



08:58:03 PST

**Question:** Good Day Everyone! is there a voucher code for today?

**Answer:** Voucher code is PowerBI

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08:59:29 PST

**Question:** Hi am Anil from Nepal, it's great to be part of PowerBI jumpstart .Also, when will slides be available.?

**Answer:** Hi Anil -- Welcome!!! They are in the process of uploading the slides so they should be available from the FAQ shortly.

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09:01:12 PST

**Question:** How many attendees are joined now?

**Answer:** 193 users are online at the moment, Mattias

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09:05:31 PST

**Question:** Should we be able to hear audio at this moment ?

**Answer:** Hi Dave, you should be able to hear audio. The live event has not started yet.

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09:05:31 PST

**Question:** Good morning everyone! Would you consider there to be pre-requisite to attending this MVA session?

**Answer:** Hi jnaj - knowing how to use Excel and having a basic understanding of business data will be helpful, but it's not a real prerequisite. Enjoy the day!

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09:06:08 PST

**Question:** Hello.. I am new here.. am i not supposed to see a video window or something.. cheers..

**Answer:** Hi Muktadir, Welcome!! The event is just going live now. Enjoy!!

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09:08:31 PST

**Question:** Can't see or hear anything. Probably due to slow internet speed..

**Answer:** please try to refresh your browser

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09:12:50 PST

**Question:** Please let us know if the training started.

**Answer:** we are streaming...

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09:15:22 PST

**Question:** Is there a Power clean-up or data validation product to review raw data and correct data entry or data gathering errors?

**Answer:** Not at the moment, but it's definitely something we have been looking into.

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09:15:58 PST

**Question:** I cant hear or see anything and I have a good internet.

**Answer:** please try to refresh your browser

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09:16:35 PST

**Question:** No luck here.. Blind and deaf..

**Answer:** try refresh browser pls

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09:17:10 PST

**Question:** I can see I just cant hear anything

**Answer:** try to refresh the browser pls

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09:17:35 PST

**Question:** DQS

**Answer:** Hi PJA - Yes, DQS is part of SQL Server 2012 and SQL Server 2014, and can be used in conjunction with Power BI.

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09:19:02 PST

**Question:** (Data Quality Services)

**Answer:** that's a separate function provided by SQL server. Power Query can do some data deduce and cleansing though

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09:20:05 PST

**Question:** Is Power BI available in a MSDN Ultimate subscription for development and evaluation purposes?

**Answer:** Hi Bill - you can get a free trial at <http://www.powerbi.com> - no MSDN required.

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09:20:23 PST

**Question:** Is Q&A feature only available on PowerBI for O365? (not on Excel onsite)?

**Answer:** yes

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09:21:35 PST

**Question:** So this is all only available via cloud-based Office 365? It cannot be deployed internally on a private enterprise Sharepoint platform?

**Answer:** Hi Maged - That is correct. The cloud portions of Power BI are available only with SharePoint online, not with SharePoint on-prem.

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09:21:57 PST

**Question:** Is PowerBI apart of Sharepoint online

**Answer:** the Power BI offering exists as an add-on offering to existing SharePoint Online users

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09:22:33 PST

**Question:** is this data refresh w/ on-prem capability only available with BI sites or can you also do this in SharePoint Online?

**Answer:** Data Refresh only comes in Power BI

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09:22:58 PST

**Question:** Couldn't sign up with my own country Nepal while signing up for Office 365 ?

<http://community.office365.com/en-us/forums/148/t/202470.aspx>

**Answer:** Some countries are not part of the initial roll out

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09:23:19 PST

**Question:** is this data refresh w/ on-prem capability only available with BI sites or can you also do this in SharePoint Online?

**Answer:** Hi Jeff - Power BI sites are part of SharePoint Online - they're implemented as a SharePoint app. You get all the functionality of a SPO document library, plus the new Power BI capabilities as well.

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09:23:22 PST

**Question:** Will that data management piece be able to connect to a DB2 backend? Or does it need to be a SQL Server db?

**Answer:** sql server and oracle for now

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09:25:17 PST

**Question:** With a Office 365 subscription do you have to license all Office 365 users? Can users in a given subscription that do not have a Power Bi license still view the Power BI web parts and reports?

**Answer:** yes. Any one can view the reports without power bi license

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09:26:11 PST

**Question:** Hi, will the data gateway refresh a query made to on premise analysis services cubes?

**Answer:** The Data Management Gateway supports SQL and Oracle sources at the moment, but we'll be adding support for more data sources (such as AS Cubes) in the future

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09:26:37 PST

**Question:** Any plan to offer this as an add-on for on-prem Sharepoint? We have a major investment in our SP farm with tens of thousands of users and have no current plans to use cloud-based services.



**Answer:** Hi Maged - we're keeping in mind an on-prem version of the cloud-based capabilities in Power BI, but we don't yet have details or dates to share about this. For the time being, this is SharePoint Online only.

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09:26:55 PST

**Question:** Does PowerBI allow me to combine on-premise data sources with cloud (Data Catalog) data sources for analysis?

**Answer:** yes. You can publish on-prem data via Data Management Gateway.

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09:28:00 PST

**Question:** Michael just mentioned reports can be viewed in HTML 5. Does that mean Power View HTML 5 is complete? All viz working? Thanks.

**Answer:** most visualizations in Power BI are complete for HTML5 view

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09:29:10 PST

**Question:** Hello, Are downloads provided of this seminar? Also, do I have to purchase powerbi with enterprise sql server2012?

**Answer:** you don't have to purchase SQL EE.

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09:31:37 PST

**Question:** i hear Michael talking, but do not see any video?

**Answer:** pls try to refresh your browser

---

09:32:19 PST

**Question:** I think Power BI released for office 365 today itself.

**Answer:** yes GA today

---

09:35:09 PST

**Question:** Anil: How or will Power BI along with office 365 going to handle the emerging Big Data challenges ,Microsoft had introduce the HDinsight so far i think.

**Answer:** Power BI can pull in data from any datasource, including HDInsight

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09:35:48 PST

**Question:** What happen if you merge big data sources of information, result is stored on the Excel? what about performance?

**Answer:** loading the data into Power Pivot allows you to run billions of rows inside a workbook

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09:36:37 PST

**Question:** Video won't work

**Answer:** pls try to refresh your browser

---

09:37:37 PST

**Question:** Do we have ways to mine the Team Foundation Server (TFS) cube and data repository already (in Excel and PowerBI)? This could be useful to learn about an organization's software development efficiencies.

**Answer:** Hi Ernie - Yes, you can connect to any SQL data source, including the TFS repository. On the Power BI team we do a lot of what you're describing here, for the same reason.

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09:37:44 PST

**Question:** when will this session starts?

**Answer:** on going now, pls refresh your browser

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09:38:11 PST

**Question:** Michael's merge demos work smoothly because there is a common key for the join. What do I do when there is nothing in common?

**Answer:** what would be your criteria? you can map on multiple columns, and also pull in the non-matching records, use filldown, we have a more detailed session coming up net

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09:38:36 PST

**Question:** Do you think is the Best approach or is better build the integration process on a new SQL Server instances and then query again this new source?

**Answer:** Hi Jorge - the "best" answer will always depend on the context of your data and what you're trying to accomplish.

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09:39:19 PST

**Question:** I think Excel has some limitation in no of rows, how it's going to handle huge amount of billions data . our major concern is performance .

**Answer:** Power Pivot in Excel can have hundreds and hundreds of million rows

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09:39:26 PST

**Question:** Can you merge data on more than one key

**Answer:** Hi Charlene - great question! Power Query's Merge feature works on a single key join, but you can easily add a composite column to your queries and then join on that.

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09:39:28 PST

**Question:** While PowerBI App is available today in O365, but looks like E3 does not include PowerBI license. Is PowerBI license separate and on top of E3 license?

**Answer:** yes, it's additional. A good discount program for E3 now though

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09:40:24 PST

**Question:** Hi, Streaming stopped and it says "Closed".

**Answer:** pls try to refresh the browser

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09:40:54 PST

**Question:** how many rows in data now-- and workbook size?

**Answer:** Hi Tim - the volume of data that you can work with is limited by the amount of RAM available to Excel. The Power Pivot data model uses efficient data compression. so the memory used and workbook size tend to be much smaller than the size of the source data.

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09:41:47 PST

**Question:** hi - how much does power bi cost?

**Answer:** Check out <http://www.powerbi.com> for the details

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09:45:12 PST

**Question:** There is Available a Virtual Machine with all the environment Setup? Thanks

**Answer:** No. But client side is just Excel and add-ons; server side you can request for trail on power bi.com

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09:45:41 PST

**Question:** Right Matthew, I was thinking in my current scenario source are Dynamics CRM (millions of record) cross with third data repositories). What overhead in terms of degree the performances if Power query make the merging accessing directly, base in your experience.

**Answer:** Hi Jorge - the key variables to consider (for any BI / ETL scenario, not just Power BI and Power Query) include the data location, the patterns of data usage, and the resources available to work on the data. Depending on who will be doing what with the data, it may make more sense to choose a more traditional data warehouse approach, or it may make sense to enable users to do their own ad-hoc mash-ups with Power Query.

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09:46:28 PST

**Question:** Is this using the natural language feature?

**Answer:** yes, that's what's called Power Q&A feature on o365/PowerBI site

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09:48:29 PST

**Question:** Thanks...i was just wondering if there are keywords he's using or if it doesn't matter (ie. "Vs" brings up same results as "Compared to")

**Answer:** When you're preparing a workbook for use with Q&A you can add any synonyms you want, to make the language more flexible and natural

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09:49:06 PST

**Question:** where is the link to Power Bi costings please - I have Microsoft Office 365 - does this mean I already have the service? Thanks

**Answer:** Check out <http://www.powerbi.com> for the details

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09:50:54 PST

**Question:** Will powerbi work with sql server 2008 and 2012?

**Answer:** yes, you can import SQL server data via Power Query directly and/or you can publish SQL 2008/2012 as data source via Data Management Gateway so that users can search them in Power Query

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09:52:18 PST

**Question:** How does Microsoft using PowerBi ensure the integrity of data in the pool (external data)?

**Answer:** Hi Carl - great question! The short answer is that we do not. We federate the data in the public Data Catalog, but we do not validate the values. This is the responsibility of the data source and its owners. The Data Catalog (and the Power BI search experience) makes the data more easily discoverable and consumable, but Microsoft doesn't attempt to "clean" public data.

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09:53:29 PST

**Question:** When you share a power query your are sharing the query only or the query and the dates?

**Answer:** Hi Jorge - when you share a query you share the query and a bunch of metadata, but not the data itself. In my session (module 3) I'll cover this in more detail.

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09:53:51 PST

**Question:** can we use the Excel 2013 along with a combo power view, power map, Q&A ,power BI and office 365 as a reporting and data analytic tool for enterprise level.

**Answer:** being 'enterprise level' reports is really an management issue than technical issue. Technically, yes, enterprise wide publish and collaboration is supported. You just need some role do the validation and publish the reports to enterprise audiences.

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09:54:13 PST

**Question:** how can i find power BI and use it . is it ship with SQL 2012 , or its stands alone?

**Answer:** <http://www.powerbi.com>

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09:54:43 PST

**Question:** Is there a deal for current 365 customers?

**Answer:** yes. Pls check out <http://www.powerbi.com>

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09:55:13 PST

**Question:** Is there a Windows Phone Power BI app?

**Answer:** no

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09:55:32 PST

**Question:** are the connection string details user/pass exposed in the connection?

**Answer:** no

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09:57:01 PST

**Question:** Another question when you publish the reports on the SharePoint then you publish only the metadata but not the data, right?

**Answer:** yes. You can choose to publish several lines of data for preview if you like. There's an check box for that. Unchecked by default.

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09:59:16 PST

**Question:** In most companies that I've done projects for Excel is mostly used by the Accounting folks, to do basic accounting stuff, many are only expert in basic excel ... not powerpivot etc, why not have examples that show this might be quickly and easily beneficial to these folks instead of showing some some elaborate geographical demo for highly skilled workers



**Answer:** Hi UlyBro - Thanks for the feedback! There's an end-to-end scenario at <http://www.powerbi.com> in the getting started guide, that shows off some of the simple stuff as well as some more advanced stuff. For Michael's demo I think he wanted to show as much as possible, not to target any specific group of users.

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10:00:09 PST

**Question:** The link for slides Modules 8 and 9 is bad

**Answer:** Thanks Mark -- I'll get it fixed!

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10:01:19 PST

**Question:** Will Power Query eventually have SSAS(Tabular or Mutidimensional) as a DataSource

**Answer:** Hi Mark - Yes, this is on our to-do list, but we don't yet have dates to share.

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10:07:30 PST

**Question:** Follow up to Carl's question: If someone decides to subtly subvert data in Wikipedia [changing values by 2% per month, say] then there is the danger of that not being detected by anyone, and bad decisions being made?

**Answer:** Hi Mark - malicious data entry is certainly a potential risk with any data source.

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10:08:07 PST

**Question:** Power Query rocks! Love the functional programming.!

**Answer:** Thanks Don!!

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10:09:10 PST

**Question:** Quite a bit of training seems to be required. We may have a lot of queries out that but it's not clear to me how easy and intuitive it would be for people to discover those types of things. How exposed are these queries so my folks will know to use existing functionality.

**Answer:** Hi UlyBro - stay tuned during the day to see more of the experience. Adopting any new technology requires some degree of user training, but the Excel-based nature of Power BI makes it more natural for many users.

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10:10:13 PST

**Question:** Could use ODBC data source for Power Query for access to iSeries (DB2) without DB2 Connect license.

**Answer:** Hi Don - we do support DB2 as a data source in Power Query, but you should check with IBM if you have questions about their licensing.

---

10:13:05 PST

**Question:** PowerBI . Q&A features seems really great and want to know how exactly it works.?

**Answer:** Hi Anil - we've implemented new functionality in Power BI that uses the data and metadata from an Excel data model to deliver its natural language capabilities.

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10:17:06 PST

**Question:** Do you have anything that shows the Power sub-products that come with Excel or are free downloads vs the ones you have to obtain and pay for separately? For example is there any extra cost for Power Query if you already have a Office 2013 license?

**Answer:** Hi Bill - If you start at <http://www.powerbi.com> you will find download links for all of the Excel add-ins. As a general rule, the add-ins are free, and the cloud-based capabilities require the Office 365 Power BI subscription.

---

10:18:17 PST

**Question:** Using power query in our enterprise will not return data. I think a proxy needs to be set somewhere but cannot find where to set it?

**Answer:** Hi Stephen - You may want to post the details of your scenario to the Power Query support forum on TechNet. This is the best place to get answers to this type of question.

---

10:21:51 PST

**Question:** When you perform a dataset search, where is it looking? Are search locations configurable? There was a blue icon next to results what are these?

**Answer:** Hi EzugoC - the search is going against the index in the cloud Data Catalog. It is configurable in that you can specify whether your search should include public or corporate data, or both. There will be more information in my session, which will be up next.

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10:24:44 PST

**Question:** Where did Matt get that data from?

**Answer:** Hi MrU - I'm pretty sure Matt will be sharing his demo files after his session, and he'll be taking over Q&A for my session, so you may want to ask again then. 😊

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10:25:12 PST

**Question:** How about working with multi dimensional data?

**Answer:** Hi Vishal - we're actively working on multidimensional support, so please stay tuned!

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10:26:41 PST

**Question:** On a Windows 64 bit operating system the default installation of Office 365 is still 32 bit. Should users planning on using the Power family of add-ins uninstall the 32 bit version of office and reinstall the 64 bit version?

**Answer:** Hi Bill - Using the 64-bit edition of Excel will definitely enable users to work with larger data volumes. (Please also accept my apology for not answering your licensing questions - this is out of my area of expertise, so I'm choosing to remain silent than risk leading you astray.)

---

10:28:07 PST

**Question:** Since the Power products include transforming data and creating reports, getting more and more features: how do they relate to SSIS and SSRS?

**Answer:** Hi Murr4y - I'm hoping to touch on this in the next session - please stay tuned, and hopefully I'll remember to talk to this point. 😊

---

10:28:56 PST

**Question:** How power query loads the data ? Is it kind of lazy loading all full data at one shot ?

**Answer:** Hi AMbuj - The query design surface (where you build the query) works with a sample of the data, but when you load the data into the worksheet or the data model, it loads it all in one shot.

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10:30:22 PST

**Question:** the model is still a BISM model, correct?

**Answer:** Hi PJA - that is correct. This is the same Power Pivot / Tabular / BISM model in Excel.

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10:31:25 PST

**Question:** No question; however, one praise, Matt you are doing a fantastic job showing everyday value through the robustness of the software; the simplicity of your product presentation is very well prepared. I commend you on showing relevant value; processes that I can use now.

**Answer:** That's awesome feedback, J-Dog. I'll pass this on to Matt after the camera stops. Thanks so much!

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10:33:05 PST

**Question:** To murr4y's question I'd like to add: SSRS currently has been dropped from azure - can't get it unless you install sql in a vm - no azure reporting services, no SSRS in sql azure, no SSRS in sharepoint online integrated mode. Is this changing soon ? Not everything can be done through queries, reports are still important, and currently there's no azure solution (apart from a VM).

**Answer:** Hi wsantosf - We currently don't have any additional information to share about SSRS futures, but we definitely understand that self-service BI is only part of the big picture.

---

10:34:00 PST

**Question:** I use importing all CSV files from a folder. Use adds a new billing file each week, and refreshes.

**Answer:** Hi Don - this is a perfect scenario for Power Query if you need the data in Excel. I do the same thing with a variety of my personal file-based data sets.

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10:35:07 PST

**Question:** Hi Matthew, thanks for the reply, as you told it loads all it once, and this is the point where I got the issue while loading the BigData using it, is there any way to load it parallel kind of lazy load, any configuration which can help?





**Answer:** Hi Ambuj - For a specific scenario like this you may want to visit the Power Query support forum on TechNet.

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10:37:28 PST

**Question:** My dataset is starts at around 1.5 TB. How much do I need to cut it back to load it into Excel? In other words, can I open a 5 GB CSV file? 10 GB? Or is the practical limit measured in MB?

**Answer:** Hi Steven - The limiting factor is the amount of RAM available to Excel. The data model will compress the data significantly, but the model is still loaded into memory. I regularly work with models that contain multiple GB of compressed data (often from many 10s of GB of raw source data) in 64-bit Excel.

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10:38:08 PST

**Question:** a proper dimensional model with cleansed data is still key to an enterprise DW ... and self-servic BI is another component to be able to see if there is any new data to "enterprise" into that model (at least that is how we see it)

**Answer:** Hi PJA - I definitely agree, and hope to touch on this point in my session today.

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10:41:26 PST

**Question:** Is there any concept of source control, previous versions, compare versions for the underlying setting and configuration for a given Power Query incase you suddenly notice the results are not what they were the last time you ran the query?

**Answer:** Hi Bill - these are scenarios we're looking at closely, but they're not in the initial release of Power BI. As Matt mentioned, one great advantage of building for the cloud is the ability to be very responsive when updating and adding capabilities.

---

10:41:51 PST

**Question:** How should I handle different date formats from different sources?

**Answer:** transform them using the change type and bring them in the same structure

---

10:41:57 PST

**Question:** can you adjust the date filters to be based on a company's fiscal calendar or is it limited to the standard calendar?

**Answer:** Hi Jason - you can work with any calendar you want - so far as Power Query is concerned, it's just data.

---

10:46:29 PST

**Question:** Nice, I'm updating my Dates table for Power Pivot using plain Excel, but I could use Power Query instead.

**Answer:** I definitely agree - the first time I saw this technique, my jaw dropped. 😊

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10:50:57 PST

**Question:** Great HTML and detected tables

**Answer:** Thanks Jorge! I've had a few use cases where the data I needed was on horribly formatted HTML pages, and even when the table detection doesn't work perfectly, you can still get it.

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10:51:50 PST

**Question:** What if the data is not in a table but in a series of <DIV> tags?

**Answer:** Hi John - this works too, but the experience isn't as polished.

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10:53:35 PST

**Question:** how about copyright when downloading data?

**Answer:** Hi Maurice - can you clarify the question? Just as with "copy and paste" data acquisition, Power Query treats data as data, and we don't have any copyright-specific capabilities in this context. Is there something in particular you're looking for?

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10:54:44 PST

**Question:** While all this automation is wonderful, you are still sensitive to changes that the data provider might make in the HTML source

**Answer:** That is absolutely correct - changes to the source data format can break a query.

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10:55:02 PST

**Question:** I am loving what I see. You guys are going to make my life a lot easier

**Answer:** Thanks Maurice - we love to hear that!

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10:57:46 PST

**Question:** Search in the demo was done within Organization scope- does this mean that somebody already vetted/prepared this data sources and they are published somewhere on sharepoint?

**Answer:** Hi Mikhail - yes, sort of - the query has been previously published to the Data Catalog. Stay tuned for my session, up next.

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10:58:25 PST

**Question:** I must go home... when Will be available this great course to complete it?

**Answer:** Hi Jorge - thanks for joining us! The event recording will be online later this week.

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10:58:45 PST

**Question:** I must go home... when Will be available this great course to complete it?

**Answer:** in It will be postet in 2 weeks on the MVA site

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11:05:04 PST

**Question:** tx all. as always matt is grreat

**Answer:** Thanks! 😊

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11:08:03 PST

**Question:** Thanks for the great demos! When users obtain data via Power Query from an existing query created by an analyst, can user's id be passed back to the query? So, for example, user id could be applied to a where filter so that the user only sees a subset of rows to which they have privileges to see. Is this possible?

**Answer:** Hi Jean - credentials aren't stored when you share a query. When someone consumes a query, they will need to provide their own credentials to access the data source. So if your query was pulling from SQL Server, for example, it will pass along the user information as well.

---

11:08:34 PST

**Question:** Getting data from website is cool when you merge to your data

**Answer:** Yes, web data import is a very handy feature!

---

11:15:05 PST

**Question:** Question regarding to license, if I publish a excel report on SharePoint for my client what type of license I need to allow my client access to it?

**Answer:** The client would need a Power BI license which is based per user

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11:15:36 PST

**Question:** This is great!

**Answer:** Thank you Emre

---

11:17:47 PST

**Question:** This is my first training!! Its really great! Keep going on!!

**Answer:** Thank you HOzdemir61, come back for more live events on the MVA

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11:21:46 PST

**Question:** When can we expect MOC for PowerBI?

**Answer:** This is not planned at the moment

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11:24:59 PST

**Question:** For a MS Partner using Office 365 can I add the capabilities of Power Query through a simple Download Center update or does this require additional product licensing. How do I increase my standard Office 2010 to capture these BI capabilities? What is my next step?

---



**Answer:** For 2010 that would be a download, for 2013, that would be a pushed update on O365, you can download the Power Query add-in publicly now

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11:29:44 PST

**Question:** On my computer at home I have Office 365 home with all the Office 2013 products. It does not seem to include the Power add-ins under the com-add-in but my office computer does. Does the Office 365 home account prohibit using the Power tools or am I just missing a configuration setting?

**Answer:** Hi Bill - I believe you need the ProPlus version of office. You can find the requirements here: <http://office.microsoft.com/en-us/excel/download-microsoft-power-query-for-excel-FX104018616.aspx>

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11:34:34 PST

**Question:** Matt, the demo you showed with BMI, GDP and Time. Is that documented? Can you please share the data sources and how you did that. Thank you.

**Answer:** The datasets all came from <http://www.gapminder.org/>. The demo can also be seen in Faisal's TechEd presentation - <http://channel9.msdn.com/Events/TechEd/NorthAmerica/2013/DBI-B225#fbid=>

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11:36:10 PST

**Question:** can IT easily import these meta-data "queries" produced by the data steward and turn it into a traditional SQL view or would they ultimately need to "reverse engineer" it?

**Answer:** Currently IT would most likely need to "reverse engineer" it (or import the data from the Excel worksheet), but the IW to IT transition story is something we've been looking at enhancing.

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11:45:55 PST

**Question:** Is PowerBI only available for Office365? or is there an on-premise tool?

**Answer:** Sharing and collaboration, Private Data Catalog, Q&A are Office 365 - authoring, data discovery (Power Query) / Power Map are done in Excel

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11:53:07 PST

**Question:** I'm watching from the Netherlands, and it become late, Is it possible to see this video another time or day on this site?

**Answer:** The training will be available in 2 week on this site

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11:54:59 PST

**Question:** What is the functionality difference between the ability to use Power Query within office 365 vs. having a Power BI license... what am I missing? What will I not be able to do? I "WANT" to be able to do/demostrate a web search for online data sources, similar to what I saw Matt do earlier... is this possible?

**Answer:** everything I showed in my demo is doable with Power Query itself. With Power BI, you can do the Sharing and Organization data search that Matthew is showing. Without Power BI, you can only search the public data catalog (Wikipedia, data.gov, others)

---

11:55:48 PST

**Question:** I have developed the Office365 PowerQuery stuff locally but when I go to login and share .... like the demo .... I get an error about this being an enterprise feature ....

**Answer:** The Sharing capabilities that Matthew is covering requires a Power BI subscription.

---

11:56:45 PST

**Question:** So, when we share Query as data source, does it have to be/ get published to public cloud in the scope of office 365 or it can be published on on-prem sharepoint server for internal organizational usage later, on -prem in general?

**Answer:** When you share a query, it always goes to your internal organization's data catalog. The stuff in the public data catalog is published by Microsoft.

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11:58:11 PST

**Question:** Does this mean my co-worker will not be able see my PowerQueries that I have created ... I should be able to share them without having to do something special ... right???

**Answer:** having Power BI gives you the ability to share through the data catalog. Without Power BI, you'd have to share the workbook in SharePoint, or email the query/workbook to your coworker.

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12:57:05 PST

**Question:** There is just so much information to digest. Any way we will be able to re-watch portions or perhaps the entire course again?

**Answer:** Yes, all sessions will be recorded and available about 2 weeks after

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12:58:42 PST

**Question:** So I have the ability to do a web search and tie it to a corporate data file and then generate a dynamic scatter plot to show robust data all through Power Query?

I know we are not there yet, however, than what is Power Map utilized for?

**Answer:** For Data visualizations, once you have that data

---

13:10:19 PST

**Question:** Microsoft came out with Visual Studio 2013 several months ago. For some very strange reason the ability to use SSDTBI had been ripped out so SSIS and SSRS projects could not be developed by developers using VS2013. Has that been corrected? If not does that mean that SSIS and SSRS have been deprecated and will not be supported in future versions of Visual Studio?

**Answer:** Hi Bill, that questions is not exactly related to the scope of this session, if you are on twitter, follow me and send me a direct message for follow up with you @ilikesql

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13:11:11 PST

**Question:** PowerBI is not part of E3 correct? We need to buy separate license ... 40\$/mo/user?

**Answer:** The Power BI offering for office 365 is an addon to E3, licensing and cost model info is posted on <http://www.powerbi.com>

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13:12:11 PST

**Question:** PowerBI is not part of E3 correct? We need to buy separate license ... 40\$/mo/user?

**Answer:** Power View and Power Pivot are available as part of the E3 license, but to use larger workbooks in O365 and features such as on-premise data refresh and the Power BI portal an additional license is needed.

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13:25:45 PST

**Question:** Dandy doesn't pay taxes

**Answer:** I do, gladly do

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13:27:06 PST

**Question:** if you already subscribe to E3, the addon is 'just' \$20

**Answer:** and that is for the users that you need Power BI for

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13:32:27 PST

**Question:** Did I understand right from a previous comment that you can consume some basic reports without that license? Is there someplace where we can see the list of limitations for users with/without a license?

**Answer:** Power View is in Office Pro Plus, you can do this level of reporting out of the box, just not the share/collaborate portion or Q&A or Mobile app, which is exclusive to Power BI

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13:47:44 PST

**Question:** What is the relationship between the public catalog for PowerBI and the Windows Azure Marketplace?

**Answer:** The public catalog & the Windows Azure Marketplace are different sources - partners such as the Bing team helped to build the public catalog while the Azure Marketplace contains free and paid data added by various publishers.

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13:53:06 PST

**Question:** what is the use of Data Categorization that you just explained?, sorry I missed it

**Answer:** Using Power Pivot the type of data contain in a field can be tagged ie. image/URL/address etc. Power View uses this information to know when to show a field as an image, or say a link if the data contains URLs

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14:02:49 PST

**Question:** Will be demo materials available to download after sessions?

**Answer:** I will write a blog on it afterwards with some links to the session data / samples

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14:06:40 PST

**Question:** With respect to the blog article can you post the link to attendees?

**Answer:** Yes Steven, we'll make that work, I will also collect and work with all our presenters to centralize this

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14:13:28 PST

**Question:** Simon/Crystal, can you ask Sandy what POS system her brother uses in his bar? And if they recommend it?

**Answer:** John, follow up with me by email dandyw@microsoft.com and I will link you directly to Sandy

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14:39:56 PST

**Question:** Do you want to ask Ari to remove the gigantic title from his map demos? They are quite a distraction, and limit the screen real estate.

**Answer:** I asked 😊

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14:45:24 PST

**Question:** Do all the Power Map visualizations work on Windows RT? What about Windows phone?

**Answer:** Power Map is a x86/x64 version only right now, actually in Office for Windows RT you do not have Power View or Power Pivot either. However you can view videos that you have done in Power Map on your RT device.

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14:58:09 PST

**Question:** What is the support in PowerXXX for iOS and Android consumers?

**Answer:** I believe that lot of this will be answered in the next session around the Power BI sites. But in short we are supporting HTML5 ready devices. //Simon

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14:58:10 PST

**Question:** Are there any public Excel Power Pivot demos with the billions of records repeatedly mentioned? We were never able to get more than 50 million loaded with 5 columns store number, prices and SKUs in an Excel 2013 POC on a 32GB RAM 64 bit server. We were told 200 million was unrealistic. Has something changed the last 4 months in Excel 2013 Power Pivot engine?

**Answer:** I think the constraint there is the 32GB RAM

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15:02:12 PST

**Question:**

> *Quoted question:* Are there any public Excel Power Pivot demos with the billions of records repeatedly mentioned? We were never able to get more than 50 million loaded with 5 columns store number, prices and SKUs in an Excel 2013 POC on a 32GB RAM 64 bit server. We were told 200 million was unrealistic. Has something changed the last 4 months in Excel 2013 Power Pivot engine?

> *Quoted answer:* I think the constraint there is the 32GB RAM

**Answer:** Also the type of data is extremely important like data types and how many repetitive values you have in your data set etc. Kasper de Jonge has published a nice workbook that can help you analyze what columns/ tables that take up the most memory you can find it here <http://www.powerpivotblog.nl/what-is-eating-up-my-memory-powerpivot-excel-edition/>

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15:07:31 PST

**Question:** Thanks, Sandy! Pleasure to see you in this presentation. I listened to your other one last Aug.

**Answer:** Thanks Don! I plan on doing some videos too of various scenarios utilizing different visualizations - stay tuned!!

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15:07:54 PST

**Question:** awesome presentation Sandy!

**Answer:** Thanks Terry! I just love Power View!

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15:10:28 PST

**Question:** @Bill Walter - not strange at all - VS and SQL Server have been on different release cycles for years. Just install SSDT-BI and it will install the VS2012 shell, side-by-side with VS2013.

**[[REPLY 🙌** I will follow up on this thread on my blog: <http://www.ilikesql.com>

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15:20:01 PST

**Question:** is powerbi site content limited to only data models and power query queries? can you also publish and refresh Excel files connected to other data sources, ssrs reports, etc?

**Answer:** The Power BI site is targeted against sharing excel workbooks containing data models, currently there is no support for things like SSRS reports in the cloud. However you can integrate it with your normal SharePoint online site, you have a comparison between the features here <http://technet.microsoft.com/en-us/library/dn394343.aspx>

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15:20:30 PST

**Question:** is this conference trending on twitter?

**Answer:** if it is I want my name tagged in it 🙄

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15:23:51 PST

**Question:** Are these sessions being recorded for download later?

**Answer:** yes, they will all be published on the MVA

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15:38:35 PST

**Question:** why would one use BI Center site in SharePoint Online (Plan 2) vs. Power BI?

**Answer:** BI Center is available in all plans while Power BI is an add-on

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15:39:44 PST

**Question:** How about native app for Android devices?

**Answer:** yes, we're aware of it ...

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16:07:06 PST

**Question:** Are there times when the natural language queries are not precisely understood, and in those cases is there guidance for expressing the queries more formally to gain more precision?

**Answer:** Yes, Adam will go into that as part of this presentation

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16:08:29 PST

**Question:** Are there times when the natural language queries are not precisely understood, and in those cases is there guidance for expressing the queries more formally to gain more precision?

**Answer:** There are three features which currently help guide the user toward more "precise" language, if the guessing logic isn't quite getting it right. First: The restatement (in blue) shows how the question was understood. Second: Autocomplete (the grey text tacked on the end in the search box) suggests how the user can end the question they're in the middle of. Third: There are alternate suggested questions shown in the dropdown

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16:13:12 PST

**Question:** Is Q&A available in other languages in addition to English?

**Answer:** Not yet, but we're working on it.

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16:24:06 PST

**Question:** What does the URL look like in Power Query?

**Answer:** which URL?

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16:31:34 PST

**Question:** Does Q&A use long request strings in the URL or is it more like REST?

**Answer:** The communication with the back end is more like REST, but the question is still injected into the URL so you can use "back". For example:

<https://myserver.net/infonav/app/infonavdaily.sharepoint.com/traffic/?SPAppWebUrl=https%3A%2F%2Finfonavsample-89a666ed23895e.sharepoint.com%2F%2FBICenter&k=flights%20to%20jfk>

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16:52:04 PST

**Question:** Well, it's 1:50am here in Sweden and I'm just done with today's hours for enjoying this event... Thank you guys... Two Days done in a long one...

**Answer:** It's been a pleasure, thanks for your commitment Mattias!

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16:53:22 PST

**Question:** I joined this Jumpstart late, so I'm a bit confused about the difference between Power Query and Power BI Q&A. Could you point me to a comparison of the two?

**Answer:** Brian, Power Query is the tool you use to get data into Excel connecting data from many data sources, there was a detailed session on it today, you can find the recordings on it later. Q&A is all about consumption and asking questions to the data in native language

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16:53:57 PST

**Question:** Dandy, you need a cold alcoholic beverage when you're done... Amazing, excellent work and stamina!

**Answer:** I gladly take that Pat, after seeing Sandy's demo I got thirsty 🍷

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16:54:59 PST

**Question:** I have learned so much! this is awesome

**Answer:** thanks Cara! It's been a pleasure designing this agenda and I truly appreciate the feedback

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17:16:13 PST

**Question:** Is the data gateway with PowerBI the only way to connect to on-prem data sources? Can this type of connection be made with O365 without the PowerBI add-on license?

**Answer:** To connect to refreshable on-prem resources, yes ... you can however also use other cloud-based services such as Windows Azure SQL Database etc...

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17:30:59 PST

Thanks everyone!