

# Setup Guide for Power BI

## I] Power BI

Why Power BI for visualization?

Power BI is a Microsoft visualization tool that enables users to visualise the data and create useful dashboards.

Benefits of Power BI

1. Interactive visualizations and easy integration with other MS tools
2. Unlimited access to both local and cloud data
3. Secure sharing of reports
4. Easy creation of report and dashboards

## II] Power BI Architecture

Components of Power BI Architecture

1. Data Sources
2. Power BI Desktop
3. Power BI Service
4. Power BI Report Server
5. Power BI Gateway
6. Power BI Mobile
7. Power BI Embedded

Power BI architecture is a service built on top of Azure. There are multiple data sources that Power BI can connect to. Power BI takes data from the data source and works this data with Power BI Desktop. Power BI Desktop allows you to create reports and data visualizations on the dataset. The reports created on Power BI Desktop is shared using a web-based platform called Power BI Service. Power BI Report Server is also similar to Power BI Service, it is used by organizations who do not want to publish their reports on the cloud and are concerned about the security of their data. Power BI gateway is used to connect and access the data on secured networks. Power BI mobile app helps the users to stay connected to their data and reports via mobile phones. Power BI Embedded lets users to quickly embed the visuals and reports into their application.

## III] Installing Power BI

Minimum requirements to run Power BI Desktop:

- Windows 7 / Windows Server 2008 R2, or later
- .NET 4.5
- Internet Explorer 9 or later
- Memory (RAM): At least 1 GB available, 1.5 GB or more recommended.
- Display: At least 1440×900 or 1600×900 (16:9) recommended. Lower resolutions such as 1024×768 or 1280×800 are not recommended, as certain controls (such as closing the startup screen) display beyond those resolutions.

- **Windows Display settings:** If your display settings are set to change the size of text, apps, and other items to more than 100%, you may not be able to see certain dialogs that must be closed or responded to in order to proceed using Power BI Desktop. If you encounter this issue, check your Display settings by going to Settings > System > Display in Windows, and use the slider to return display settings to 100%.
- **CPU:** 1 gigahertz (GHz) or faster x86- or x64-bit processor recommended.

## Steps for Installation

**Step 1:** Select the language and click the download button from <https://www.microsoft.com/en-us/download/details.aspx?id=58494>

Microsoft Power BI Desktop

*Important!* Selecting a language below will dynamically change the complete page content to that language.

Select Language:  Download

Microsoft Power BI Desktop is built for the analyst. It combines state-of-the-art interactive visualizations, with industry-leading data query and modeling built-in. Create and publish your reports to Power BI. Power BI Desktop helps you empower others with timely critical insights, anytime, anywhere.

### Details

**Note:** There are multiple files available for this download. Once you click on the "Download" button, you will be prompted to select the files you need.

<b>Version:</b>	<b>Date Published:</b>
2.84.981.0	8/28/2020
<b>File Name:</b>	<b>File Size:</b>
PBIDesktopSetup_x64.exe	292.0 MB
PBIDesktopSetup.exe	269.7 MB

**Step 2:** Select the suitable power BI desktop version for your OS from the checkbox

Choose the download you want

<input type="checkbox"/> File Name	Size
<input checked="" type="checkbox"/> PBIDesktopSetup_x64.exe	292.0 MB
<input type="checkbox"/> PBIDesktopSetup.exe	269.7 MB

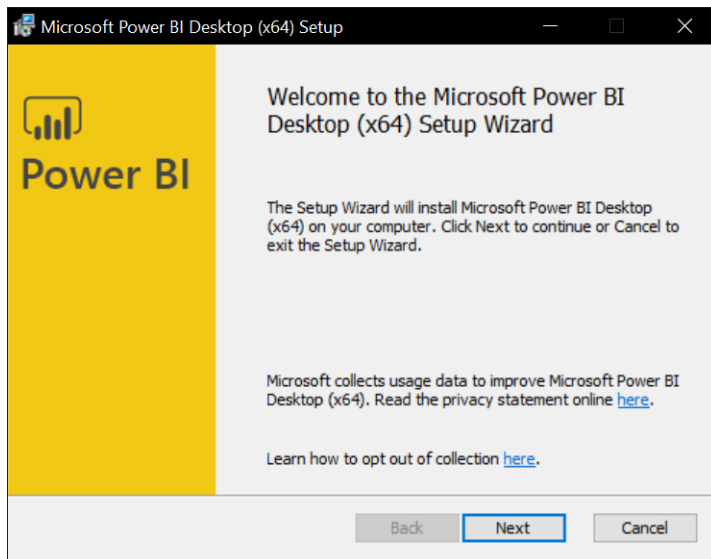
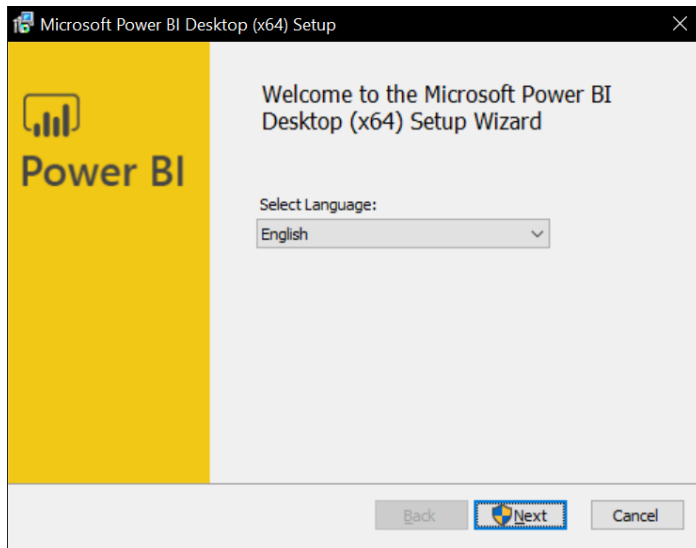
Download Summary:  
KBMBGB

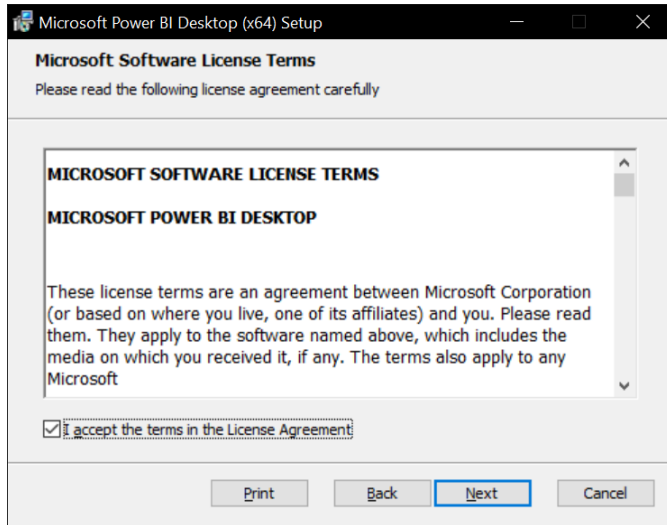
1. PBIDesktopSetup\_x64.exe

Total Size: 292.0 MB

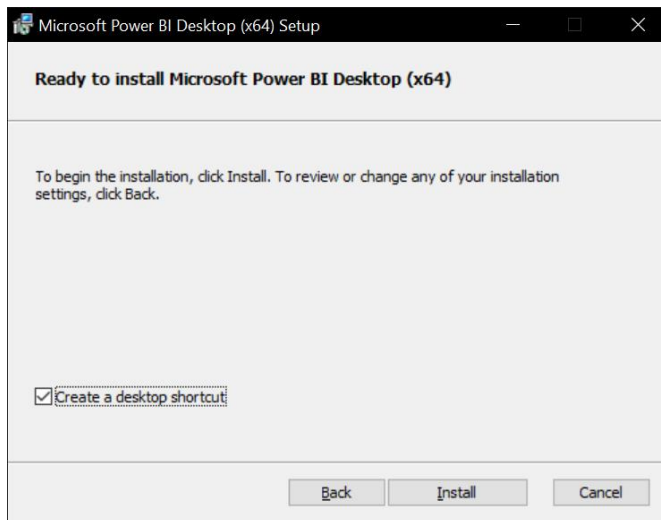
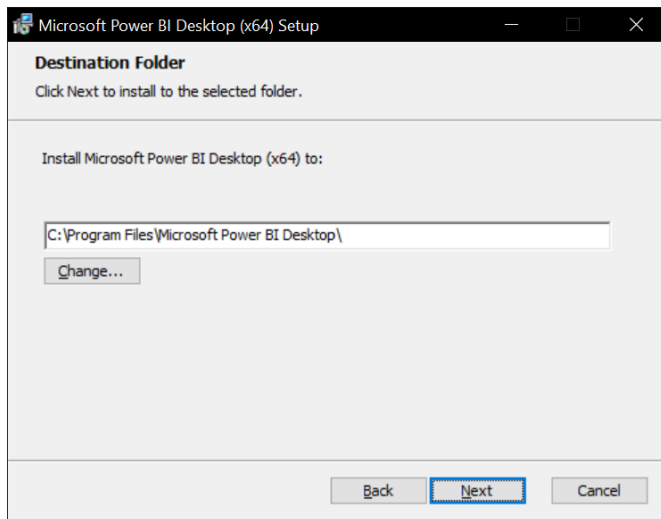
Next

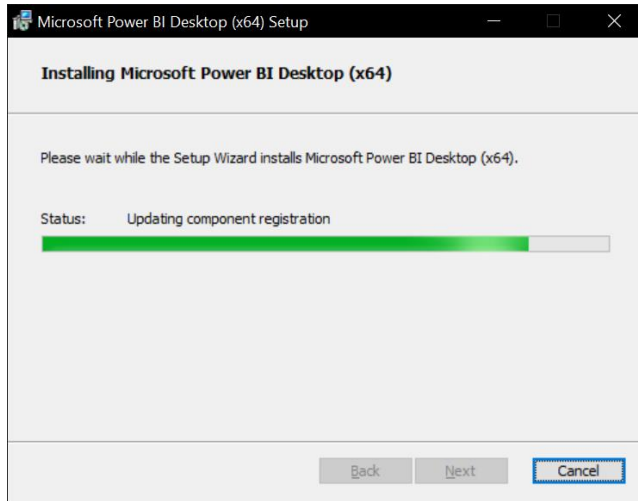
**Step 3:** After running the downloaded file “PBIDesktopSetup\_x64.exe”, follow the following steps:



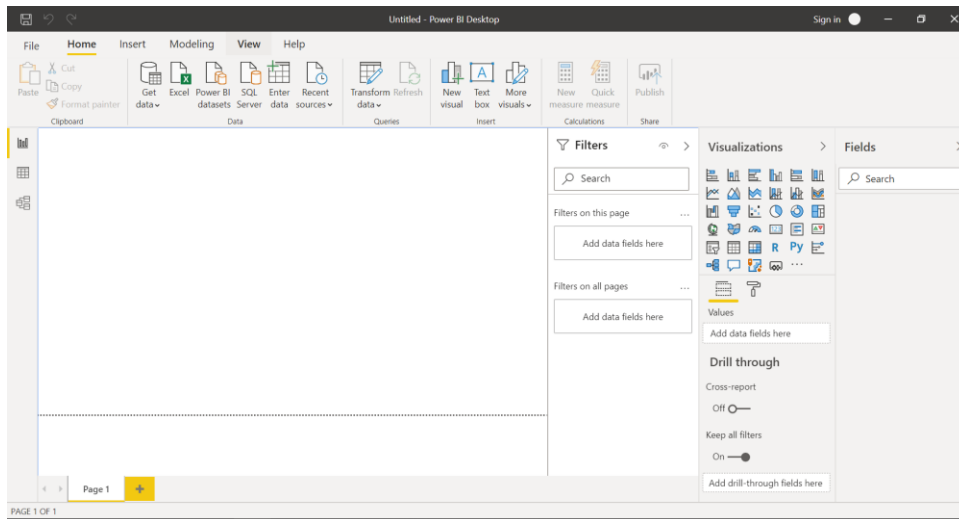


#### Step 4: Select a suitable installation directory





**Step 5:** After successful installation, a welcome screen is launched to connect data and create reports.



#### IV] References

1. <https://www.microsoft.com/en-us/download/details.aspx?id=58494>
2. <https://www.nigelfrank.com/blog/everything-you-ever-wanted-to-know-about-microsoft-power-bi/>