List and explain different Power BI products?

The different products offered by Microsoft are: Power BI Desktop, Power BI pro, Power BI premium, Power BI mobile, Power BI embedded and Power BI Reports Server. Power BI Desktop is the software's free program, intended for business in need of a low-cost report building tool.

What limitations of Excel, Microsoft solves by power BI?

Excel has limitations in the amount of data it can work with. In contrast, Power BI can handle much larger amount 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.

Excel is not designated to work with Big data and has a more adjusted amount of data that will depend on the version we have of the program.

~~It~~ It makes collaborative work difficult working together and simultaneously with other teammates is quite complicated in Excel. If the file you are working on is not in the cloud, the only

allow simultaneously work, which can be done with Power BI.

Power BI is much more complete then Excel in terms of connectivity. It can access and extract data from virtually any system or application and is designed to work in the cloud.

Collaborative work:

Power BI facilitates collaborative work in real time. Through Power BI Service, files can be published and several people can work on them at the time.

3) Explain Power Query?

With Power Query (known as get & Transform in Excel), you can import or connect to external data, and then shape that data, for example remove a column, change a data type, merge tables, append table, create a new column in ways that we meet our needs.

Processing large amount of data (where Excel is limited to one million rows) importing data from different sources (e.g. Excel, CSV, Sharepoint, SQL, and Salesforce).

Power Query is a data preparation and transformation ETL engine that lets you connect to various data sources. Power Query is available in Microsoft Excel, Power BI, Power BI dataflow, Azure data factory wrangling dataflows, SQL server Analysis Services and much more.

4) Explain power Map?

The shape map visuals is only available in power BI Desktop and not in power BI service or mobile. Since it is in preview, it must be enabled before we can use it.

A power map lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts. With power map you can plot geographic and temporal data on a 3D globe or custom map, show it over time, and create visual tours you can share with other people.

5) How power BI eliminated the need to host Sharepoint server on premises?

Sharepoint online comprises both web and cloud-based technologies. It eliminates high data storage costs, subscription charges, and other sharepoint on premises deployments. The primary benefits of migrating to the Sharepoint online platform are.

Sharepoint on-premise is commonly maintained by a company's IT team at its data center. The team must keep it up to date via patches and other relevant updates. The on-premise sharepoint runs on a client Access License model which gives users the legal right to access services within a server.

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A gateway must be installed and running in order for Power BI to connect to on-premises data sources and refresh the dataset.

Power Automate: builds time-saving workflows for individual tasks and large scale systems.

Power Apps: build and share low-code apps to modernize business processes.

6) Explain the updates done in Power BI Service (Power BI 2.0) as compare to older versions.

We are able to refresh on-prem datasets. We can modify the look and feel of the reports. We can share resources and much more now. For instance go to Power BI website and the first thing you can see is the Power BI logo is changed from Power BI Preview to Power BI.

(i) Content Pack Library

My organisation: from here you can easily create you organisational content packs. A content pack is basically a single repository to keep

datasets, reports, dashboards, OLD integration with other data sources, data refresh and more.

Services: We can use lots of online services built to connect of different platforms like microsoft Dynamics CRM, Microsoft Dynamics marketing, visual studio online, and much more.

Databases: We can connect to Azure SQL database, Azure SQL Data warehouse, SQL server Analysis Services tabular model or Azure HD insight (Spark) and browse your live data.

Power BI for Office 365

This is another cool feature which is newly added. Now you can easily switch to your power BI for office 365 account. There is also link for power BI which is newly added to Power BI 365.

Power BI Desktop is updated and released on a monthly basis, incorporating customer feedback and new features.

November's updates felt like a family reunion, and we were thoughtful thankful and greatful for the leaping-tall services of updates, features and new capabilities.

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