

# Power BI Assignment 3

## 1. List and explain different Power BI products?

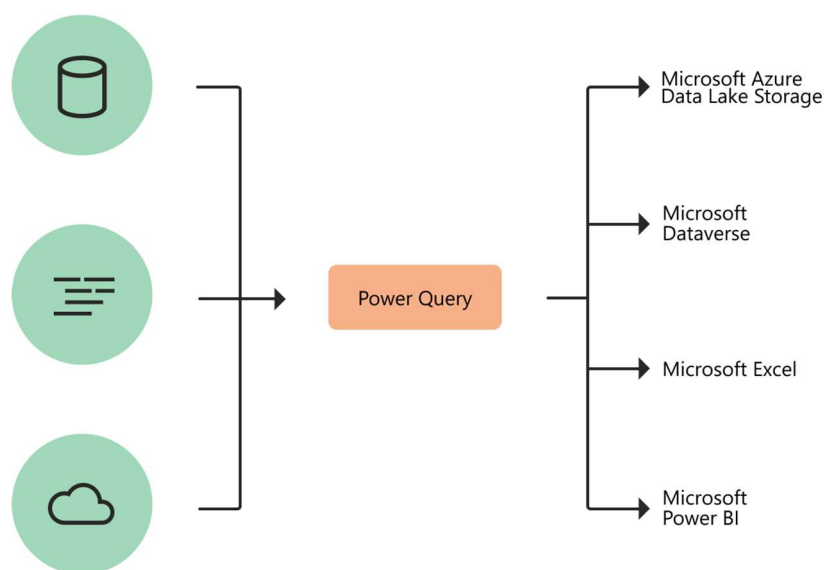
Power BI Desktop	Power BI Pro	Power BI Premium	Power BI Embedded
<ul style="list-style-type: none"><li>• Creating and editing customized reports for every level of expertise.</li><li>• Data ingestion from hundreds of supported data sources.</li><li>• Data transformation, cleaning, data model creation with built-in Power Query Editor.</li><li>• AI-driven analytics.</li><li>• Interactive reporting with pre-built or custom visuals.</li></ul>	<ul style="list-style-type: none"><li>• Self-service BI in the cloud.</li><li>• Creating, editing and sharing reports and dashboards among users.</li><li>• Collaboration in personal and team workspaces.</li><li>• 10 GB of storage per user.</li></ul>	<ul style="list-style-type: none"><li>• Enterprise BI both on-premises and in the cloud.</li><li>• Dedicated storage (100 TB) and compute resources.</li><li>• Consumption of Power BI content without individual licensing.</li><li>• Maintaining BI assets on-premises with the Power BI Report server.</li><li>• Paginated reporting.</li><li>• Multi-geo capability.</li></ul>	<ul style="list-style-type: none"><li>• Reports, dashboards and visual analytics embedded into applications.</li><li>• An extensive library of data connectors, APIs, and fully documented SDKs.</li></ul>

## 2. What limitations of Excel, Microsoft solved by Power BI?

- Excel is used to organize data, transform it and perform mathematical operations and calculations. On the other hand, Power BI was conceived as a business intelligence and data visualization tool for businesses.
- Excel has limitations in the amount of data it can work with. In contrast, Power BI can handle much larger amounts of data.
- Power BI can connect to a large number of data sources, while Excel's connectivity capacity is limited. Also, unlike Excel, Power BI can be easily used from mobile devices.
- Power BI has faster processing than Excel.
- Power BI dashboards are more visually appealing, interactive and customizable than those in Excel.
- Power BI is a more powerful tool than Excel in terms of comparison between tables, reports or data files.
- Power BI is more user friendly and easy to use than Excel.

## 3. Explain Power-Query?

Ans :- Power Query is a data transformation and data preparation engine. Power Query comes with a graphical interface for getting data from sources and a Power Query Editor for applying transformations. Because the engine is available in many products and services, the destination where the data will be stored depends on where Power Query was used. Using Power Query, you can perform the extract, transform, and load (ETL) processing of data.



## **4. Explain Power Map?**

Ans :- Microsoft's Power Map for Excel and Power BI is a 3-D data visualization tool that lets you map your data and plot more than a million rows of data visually on Bing maps in 3-D format from an Excel table or Data Model in Excel. Power Map works with Bing maps to get the best visualization based on latitude, longitude, or country, state, city, and street address information.

## **5. How Power BI eliminated the need to host SharePoint Server on premises?**

The following features and functionality have been deprecated in SharePoint Server 2019.

### **Access Services 2010**

Access Services 2010 will remain supported, but deprecated, for the SharePoint Server 2019 release. Customers are recommended to explore Microsoft Power Apps and Power Automate as potential alternatives to Access Services 2010.

### **Access Services 2013**

Access Services 2013 will remain supported, but deprecated, for the SharePoint Server 2019 release. Customers are recommended to explore Microsoft Power Apps and Power Automate as potential alternatives to Access Services 2013.

### **Aggregated Newsfeed**

The aggregated newsfeed feature (available at [newsfeed.aspx](#) and typically accessed via the Newsfeed tile on the app launcher), will be set to read-only in SharePoint Server 2019. Both the tile in the app launcher and the option to implement the newsfeed capability will also be removed from this version forward. For customers who are currently using the aggregated newsfeed, we recommend considering options such as Team News, Communication Sites, Yammer and/or Teams. The Site Feed feature on an individual site is not impacted and will continue to be supported across all versions of the product.

### **Custom Help**

To ensure that users receive highly relevant help content, we are moving from away from our legacy on-premises SharePoint help engine, which is based on help collections being installed in the on-prem farm. The new SharePoint help system is now rendered in the cloud and will have updated, synchronized content with Microsoft 365. Custom help based on the legacy SharePoint help engine will remain supported, but deprecated, for the SharePoint Server 2019 release.

### Groove.exe (Previous OneDrive for Business sync app)

The previous OneDrive for Business sync app (Groove.exe) was used for syncing files in SharePoint Server 2010, 2013, and 2016. SharePoint Server 2019 introduces support for the new OneDrive sync app (OneDrive.exe), which provides a more reliable and feature-rich syncing experience. If a user's existing sync relationships are to a site that has been upgraded to SharePoint Server 2019, the new OneDrive sync app will attempt to take over syncing. Administrators can control this transition experience.

The previous OneDrive sync app will remain supported, but deprecated, for the SharePoint Server 2019 release.

### InfoPath Services

As we announced in the Microsoft 365 blog, InfoPath Services is a deprecated feature and customers are advised to explore alternatives for this feature. InfoPath Services will remain supported, but deprecated, for the SharePoint Server 2019 release.

There will not be a new InfoPath client shipped with this release. Microsoft will ensure that the InfoPath 2013 client will work with SharePoint Server 2019 for the remainder of the client support lifecycle (2026). InfoPath 2013 clients will not be supported beyond that timeframe.

### Lists Web Service

The following SOAP endpoints in the Lists web service depend on the Microsoft Sync Framework, which was necessary to support the Groove sync app. Because the Groove sync app is now a deprecated feature, these SOAP endpoints are also being deprecated for the SharePoint Server 2019 release.

- Lists.GetListItemChangesWithKnowledge
- Lists.UpdateListItemsWithKnowledge

## Machine Translations

The Machine Translation Services and APIs will no longer be supported and *will not* display multilingual functionality in your Microsoft 365 environment for SharePoint Server 2019 (or SharePoint for M365) by the end of July 2022.

If you're using modern communication sites, we recommend that you use the modern multilingual sites and pages feature.

## Variations

The Variations will remain supported but deprecated for the SharePoint Server 2019 release.

## PerformancePoint Services

PerformancePoint Services has a significant dependency on Microsoft Silverlight, which is a technology that will no longer be supported as of October 12, 2021. PerformancePoint Services will remain supported, but deprecated, for the SharePoint Server 2019 release. Customers are recommended to explore Microsoft Power BI as an alternative to PerformancePoint Services as we are making many new business intelligence investments in Power BI.

## SharePoint Designer

There will not be a new SharePoint Designer client shipped with this release. Microsoft will ensure that SharePoint Designer 2013 will work with SharePoint Server 2019 for the remainder of the client support lifecycle (2026). SharePoint Designer 2013 will not be supported beyond that timeframe.

## Site Mailbox

As we announced in the SharePoint Community Blog, site mailboxes are being deprecated in SharePoint. Site mailboxes will remain supported, but deprecated, in the SharePoint Server 2019 release. Customers are recommended to explore shared mailboxes as an alternative to site mailboxes.

## Site Manager

The main functionality of Site Manager is now available in modern file move. The Site Manager feature will be supported, but it is deprecated in SharePoint Server

2019. Only site collection administrators will have permission to access the Site Manager page and the UI entry points to this page will be removed.

## **6. Explain the updates done in Power BI Service ?**

- Building Multi-language Reports for Power BI in 2023
- Embed your Power BI organizational apps in Microsoft Teams Channels and Meetings
- backup and restore improvements for large datasets near the size limit
- Connected Excel Tables from Power BI (Public Preview)
- the Public Preview of Power BI Dataset Scale-Out