Welcome Everyone!

Thank you for joining us as we explore

How to Use Microsoft Power BI for O365 to Analyze Salesforce Data
How to Ask Questions

- Webinar content will last for 50 minutes followed by Q&A session which we will try to address key questions or we will follow up after the webinar.
- If you have a question or an issue:
  - Type your question in the question window of the GoToWebinar control panel on the right side of your desktop
  - We will sort through the questions real time and present those most frequently asked to our panel at the end of the presentation
  - If you have any issue, click on the hand
- If you have a question that does not get addressed, we will post answers in our Netwoven blog or contact us via email.
Who is Netwoven

Netwoven is a solution consulting firm serving large & mid-size enterprises.

We were founded in 2001 by former Microsoft executives.

Top domain experts from multiple industries and technology firms like Microsoft, Accenture, Oracle & Intel.

U.S. headquartered company with global development center.
Netwoven Services

• Office365 Architecture, Planning and Implementation
• Migration Services from earlier versions SharePoint or similar systems
• Social and Search based solutions
• Enterprise Content Management
• Web, Intranet & Collaboration Sites
• Big Data Management& Visualization
• Integrated Digital Marketing
• Platform Managed Services
Murali Madhusudana

- Engagement Director at Netwoven - BI Practice Lead
- Associated with Business Intelligence and Data Warehousing since 2001
- Worked for clients like Cisco, Adobe, GE, Amgen, Genentech
- Served both Fortune 500 & mid market clients
- Extensive Experience with BI tools: Microsoft Power BI, Qlik, SAP BO, Informatica, Teradata etc.
- Extensive knowledge in Information Architecture, set up BICC, Strategy, Execution, Delivery, Sales, Pre-sales and Account Management
- Project won "TDWI Best Practices Award" at GE
- Music, sports (Tennis, Badminton and Cricket), travelling and spending time with friends and family

MBA, PMI, Six Sigma Green Belt

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Today’s Agenda

- Industry Trends

- Microsoft’s Self Service BI
  - On-Prem & Cloud
  - Key components – Power Query, Power Pivot, Power View and Natural Language based Search

- Industry Use of Power BI Solution
  - Key building blocks
  - Cloud based Self Service BI

- Power BI vs SharePoint BI

- Wrap Up & Q&A
SoMoClo (Social, Mobile and Cloud) is the convergence of collaborative, on-the-go technologies that allow users to access data and applications from anywhere at any time.
BI Maturity

**Corporate BI**
- Managed BI
- High Governance

**IT Regulated**
- Managed Self-Service BI
- Managed Self

**IT – Business Partnership**
- IT – Infrastructure and Business users - SME

**Managed BI**

**Business Self Reliant**
- Importance to data exploration and agile information discovery
- Tech Savvy business users

**Self Service BI**

**Netwoven**
Technology Enablers in Next Generation BI

Data Architecture
- In Memory architecture
- Reusable Metadata, multi-level security
- Multi tenancy

Advance Visualization & Interactive Interface
- Extensive library of most advanced graphs & charts
- ‘Bing/Google’ like search capabilities
- Cross Platform Support (HTML5)

Script free Data mashup
- ETL free, minimal scripting
- Connect to various data sources – structured & unstructured seamlessly

Predictive Analytics
- In-built statistical modelling capability
- Integration with R
- Social Media /Sentiment Analytics
Microsoft Self Service BI
Microsoft Power BI for Office 365
Self-service BI with the familiarity of Office and the power of the cloud

Insights in Excel
One billion Office users

Collaborate in Office 365
1 in 4 enterprise customers on Office 365

Discover | Analyze | Visualize

Share | Find | Mobile

Scalable | Manageable | Trusted

Power BI is a hybrid solution which is partially implemented on-premises and partially in the cloud via Office 365.
Key Components of Power BI – On Premise

Power Query
- Discover
- Search organizational and Public (Cloud) data
- Import, merge, shape and cleanse Data
- Manage Shared Queries and Certify Queries

Power Pivot
- Analyze
- Create in-memory data model
- Create hierarchies and KPI’s
- Create derived fields and calculations

Power View
- Visualize
- Analyze, visualize and display data
- Interactive data visualization tool
- Delivers intuitive ad-hoc reporting for business users

Power Map
- Map
- Create maps and tours of data
- Enables story telling using 3-D data
- Uses “Bing Map Service”

Free Excel 2013 Plug-ins | Office Pro Plus | Office Professional Plus
Key Components of Power BI – O365 Cloud

Power BI Site

- Share Data & Insights
- View, Analyze and explore data & reports
- Share Workbooks and Collaborate
- Quick Edits in EWA or open in Excel

Q & A

- Ask Questions & Get Answers
- Bing like Search across Power BI Workbooks
- Natural Language Queries
- System generated data visualization

Data Catalog

- Data Usage & Telemetry
- Metadata for facilitated search functionality
- Manage Shared Queries and Certify Queries
- Users can easily discover and reuse queries

Data Management Gateway

- On-Premises Data Access
- Data Refresh to On-Prem sources
- Schedule periodic data refreshes
- Expose tables and views as Odata Feed to external consumers

Cloud Service | Subscription Based | Collaborative Self Service BI
Additional Functionalities in O365 Cloud

- Use the Power BI Site to share workbooks with coworkers
- Perform Q&A searches on the workbooks
- Schedule automatic data refresh
- Utilize shared Power Queries (Enterprise Data Search)
- Utilize certified Power Queries (Data Stewardship)
- Open up corporate data sources via an OData feed (Enterprise Data Search)
- Mobile BI App
Power BI Workflow

Excel Workbook

- Power Query
  - Excel Data Model / Power Pivot
- Data Storage
  - Excel Cubes Formula / Power Pivot
  - Power View Reports
  - Power Map
- Reports

O365 (Cloud)

- Power BI App
  - Power BI Site
  - Q&A
  - Data Catalogue
  - Gateway
- Power BI Admin Center
  - System Maintenance
  - Data Refresh
  - Corporate Data Refresh

Publish Workbook

Text

Database

Web file
Data Discovery
Powerful self-service BI with Excel 2013

Discover & Combine
Search and access internal & external data
Clean, transform, and shape data
Merge and combine data from multiple sources

Analyze & Model
Lightning fast analytics with in-memory technology
Model relationships, custom measures, hierarchies, and KPI's

Visualize & Explore
Bring your data to life with interactive visualization
Explore data in new ways to discover hidden insights

Power Query – formerly project “Data Explorer”
Power Query

Power Query is an add-in for Excel to discover, transform and consume data.

Allows defining queries which run a sequence of steps to import and reshape data from one or more data sources.

- Query steps are defined by using Power Query Formula Language (also known as "M")
  - Simple query step logic does not require writing formulas
  - Advanced query step logic can be written to leverage the full power of the language
Data Shaping and Manipulation

- Configure Data Types
- Rename and remove columns
- Insert Custom Columns
- Split Columns (i.e. convert delimited text to columns)
- Sort, Group, merge columns
- Un-pivot Columns
- Filter Data
- Replace Value
- Keep top ‘N’ rows or specific range of rows
- Remove Duplicates

Search data, many sources, many transformations, Extensible by code (M language)
Share to Power BI by data catalog
Data sources

File:
- From Excel
  Import data from a Microsoft Excel workbook.
- From CSV
  Import data from a comma-separated value file.
- From XML
  Import data from an XML file.
- From Text
  Import data from a text file.
- From Folder
  Import metadata and links about files in a folder.

Database:
- From SQL Server Database
  Import data from a Microsoft SQL Server database.
- From Windows Azure SQL Database
  Import data from a Microsoft Windows Azure SQL database.
- From Access Database
  Import data from a Microsoft Access database.
- From Oracle Database
  Import data from an Oracle database.
- From IBM DB2 Database
  Import data from a DB2 database.
- From MySQL Database
  Import data from a MySQL database.
- From PostgreSQL Database
  Import data from a PostgreSQL database.
- From Sybase Database
  Import data from a Sybase database.
- From Teradata Database
  Import data from a Teradata database.

Other Sources:
- From SharePoint List
  Import data from a Microsoft SharePoint site.
- From OData Feed
  Import data from an OData feed.
- From Windows Azure Marketplace
  Import data from the Microsoft Windows Azure Marketplace.
- From Hadoop File (HDFS)
  Import data from a Hadoop Distributed File System.
- From Windows Azure HDInsight
  Import data from Microsoft Windows Azure HDInsight.
- From Windows Azure Blob Storage
  Import data from Microsoft Windows Azure Blob Storage.
- From Windows Azure Table Storage
  Import data from Microsoft Windows Azure Table Storage.
- From Active Directory
  Import data from Active Directory.
- From Microsoft Exchange
  Import data from Microsoft Exchange.
- From Facebook
  Import data from Facebook.
- From SAP BusinessObjects BI Universe
  Import data from an SAP BusinessObjects BI Universe.
- Blank Query
  Write a query from scratch.
Data Analysis
Powerful self-service BI with Excel 2013

Discover & Combine

Search and find internal & external data
Clean, transform, and shape data
Merge and combine data from multiple sources

Analyze & Model

Lightning fast analytics with in-memory technology
Model relationships, custom measures, hierarchies, and KPI’s

Visualize & Explore

Bring your data to life with interactive visualization
Explore data in new ways to discover hidden insights
Introducing PowerPivot

- PowerPivot empowers business users to create self-service BI data models in Excel
  - Achieved with a client-side version of SQL Server Analysis Services, known as the In-Memory Analytics Engine
  - Columnar Storage: Can efficiently store data volumes far greater than what Excel worksheets can achieve
  - Data is highly compressed and stored
  - Queries are very fast

- Can import and relate data from corporate, local, and ad hoc data stores

- In Excel 2013 Professional Plus edition, PowerPivot is installed, but not enabled
Power Query v/s Power Pivot

- Traditional
  - Extract
  - Transform
  - Load

- Self-service
  - Power Query

- SSIS
- SSAS
<table>
<thead>
<tr>
<th>Data Sources</th>
<th>Power Query</th>
<th>Power Pivot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Active Directory</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Analysis Services</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Date Feed</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Excel</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Facebook</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>File Folder</td>
<td></td>
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<tr>
<td>Hadoop File</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Odata Feed</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Relational Databases</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>SharePoint List</td>
<td>X</td>
<td></td>
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<tr>
<td>SQL Azure DB</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>SQL Server</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Text File</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Web</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Windows Azure HD Insight</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Windows Azure Marketplace</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>XML</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
Data Visualization using Power View
Powerful self-service BI with Excel 2013

Discover & Combine

- Search and find internal & external data
- Clean, transform, and shape data
- Merge and combine data from multiple sources

Analyze & Model

- Lightning fast analytics with xVelocity in-memory technology
- Model relationships, custom measures, hierarchies, and KPI's

Visualize & Explore

- Bring your data to life with interactive visualization
- Explore data in new ways to uncover hidden insights
Introducing Power View

- Power View is an interactive data exploration, visualization, and presentation experience
  - Highly visual design experience
  - Rich meta-driven interactivity
  - Presentation-ready at all times
- It delivers intuitive ad-hoc reporting for business users
- Reports can be based on tabular data models, including PowerPivot data models
- It is now also available in Excel 2013, and with new features:
  - Maps
  - Pie charts
  - Hierarchies
  - KPIs
  - Drill down/Drill up
  - Report styles, themes and text resizing
  - Backgrounds with images
  - Hyperlinks
  - Printing
Data Model Preparation for Power View Visualizations

• For effective Q&A — user friendly names, adding synonyms, adding descriptions

• Building Calculation & Aggregations— Setting columns, calculated field data formats, apply aggregations on column data, configuring default table values and default sets etc.

• Enable External Images — loading image data or referencing external image data
Interactive Display

- Visual & Interactive Self Service BI tool
- Intended for Business Users
- Unique Data Discovery
- Presentation Ready (Like PPT Slides)
- Silverlight Based (Exception: Power BI)
- Model Explorer & Field List similar to Excel
- Goal is Powerful Data Visualization with minimal learning curve
New Visualizations

Closed Deals by Division
$560.60k

Number of Opportunities by Stage
- 97.84k
- 21.56%
- 20.98%
- 20.23%
- 19.42%
- 17.81%

Lead Conversion Rate
12.3%

Pipeline Size by Month
267

New Customers by Week Pipeline
144k

Opportunity Size by Salesperson Pipeline
$69.05M

Opportunity Size by State
$69.05M

Curt Hagelocher
Kai Iceva
David Law
Betty Renwick
Tessa Palmer

Map of the United States with states colored in green.
What is Power Map?

Power Map for Microsoft Excel enables information workers to discover and share new insights from geographical and temporal data through three-dimensional storytelling.
Sharing and Collaboration
Sharing and Collaboration

Microsoft provides 3 managed ways of sharing and collaborating
  • SharePoint 2013 (on-premises) – Enterprise Edition
  • Office 365 (Cloud) – ProPlus and E3 Editions
  • Power BI for Office 365 (Cloud)

These services extend the Self Service BI Capabilities in Excel by making them available in a collaborative online environment:
  • Power BI Sites
  • Power BI Q&A
  • Power BI Windows Mobile App
  • Query and Data Management
  • Cloud based Data Refresh
  • Power View Forecasting
Share Data & Insights

Easily setup powerful BI sites
Share live reports with data refresh from on-prem sources
Manage and share data sets and monitor usage

- Customizes a SharePoint Online site for Power BI activities
- Only support Excel Workbooks (250MB) which can be viewed thru Excel Online
- Also support HTML5
- Available on Subscription to Power BI for O365
Submitted Questions in English are responded with data visualizations and reports.

Responses are interactive and can be modified to further refine data exploration.

Cloud modelling allows defining new terms and resolving ambiguity.
Cloud Based Data Refresh

Data Management Gateway

- Data Management Gateway has to be installed on On-Premise server
- Data refresh will take place when the data model connection matches a pre-configured Power BI data source

Cloud-based data refresh can use the following sources:

<table>
<thead>
<tr>
<th>Internet Accessible</th>
<th>On-Premises</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Microsoft Azure SQL Database</td>
<td></td>
</tr>
<tr>
<td>• SQL Server in a Microsoft Azure Virtual Machine</td>
<td></td>
</tr>
<tr>
<td>• OData services:</td>
<td></td>
</tr>
<tr>
<td>▪ Basic or anonymous authentication</td>
<td></td>
</tr>
<tr>
<td>▪ SharePoint lists</td>
<td></td>
</tr>
<tr>
<td>▪ Project Online feeds</td>
<td></td>
</tr>
<tr>
<td>• SQL Server 2005 and above</td>
<td></td>
</tr>
<tr>
<td>• Oracle 10g, 11g and 11gR2</td>
<td></td>
</tr>
<tr>
<td>• Power Query connections to these data sources:</td>
<td></td>
</tr>
<tr>
<td>▪ SQL Server 2005 and above</td>
<td></td>
</tr>
<tr>
<td>▪ Oracle 10g, 11g and 11gR2</td>
<td></td>
</tr>
</tbody>
</table>
Enable ease of discovery with data search across on premise data

Business users can share and manage queries, and can analyze the usage of their shared data by using the **Manage Data** portal. Queries are shared to the **Data Catalog** which includes query metadata and data for the purpose of preview. The Manage Data portal enables:

- Viewing usage analytics of shared queries (searched or imported)
- Viewing and managing data sources used by Power Query queries, annotating them with information to improve their discovery
Demo – Sales Analytics using Power BI
Sales Analytics using Power BI – Ref. Architecture

Excel Workbook (On-Prem)

- Application Third-party
- Power View
- Queries
- Power Maps
- SharePoint Insights

Power BI Semantic Model

- Power Pivot
- Power Query

Tabular / Multidimensional

- MDX/DAX
- ODBC
- OLE DB
- Web/XML
- Hadoop
- HDFS
- SF Adapter

Data Management Gateway (Auto Refresh)

Office 365

- Multi-tenant server architecture
- Microsoft AD Sync
- SSL connections
- Data encryption and digital signature support
- SSO support
- Multi-factor authentication

VM Running SQL Server Virtual Network (IaaS)

SQL Database, HD Insight, Storage (PaaS)

salesforce

Databases
LOB Applications
Files
OData Feeds
Data Download - Power Query Integration with Salesforce

From Salesforce Objects

- Connects directly to the underlying object tables
- Displays a full list of all objects to which the user has access
- Users can choose one or more tables and import them into the workbook

From Salesforce Reports

- Connects using the Reports API and lets users import reports built in Salesforce
- No connection to the underlying objects and rebuilding these views on top.
- Users can combine their Salesforce data with other relevant data
Data Model and Building Custom Calculations

- Load data into worksheet using power query
- Use Power Queries to clean and transform the data
- Load data into "Data model" or "Worksheet" (Data model preferred while working thru large data sets)
- Go to the data model view and join the tables appropriately with the primary keys
- Create appropriate calculations/aggregations in the calculation area of data model
- Use synonyms to create metadata, save the model and publish to Power BI Site
Global Sales Head

Open Oppty Amount, LOST Oppty Amount, WON Oppty

Average of Opportunity Probability, and Open Oppty...

Quarter/Year
- Q1-11
- Q1-12
- Q1-13
- Q2-11
- Q2-12
- Q2-13
- Q3-11
- Q3-12
- Q3-13
- Q4-11
- Q4-12
- Q4-13

Sum of Open Oppty by Account Billing Sta...

Sum of Open Oppty, and Sum of Lost Opportunities b...

Opportunity Triphase
- OPEN

Dashboard

Bar chart Date Calendar Actual-Target Card Image - Bubble Chart Goals
Product Probability Distribution

Slicers
- Belgium
- Brazil
- France
- Germany
- Italy
- Netherland
- Spain
- Sweden
- United Kin
- USA

Filters

Average of Opportunity Probability, Open Oppy Amount, and Opportunity Count by Product Na...

- End Users
- Mobile User
- Test Server

- Q1-11
- Q1-12
- Q1-13
- Q2-11
- Q2-12
- Q2-13
- Q3-11
- Q3-12
- Q3-13
- Q4-11
- Q4-12
- Q4-13

Calendar | Actual-Target | Card Image | Dashboard | Bubble Chart | Goals
Product Distribution by Account Type

Tiles

1. Sum of Oppty Count
   OEM Partner Account
   Account Type
   Prodimage
   Q1-12
   QuarterYear

2. Sum of Oppty Count
   OEM Partner Account
   Account Type
   Prodimage
   Q2-12
   QuarterYear

1. Sum of Oppty Count
   Headquarter
   Account Type
   Prodimage
   Q4-12
   QuarterYear

86. Sum of Oppty Count
    End user
    Account Type
    Prodimage
    Q1-12
    QuarterYear
sum of open opportunities by product name in Spain
Show products and number of open opportunities, where account billing country is Spain
Power BI vs SharePoint BI
## Power BI vs SharePoint BI

<table>
<thead>
<tr>
<th></th>
<th><strong>Power BI</strong></th>
<th><strong>SharePoint BI</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Environment</strong></td>
<td>Power BI is a hybrid solution which is partially implemented on-premises and partially in the cloud via Office 365</td>
<td>SharePoint BI is usually an on-premises solution. Enterprise versions (2013 or 2010) of SharePoint and SQL Server are required</td>
</tr>
<tr>
<td><strong>Content Viewing</strong></td>
<td>Displays all document libraries which exist in the Power BI Site hence better organization of content</td>
<td>Power Pivot Gallery is a single document library</td>
</tr>
<tr>
<td><strong>Data Storage</strong></td>
<td>Power BI the data model and the reports everything must be contained within a single .xlsx file</td>
<td>Upload a Power Pivot model to the Power Pivot Gallery and other reports can connect to it using a URL-based connection string</td>
</tr>
<tr>
<td><strong>Enterprise Search</strong></td>
<td>Uses Power Query to search for corporate data (or public data) which has been exposed by other users sharing Power Queries, or by the administrator exposing an OData feed</td>
<td>No equivalent in SharePoint BI at this time</td>
</tr>
<tr>
<td><strong>Natural Language Query</strong></td>
<td>It’s a great way to visualize data on the fly</td>
<td>No equivalent in SharePoint BI at this time</td>
</tr>
<tr>
<td><strong>Rendering Visualization</strong></td>
<td>Uses Both Silverlight and HTML 5</td>
<td>SharePoint BI still utilizes Silverlight</td>
</tr>
</tbody>
</table>
# Self Service BI – On Premise v/s Cloud

<table>
<thead>
<tr>
<th>Features</th>
<th>Power BI (Self Service on Cloud)</th>
<th>SharePoint BI</th>
<th>On Prem BI</th>
</tr>
</thead>
<tbody>
<tr>
<td>In memory</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Data size</td>
<td>250MB</td>
<td>Configurable up to SharePoint limit (2gb)</td>
<td>Unlimited (or limited by RAM)</td>
</tr>
<tr>
<td>Data Refresh</td>
<td>Yes, using Gateway</td>
<td>Yes, Power Pivot Gallery</td>
<td>Yes</td>
</tr>
<tr>
<td>Direct access to on premise data</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Refresh from Power Query</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Render Power Map in browser</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Power View HTML5 support (+iPad support)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Render Power View Excel Sheets</td>
<td>Yes</td>
<td>Yes (SP 2013), No (SP 2010)</td>
<td>Yes (SP 2013), No (SP 2010)</td>
</tr>
<tr>
<td>Create Power View reports</td>
<td>No (Not yet)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Support for Power View in Power Point</td>
<td>No (Not yet)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Natural Language query support</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Synonyms</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Windows Authentication (corporate domain)</td>
<td>Yes (DirSync)</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Power BI – A Powerful Self Service Tool

End Users

- End-users have long wanted the ability to easily access and analyze data
- Q&A’s natural language query and intelligent visualization engine will do more to encourage every employee to use information as a basis for decisions

BI Analysts

- Power Pivot gave power users the ability to build efficient data models over large data volumes, but that information needed to “fit” into clean data models
- Power Query’s data transformation and flexibility further empower analysts to build their own end-to-end solutions quickly

IT & Data Stewards

- The data catalog underlying Power BI is exciting because it promotes self-service and governance simultaneously
Pricing and Licensing
How to Buy Power BI

Two options:

Microsoft Online Subscription Program
Purchase on PowerBI.com

Microsoft Volume Licensing
Reach out to your Microsoft partner or representative for more information
# Power BI Offers and Pricing

Choose the right option based on what you already own:

<table>
<thead>
<tr>
<th>Power BI for Office 365:</th>
<th>Power BI standalone</th>
<th>Power BI standalone + Office 365 ProPlus</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI Sites</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Scheduled Data Refresh</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Enterprise Data Search</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Data Stewardship</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>Mobile BI Service</td>
<td>⬤</td>
<td>⬤</td>
</tr>
<tr>
<td>SharePoint Online Plan 2</td>
<td></td>
<td>⬤</td>
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<tr>
<td>Excel:</td>
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<tr>
<td>Data Discovery &amp; Access</td>
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<td>⬤</td>
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<tr>
<td>Modeling &amp; Analysis</td>
<td></td>
<td>⬤</td>
</tr>
<tr>
<td>Visualization</td>
<td></td>
<td>⬤</td>
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</tbody>
</table>

**Price**

- **Power BI add-on for E3/E4 Subscribers**
  - BI Sites: $33\text{-$20*} \text{ Per User Per Month Billed Annually ($396/year)}$ ($240/year)$
  - Pricing is Per User Per Month Billed Annually ($396/year) ($240/year)
- **Power BI standalone**
  - Pricing is Per User Per Month Billed Annually ($480/year)
- **Power BI standalone + Office 365 ProPlus**
  - Pricing is Per User Per Month Billed Annually ($624/year)

* 40% off promotion for Office 365 E3 or E4 customers. Ends December 31, 2014.

Pricing Shown is US Commercial ERP through the Microsoft Online Subscription Program.
Recap.....

- Industry Trends

- Microsoft’s Self Service BI
  - On-Prem & Cloud
  - Key components – Power Query, Power View and Natural Language based Search

- Industry Use of Power BI Solution
  - Key building blocks
  - Cloud based Self Service BI

- Power BI vs SharePoint BI
Webinar Prize Winner!!

Sony Smartwatch

All attendees who are registered and attend till the end of Webinar

And the Winner is....
Expert Panel

Murali Madhusudana
Engagement Director
Netwoven

Niraj Tenany
President & CEO
Netwoven

Viraj Bais
CTO & Founder
Netwoven

Andrew Sutton
Engagement Director
Netwoven
Thank you for participating!

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