle set to 'Off'), and a section for dragging drillthrough fields. At the bottom left, there's a 'Get Data' button and a page navigation bar showing 'Page 1'.

https://app.powerbi.com/groups/me/reports/20359b05-0d6a-4824-ad85-107cc8f142b1/ReportSection

Power BI My Workspace > SalesReport

File View Edit report Explore Refresh Pin Live Page Reset to default Usage metrics View related Favorite Subscribe Share ...

Home (preview)

Favorites >

Recent >

Apps

Shared with me

Workspaces >

My Workspace

Executive Insights

How we are performing ?

1 Select a Register

Product_Category

- Select All
- Accessories
- Bikes
- Clothing

2 Select a Country

Country

- Select All
- Australia
- Canada
- France

Total Sale **29.36M** Amount

Total Sale **29.36M** Amount

Amount by Country

Country	Amount
United States	9.4M
Australia	9.1M
United Kingdom	3.4M
Germany	2.9M
France	2.6M
Canada	2.0M

Amount by Product_Category

Cost by Country

Get Data

Page 1

The screenshot shows a Power BI report titled "Executive Insights" for a "SalesReport". The report includes two main sections: "How we are performing ?" and "Amount by Country". The "How we are performing ?" section contains two identical summary cards for "Total Sale" amounting to "29.36M". The "Amount by Country" section displays a bar chart comparing sales across six countries. The chart shows the following data:

Country	Amount
United States	9.4M
Australia	9.1M
United Kingdom	3.4M
Germany	2.9M
France	2.6M
Canada	2.0M

Below the main chart, there are two additional visualizations: a pie chart titled "Amount by Product_Category" and a line chart titled "Cost by Country". The pie chart shows a large segment for "Accessories" and a smaller segment for "Bikes". The line chart shows a downward trend in cost from the United States to Canada, with specific values labeled: 5.5M, 5.4M, 2.0M, 1.7M, 1.6M, and 1.1M.

SalesReport - Power BI

Home | user@mammoth.l...

SalesSheet - View 1 | user...

defaultJob Job Details - C...

https://app.powerbi.com/groups/me/reports/20359b05-0d6a-4824-ad85-107cc8f142b1/ReportSection

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing Visual https://qa.mam...

https://develop...

Third Party API B Course | DAT206 How to Install J...

Power BI My Workspace > SalesReport

File View Edit report Explore Refresh Pin Live Page

Pro trial: 51 days left

Reset to default Usage metrics View related Favorite Subscribe Share

Home (preview)

Favorites >

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Workspaces >

My Workspace >

Get Data

Page 1

Executive Insights

How we are performing ?

Select a Register

1

Product_Category

- Select All
- Accessories
- Bikes
- Clothing

2

Select a Country

Country

- Canada
- France
- Germany
- United Kingdom

Total Sale
27.04K Amount

Total Sale
27.04K Amount

Amount by Country

30K
20K
10K
0K

27K

Country France
Amount 27,035.22

France

Amount by Product_Category

Clothing

Cost by Country

20K
15K

17.2K

France

The dashboard displays the following data points:

- Total Sale:** 27.04K (Amount)
- Amount by Country:** France (27K)
- Amount by Product_Category:** Clothing
- Cost by Country:** France (17.2K)

Filters available:

- Product_Category:** Select All, Accessories, Bikes, Clothing
- Country:** Canada, France, Germany, United Kingdom

SalesReport - Power BI × Home | user@mammoth.io × SalesSheet - View 1 | user@mammoth.io × defaultJob Job Details - C × +

localhost:3000/#/landing/home

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visual https://qa.mammoth.io https://develop... Third Party API B Course | DAT206 How to Install J...

Data Library

File name Cols | Rows Last updated

SalesSheet 12 | 60,400

Refresh Data
This will refresh data for this dataset from PostgreSQL remote server:

SalesSheet

CANCEL REFRESH

#	Product	Customer	Amount	Cost	Date	Customer Na...	Marital Status	Product c...
1	310	21768	3578.27	2171.2942	01-Jul-2011 12:...	Cole Watson	S	Red
2	346	28389	3399.99	1912.1544	01-Jul-2011 12:...	Rachael Martinez	S	Silver
3	346	25863	3399.99	1912.1544	01-Jul-2011 12:...	Sydney Wright	S	Silver
4	336	14501	699.0982	413.1463	01-Jul-2011 12:...	Ruben Prasad	M	Black

Properties
Name: SalesSheet
Created on October 2, 2018 08:21 by Generic user

SOURCE
PostgreSQL
Host: testdb.mammoth.io > exportdb (mammoth)
Query: SELECT * FROM "SalesSheet"

Rows: 60,400 Columns: 12
60,400 rows added a day ago

DATA RETRIEVAL SCHEDULE
Auto [retrieve latest data](#)

SYNC SETTINGS AUTO-SYNC

Sharing permissions
Generic user (you)
user@mammoth.io

+

SalesReport - Power BI × Home | user@mammoth.io × SalesSheet - View 1 | user@mammoth.io × defaultJob Job Details - C × +

localhost:3000/#/landing/home

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visual https://qa.mammoth.io https://develop.mammoth.io Third Party API B Course | DAT206 How to Install JD

Data Library

File name Cols | Rows Last modified ▾

SalesSheet Gathering data from PostgreSQL

SalesSheet Last Update: a day ago

Gathering data from PostgreSQL

Properties

Name: SalesSheet
Created on October 2, 2018 08:21 by Generic user

SOURCE
PostgreSQL
Host: testdb.mammoth.io > exportdb (mammoth)
Query: SELECT * FROM "SalesSheet"

Rows: 0 Columns: 0
60,400 rows added a day ago

DATA RETRIEVAL SCHEDULE
Auto

SYNC SETTINGS AUTO-SYNC

Sharing permissions

Generic user (you)
user@mammoth.io

+

SalesReport - Power BI × Home | user@mammoth.io × SalesSheet - View 1 | user@mammoth.io × defaultJob Job Details - C × +

localhost:3000/#/landing/home

Apps Sentry Go Mammoth JIRA Log in to continue Kibana JsBeautifier Analyzing-Visual https://qa.mammoth.io https://develop.mammoth.io Third Party API B Course | DAT206 How to Install Jupyter

Data Library

File name Cols | Rows Last modified

SalesSheet 12 | 60,400 a day ago

SalesSheet
Last Update: a day ago

OPEN ...

Preview

#	Product	Customer	Amount	Cost	Date	Customer Na...	Marital Status	Product
1	310	21768	3578.27	2171.2942	01-Jul-2011 12:...	Cole Watson	S	Red
2	346	28389	3399.99	1912.1544	01-Jul-2011 12:...	Rachael Martinez	S	Silver
3	346	25863	3399.99	1912.1544	01-Jul-2011 12:...	Sydney Wright	S	Silver
4	336	14501	699.0982	413.1463	01-Jul-2011 12:...	Ruben Prasad	M	Black

Properties

Name: SalesSheet
Created on October 2, 2018 08:21 by Generic user

SOURCE
PostgreSQL
Host: testdb.mammoth.io > exportdb (mammoth)
Query: SELECT * FROM "SalesSheet"

Rows: 60,403 Columns: 12
60,403 rows added a minute ago

DATA RETRIEVAL SCHEDULE
Manual [retrieve latest data](#)

SYNC SETTINGS [AUTO-SYNC](#) [Toggle](#)

New Rows Pending. Your data will start Syncing in 4 Seconds. [PAUSE](#)

Sharing permissions

Generic user (you)
user@mammoth.io

+

SalesReport - Power BI × Home | user@mammoth.io × SalesSheet - View 1 | user@mammoth.io × defaultJob Job Details - C × +

localhost:3000/#/landing/home

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Data Library

File name Cols | Rows Last modified

SalesSheet 12 | 60,403 a few seconds ago

SalesSheet
Last Update: a day ago

OPEN ...

Preview

#	Product	Customer	Amount	Cost	Date	Customer Na...	Marital Status	Product c...
1	310	21768	3578.27	2171.2942	01-Jul-2011 12:...	Cole Watson	S	Red
2	346	28389	3399.99	1912.1544	01-Jul-2011 12:...	Rachael Martinez	S	Silver
3	346	25863	3399.99	1912.1544	01-Jul-2011 12:...	Sydney Wright	S	Silver
4	336	14501	699.0982	413.1463	01-Jul-2011 12:...	Ruben Prasad	M	Black

Properties

Name: SalesSheet
Created on October 2, 2018 08:21 by Generic user

SOURCE
PostgreSQL
Host: testdb.mammoth.io > exportdb (mammoth)
Query: SELECT * FROM "SalesSheet"

Rows: 60,403 Columns: 12
60,403 rows added 2 minutes ago

DATA RETRIEVAL SCHEDULE
Manual [retrieve latest data](#)

SYNC SETTINGS [AUTO-SYNC](#)

Sharing permissions

Generic user (you)
user@mammoth.io

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https://app.powerbi.com/groups/me/reports/20359b05-0d6a-4824-ad85-107cc8f142b1/ReportSection

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Power BI My Workspace > SalesReport Pro trial: 51 days left Reset to default Usage metrics View related Favorite Subscribe Share ...

Home (preview) Favorites Recent Apps Shared with me Workspaces My Workspace

FILTERS

Executive Insights

How we are performing ?

1 Select a Register

Product_Category

- Select All
- Accessories
- Bikes
- Clothing

2 Select a Country

Country

- Canada
- France
- Germany
- United Kingdom

Total Sale **119.54K** Amount

Total Sale **119.54K** Amount

Amount by Country

Country	Amount
France	119,535.22
United Kingdom	120K

Amount by Product_Category

Cost by Country

Country	Cost
France	38K

Get Data Page 1

SalesReport - Power BI | Home | user@mammoth | SalesSheet - View 1 | user@mammoth | defaultJob Job Details - C | +

localhost:3000/#/workspaces/9

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SalesSheet View 1 + Account

ADD TASK

EXPLORE

Filters: Showing 773 of 60,403 rows ▾ Reset all

Power Bi
Exported data to Power Bi dataset
Sales Records

Original dataset

Country (6 unique values)

- United States (21344)
- Australia (13345)
- Canada (7621)
- United Kingdom (6906)
- Germany (5625)
- France (5562)

Product Category (3 unique values)

- Accessories (3345)
- Bikes (1444)
- Clothing (773)

Amount	Cost	Date	Customer Name	Marital Status	Product color	Subcategory	Product Category
99	6.9223	04-Jul-2013 12:00:00 ...	Kelli Cai	M	Multi	Caps	Clothing
.99	6.9223	04-Jul-2013 12:00:00 ...	Brandi Gill	S	Multi	Caps	Clothing
.99	6.9223	05-Jul-2013 12:00:00 ...	Maurice Shan	M	Multi	Caps	Clothing
3.99	41.5723	06-Jul-2013 12:00:00 ...	Melody Munoz	M	Yellow	Jerseys	Clothing
3.99	41.5723	09-Jul-2013 12:00:00 ...	Colleen Li	S	Yellow	Jerseys	Clothing
3.99	41.5723	09-Jul-2013 12:00:00 ...	Bethany Deng	S	Yellow	Jerseys	Clothing
4.49	9.1593	09-Jul-2013 12:00:00 ...	Bethany Deng	S	Black	Gloves	Clothing
3.99	41.5723	10-Jul-2013 12:00:00 ...	Cedric Ye	S	Yellow	Jerseys	Clothing
4.49	9.1593	16-Jul-2013 12:00:00 ...	Margaret He	M	Black	Gloves	Clothing
4.49	9.1593	16-Jul-2013 12:00:00 ...	Leslie Romero	M	Black	Gloves	Clothing
.99	6.9223	20-Jul-2013 12:00:00 ...	Craig Rubio	M	Multi	Caps	Clothing
3.99	41.5723	20-Jul-2013 12:00:00 ...	Diana Carlson	M	Yellow	Jerseys	Clothing
9.99	26.1763	21-Jul-2013 12:00:00 ...	Miguel Roberts	S	Black	Shorts	Clothing
.99	6.9223	22-Jul-2013 12:00:00 ...	Nancy Schmidt	S	Multi	Caps	Clothing
3.99	41.5723	22-Jul-2013 12:00:00 ...	Nancy Schmidt	S	Yellow	Jerseys	Clothing
9.99	38.4923	22-Jul-2013 12:00:00 ...	Julie She	M	Multi	Jerseys	Clothing
4.49	9.1593	26-Jul-2013 12:00:00 ...	Linda Navarro	M	Black	Gloves	Clothing
9.99	38.4923	28-Jul-2013 12:00:00 ...	Sophia Mitchell	M	Multi	Jerseys	Clothing
9.99	26.1763	01-Aug-2013 12:00:00 ...	Allen Mehta	M	Black	Shorts	Clothing
4.49	9.1593	01-Aug-2013 12:00:00 ...	Allen Mehta	M	Black	Gloves	Clothing

Sum of Amount
119,535.22

No steps

Showing 773 of 60,403 rows | Showing all 12 columns

EXPORT FILTERED DATA

SalesReport - Power BI | Home | user@mammoth | SalesSheet - View 1 | user@mammoth | defaultJob Job Details - C | + | localhost:3000/#/workspaces/9

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SalesSheet View 1 + Account user@mammoth

ADD TASK

EXPLORE

Power Bi
Exported data to Power Bi dataset
Sales Records

Original dataset

Count	Cost	Date	Customer Name	Marital Status	Product color	Subcategory	Product Category	Country	State
578.27	2171.2942	01-Jul-2011 12:00:00 ...	Cole Watson	S	Red	Road Bikes	Bikes	Canada	British Columbia
399.99	1912.1544	01-Jul-2011 12:00:00 ...	Rachael Martinez	S	Silver	Mountain Bikes	Bikes	France	Seine Saint Denis
399.99	1912.1544	01-Jul-2011 12:00:00 ...	Sydney Wright	S	Silver	Mountain Bikes	Bikes	United States	Oregon
99.0982	413.1463	01-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United States	California
399.99	1912.1544	01-Jul-2011 12:00:00 ...				Mountain Bikes	Bikes	Australia	New South Wales
578.27	2171.2942	02-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United States	California
578.27	2171.2942	02-Jul-2011 12:00:00 ...				Road Bikes	Bikes	Australia	South Australia
374.99	1898.0944	02-Jul-2011 12:00:00 ...				Mountain Bikes	Bikes	Australia	Queensland
399.99	1912.1544	02-Jul-2011 12:00:00 ...				Mountain Bikes	Bikes	Australia	Queensland
578.27	2171.2942	03-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United States	California
578.27	2171.2942	03-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United States	California
99.0982	413.1463	03-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United Kingdom	England
578.27	2171.2942	03-Jul-2011 12:00:00 ...				Road Bikes	Bikes	Australia	Queensland
578.27	2171.2942	03-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United States	Oregon
578.27	2171.2942	04-Jul-2011 12:00:00 ...				Road Bikes	Bikes	Germany	Nordrhein-Westfalen
578.27	2171.2942	04-Jul-2011 12:00:00 ...				Road Bikes	Bikes	United States	California
578.27	2171.2942	05-Jul-2011 12:00:00 ...	Warren Jai	M	Red	Road Bikes	Bikes	Australia	Victoria
578.27	2171.2942	05-Jul-2011 12:00:00 ...	Jonathon Gutierrez	M	Red	Road Bikes	Bikes	Australia	New South Wales
99.0982	413.1463	05-Jul-2011 12:00:00 ...	Alexandra Watson	S	Black	Road Bikes	Bikes	Australia	New South Wales
578.27	2171.2942	06-Jul-2011 12:00:00 ...	Kevin Gonzalez	S	Red	Road Bikes	Bikes	United States	Washington
578.27	2171.2942	06-Jul-2011 12:00:00 ...	Lucas Hill	M	Red	Road Bikes	Bikes	United States	California
578.27	2171.2942	06-Jul-2011 12:00:00 ...	Melanie Sanchez	M	Red	Road Bikes	Bikes	Germany	Bayern
578.27	2171.2942	06-Jul-2011 12:00:00 ...	Louis Xie	M	Red	Road Bikes	Bikes	United Kingdom	England
578.27	2171.2942	07-Jul-2011 12:00:00 ...	Albert Blanco	M	Red	Road Bikes	Bikes	United Kingdom	England

No steps | 60,403 rows | Showing all 12 columns | EXPORT