



POWER BI 2020 WAVE 2 DEEP DIVE

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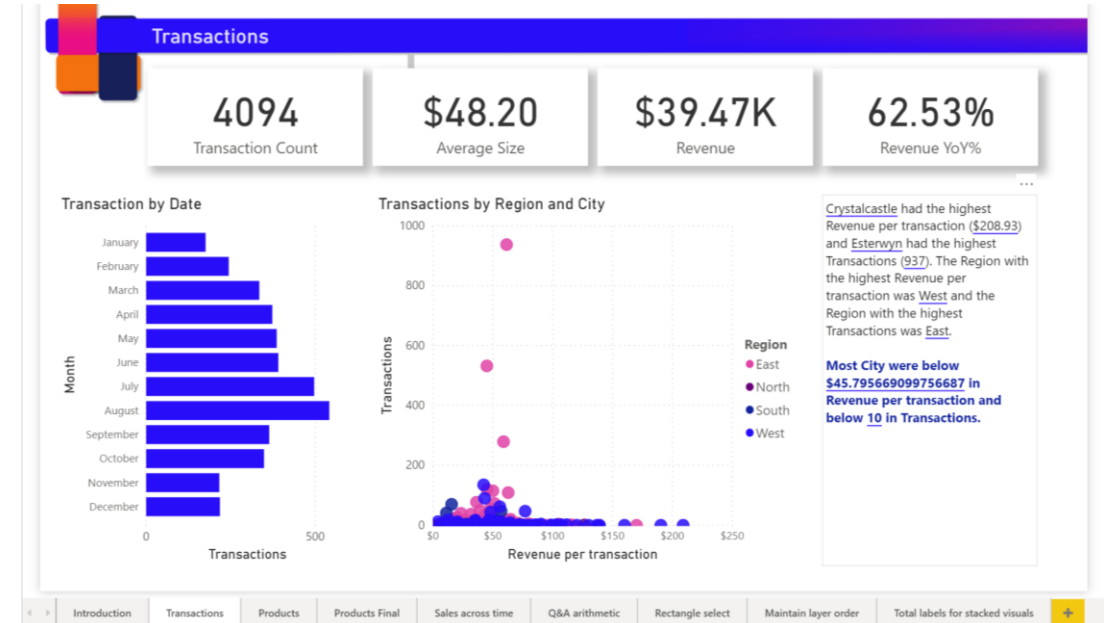
#D365Wave2Saturday

Agenda

- What is Power BI?
- Focal Points for Wave 2 2020
- What's new and planned
 - *Power BI Desktop*
 - *Power BI Service*
 - *And the rest...*
 - *Power BI Embedded*
 - *Power BI Mobile*
 - *Power Platform Gateway (AKA On-Premise Gateway)*
 - *Common Data Services*
- Demo
- Key Takeaways

Power BI Overview

- Cloud-first, next generation business intelligence tool.
- Allows both end-users and developers to build engaging reports and dashboards, that munges data together from a variety of different sources.
- Integrates neatly across Microsoft 365 and the Power Platform.
- Available in free or paid editions, cloud and on-premise.



What is the focus for Wave 2 2020?

Amazing Data Experiences

- Simplifying the report authoring experience
- Widely accessible – online, desktop, mobile
- **Key Outcome:** Growing a data culture within an organisation

Modern Enterprise BI

- Provide a global scalable BI solution
- Simplify compliance and governance needs
- **Key Outcome:** One BI platform to rule them all

Insights to drive Decision Making

- Driving trust and collaboration with all BI solutions
- Wider data stack support
- **Key Outcome:** Better data insights and authority of information across an organisation

Investment Areas

- Now and over the course of the next four months, Microsoft will be releasing capability into the following areas:
 - *Power BI Desktop*
 - *Power BI Embedded*
 - *Power BI Mobile*
 - *Power BI Service*
- Most functionality will be available in public preview first; expect this be made available within the next fortnight.
- Some capability already released into the Power BI Service.

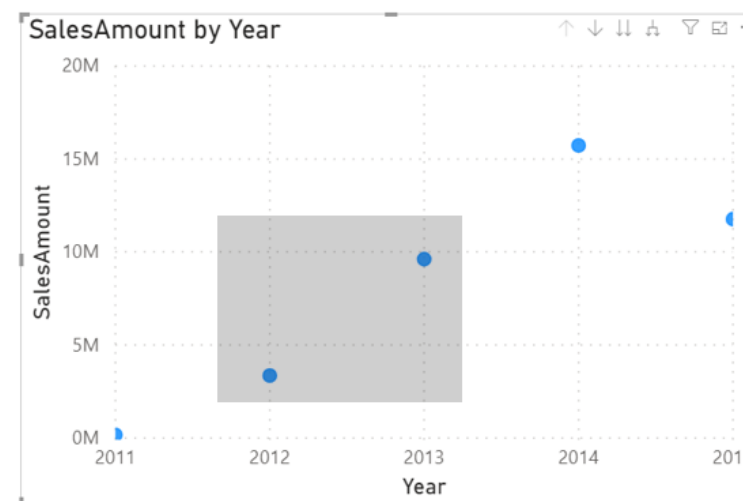
POWER BI DESKTOP

Lasso select for datapoints

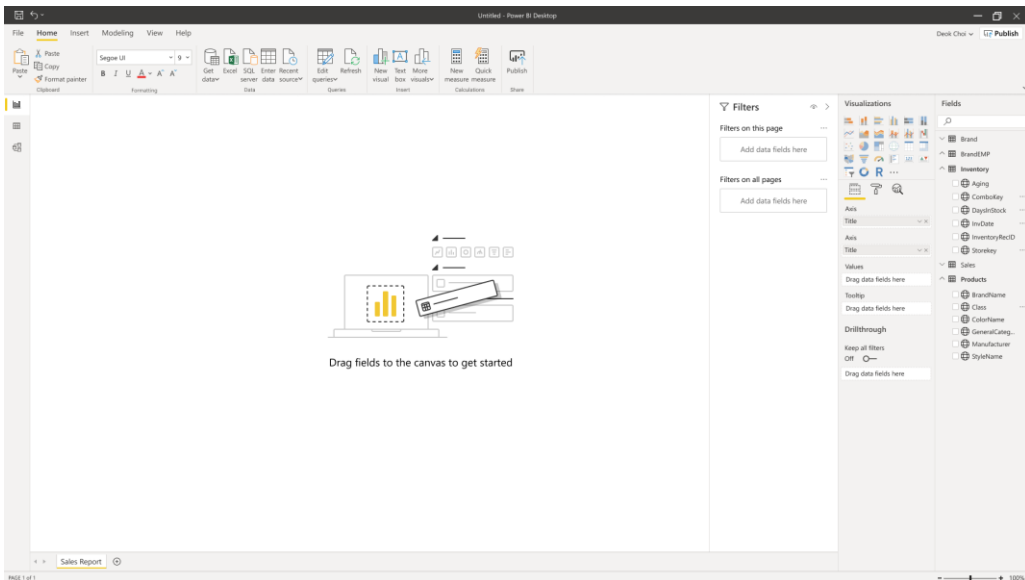
2020

Summary: Using a “lasso”, users can select multiple datapoints in a single action, to help with highlighting useful data points or for cross-filtering.

Status: Public Preview, October 2020



On-canvas watermarks



Summary: To help users get started more effectively, various new watermarks will be added to explain core Power BI functionality.

Available In: Online/Desktop

Status: Available Now in Online;
Desktop soon

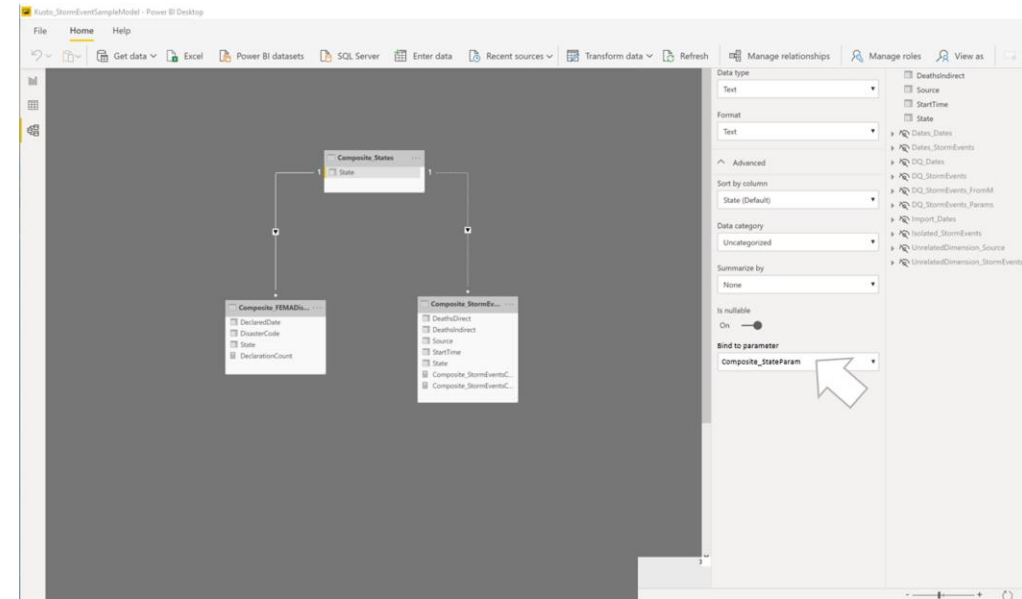
User editing of DirectQuery query parameters

2020

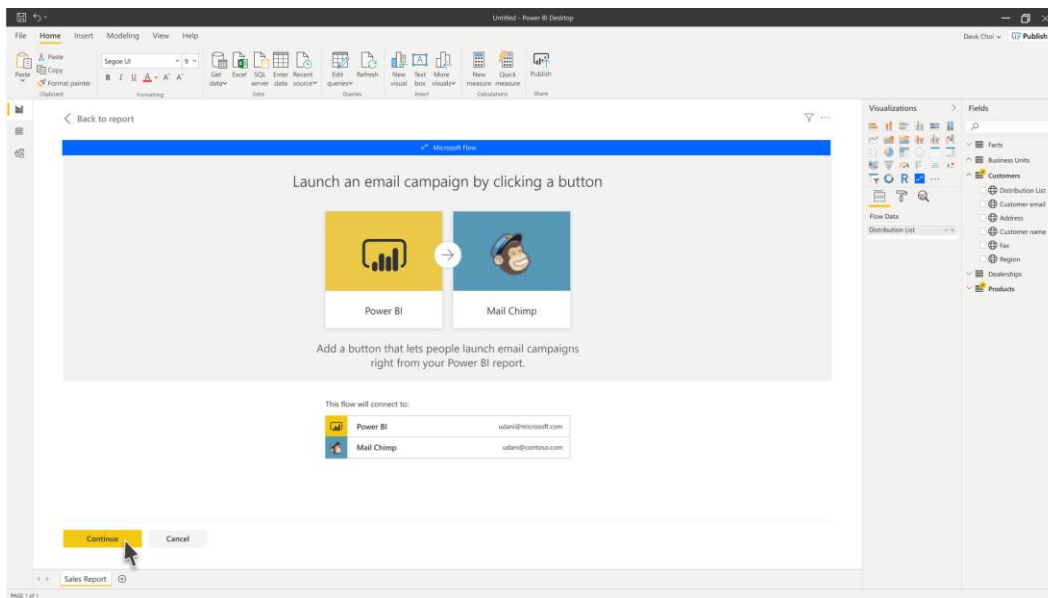
Summary: Allows for parameter values within queries to be modified by users as they apply filter/slicer selections to a report.

Available In: Online/Desktop

Status: Public Preview, October 2020



Power Automate visual



Summary: Similar to the current Power Apps visual, report developers will be able to add and execute flows from within a Power BI Report

Available In: Online/Desktop

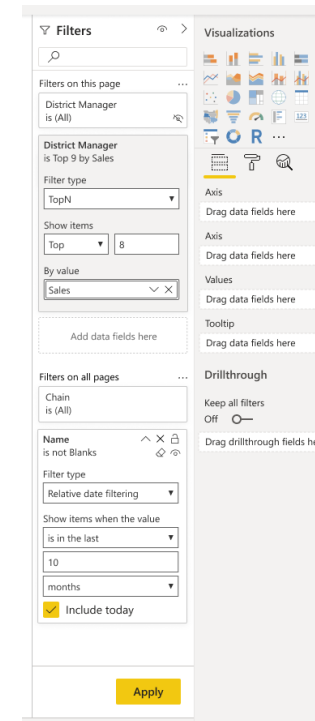
Status: Public Preview in December 2020

Apply all button for report filters

Summary: Report developers can now allow users to apply multiple filters at once within the filter pane

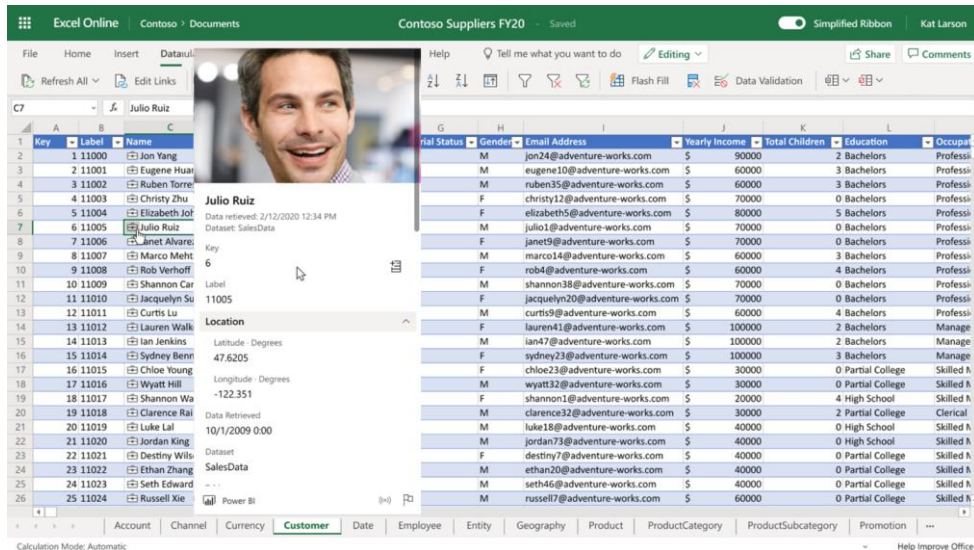
Available In: Online/Desktop

Status: Public Preview, October 2020



POWER BI SERVICE

Power BI data as an Excel data type



The screenshot shows the Excel Online interface with a table of customer data. A dropdown menu is open for the 'Name' column, showing 'Julio Ruiz' as the selected option. The table has columns: Key, Label, Name, Location, Latitude, Longitude, and Data Retrieved. The data is filtered by 'Customer' in the ribbon.

Key	Label	Name	Location	Latitude	Longitude	Data Retrieved
1	11000	Jon Yang				
2	11001	Eugene Huang				
3	11002	Ruben Torres				
4	11003	Christy Zhu				
5	11004	Elizabeth Johnson				
6	11005	Julio Ruiz				
7	11006	Janet Alvarez				
8	11007	Marco Meht				
9	11008	Rob Verhoff				
10	11009	Shannon Carter				
11	11010	Jacquelyn Sullivan				
12	11011	Curtis Lu				
13	11012	Lauren Walker				
14	11013	Ian Jenkins				
15	11014	Sydney Bennett				
16	11015	Chloe Young				
17	11016	Wyatt Hill				
18	11017	Shannon Walker				
19	11018	Clarence Ralston				
20	11019	Luke Lal				
21	11020	Jordan King				
22	11021	Destiny Wills				
23	11022	Ethan Zhang				
24	11023	Seth Edwards				
25	11024	Russell Xie				

Summary: Data models within Power BI can be marked as an Excel data type, which can then be linked to a specific row cell, allowing for complex data types to be surfaced in Excel. Requires Microsoft 365 E5 plan.

Available In: Online

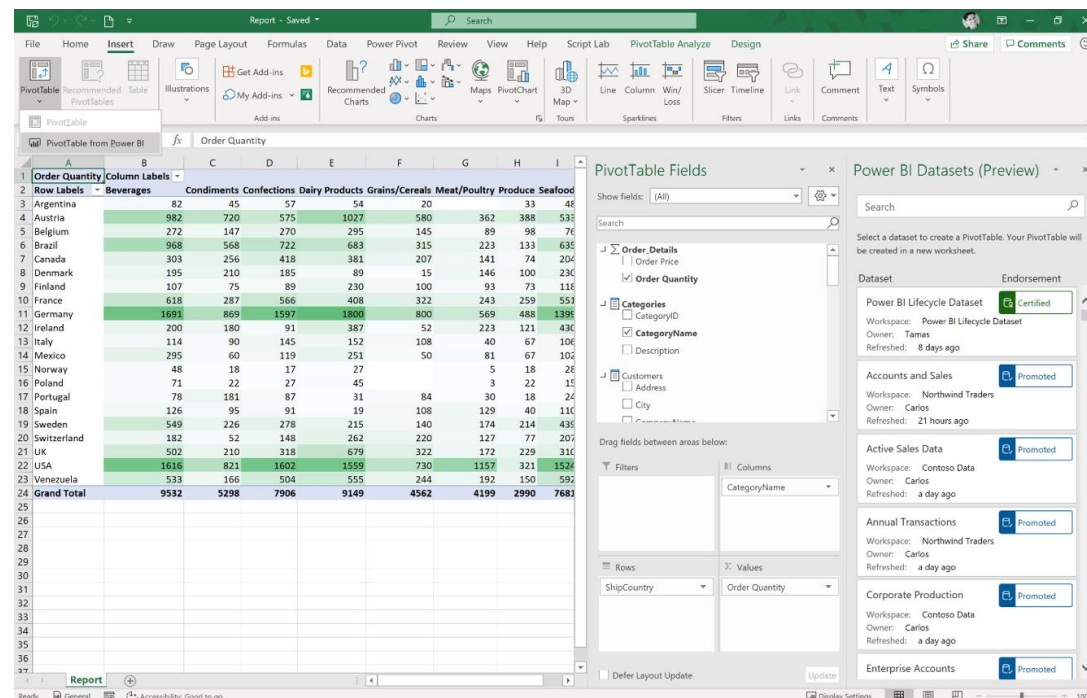
Status: Public Preview, October 2020

Power BI Datasets in Excel

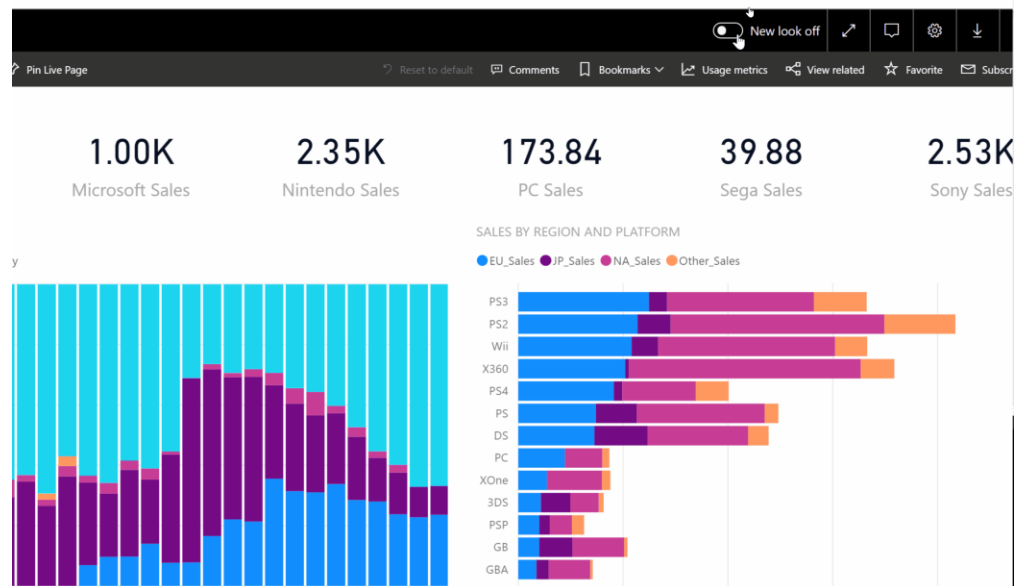
Summary: Microsoft 365 Users will be able to link up Excel Desktop to Power BI Online certified/promoted datasets.

Available In: Online

Status: Public Preview now; generally available October 2020.



New Look General Availability



Summary: Previously an opt-in, Microsoft will gradually transition users across to the new look experience. Users will be provided with one-month notice of this change, with the new experience providing enhanced navigation options and better alignment alongside the Fluent design framework.

Available In: Online

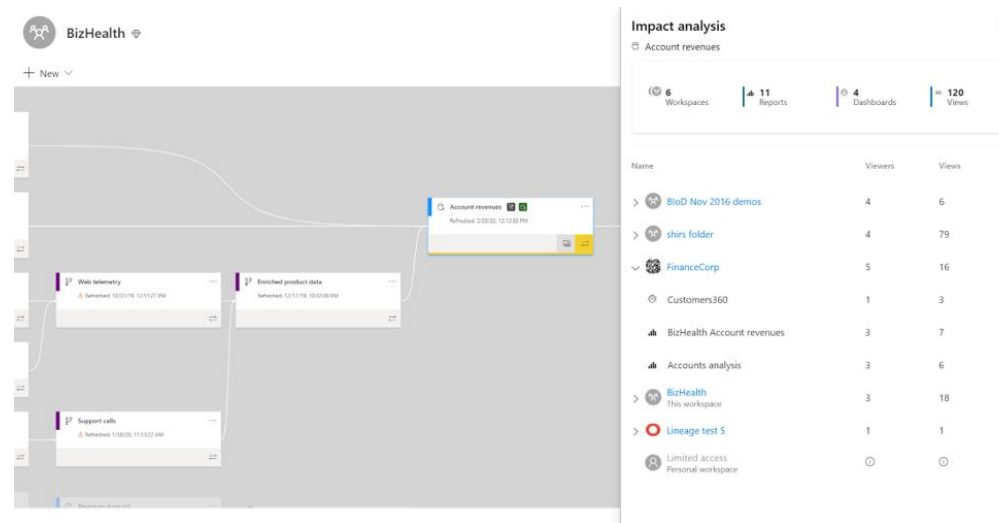
Status: Generally available October 2020

Data lineage and impact analysis enhancements

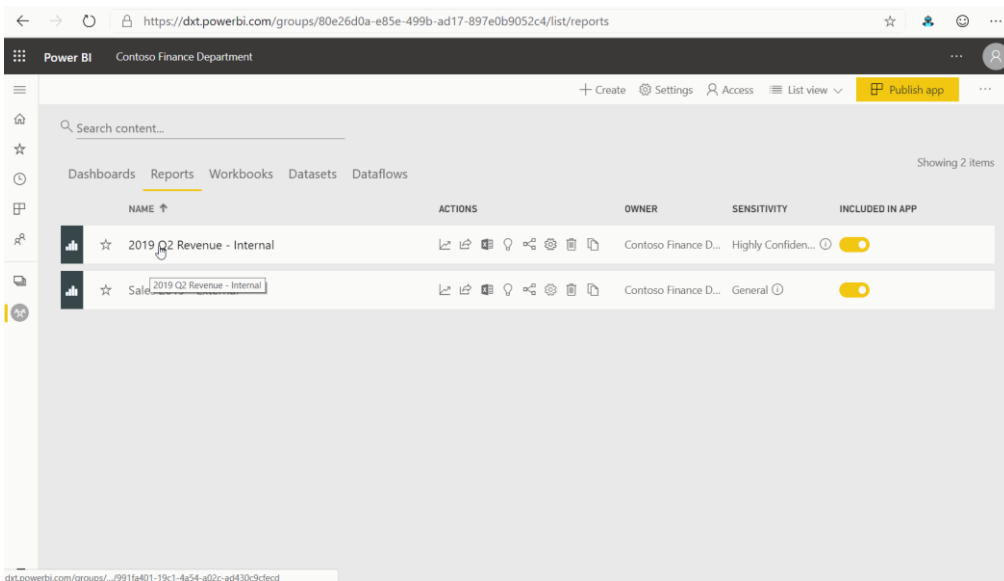
Summary: Expanding upon existing lineage capability, report developers can now assess the impact of changes on their reports/dataset and take preventative measures before making changes.

Available In: Online/Desktop

Status: Available Now in Online;
Desktop soon



Data protection enhancements



Summary: Microsoft will provide several data protection capabilities, leveraging existing information protection solutions. Reports in Desktop, Online and Power BI Embedded will support persistent sensitivity labels, applied when data is exported to Excel to notify the user accordingly.

Available In: Online

Status: Public Preview, December 2020

Power BI Premium per user

Summary: Addressing a major community ask, Power BI Premium capability will soon be made available on a per user basis. This will unlock advanced capabilities at a reduced price point, such as paginated reports, increased model size, deployment pipelines and more.

Available In: Online

Status: Free public preview in November; sign up for news here: <https://bit.ly/3k4BA6g>

AND THE REST...

New Power BI Embedded developers playground

Summary: Using the playground, developers of Power BI Embedded solutions will gain an interactive coding experience, rapid prototyping capabilities, a streamlined route towards adopting Power BI Embedded and an easier experience when working with the various Power BI APIs.

Status: Public Preview, January 2021

Split view support for iPad

Summary: When consuming Power BI reports from the app, reports will be viewable side-by-side, allowing users to better compare data across multiple reports.

Status: Public Preview, December 2020; General Availability, March 2021

Power Platform Gateway Enhancements

Summary: Various improvements will be released for the above, including:

- The ability to manage data sources within the admin center.
- Enhanced diagnostics, to help troubleshoot gateway issues and identify usage patterns
- OAuth / Azure Active Directory Authentication Support

Status: General Availability, March 2021

DirectQuery Support For Common Data Service

Summary: Via the new Tabular Data Stream (i.e. SQL endpoint), report developers will be able to use DirectQuery when connecting to the Common Data Service. This will allow for real-time reports to be built and ensure that the underlying security model is enforced for report users.

Status: Public preview currently withdrawn; general availability, December 2020.

DEMO

WRAPPING UP

Key Takeaways

- DirectQuery capability for the Common Data Service, once introduced, reinforces the case for Power BI becoming your de-facto reporting tool.
- Premium Per User capacity with paginated reports provide a streamlined mechanism to migrate your existing CRM Reports across to Power BI.
- Importance of the on-premise gateway within the Power Platform is unquestionable.
- With the introduction of the Power Automate visual, all aspects of the Power Platform can be unified together as part of your Power BI solution.

Useful Links

- Wave 2 2020 Release Notes:
 - <https://docs.microsoft.com/en-us/power-platform-release-plan/2020wave2/power-bi/>
- Power BI Blog:
 - <https://powerbi.microsoft.com/en-us/blog/>
- Official Twitter Account:
 - <https://twitter.com/MSPowerBI>
- Guy In A Cube
 - <https://twitter.com/GuyInACube>
 - <https://guyinacube.com/>
 - <https://www.youtube.com/channel/UCFp1vaKzpfvoGai0vE5VJ0w>
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