Creating Power BI Dashboards and Desktop Solutions

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Agenda

Power BI and Power BI Desktop Overview

Demos

- Real-Time Social Analytics

- WW Importers Retail Demo

Creating a Dashboard in an Hour
You get to experience Power BI first-hand by building your own dashboard

Power BI Overview

Power BI

Experience your data. Any data, any way, anywhere

- Power BI is a cloud-based business analytics service that enables
  - fast and easy access to your data
  - a live 360° view of your business
  - data discovery and exploration
  - insights from any device
  - collaboration across your organization
  - anyone to visualize and analyze data
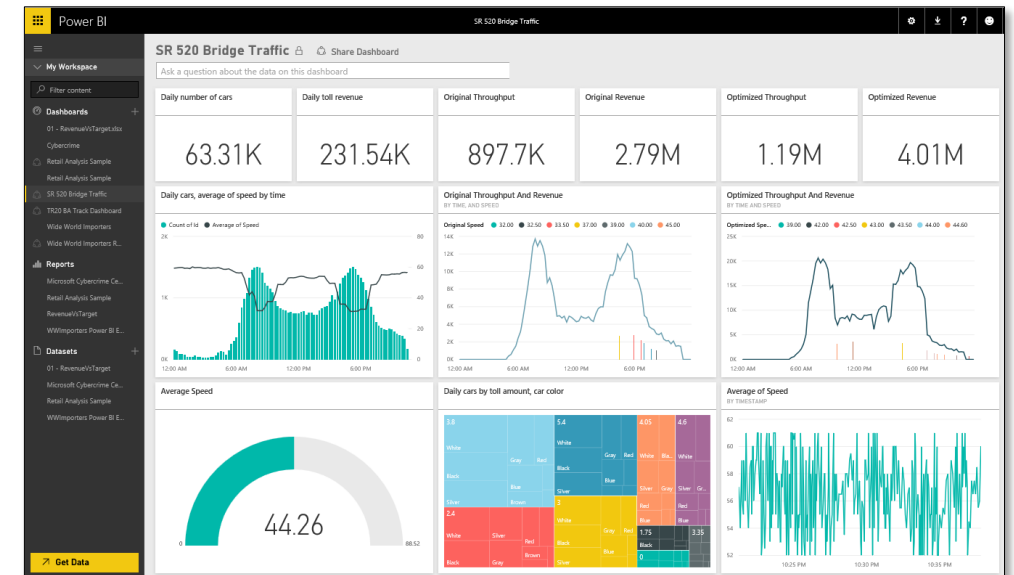
Power BI Overview

Data sources

SaaS solutions
e.g. Marketo, Salesforce, GitHub, Google analytics

On-premises data
e.g. Analysis Services

Custom content packs
Corporate data sources or external data services

Azure services
Azure SQL, Stream Analytics...

Excel files
Workbook data / data models

Power BI Desktop files
Data from files, databases, Azure, and other sources

Power BI service

Content packs

Live dashboards
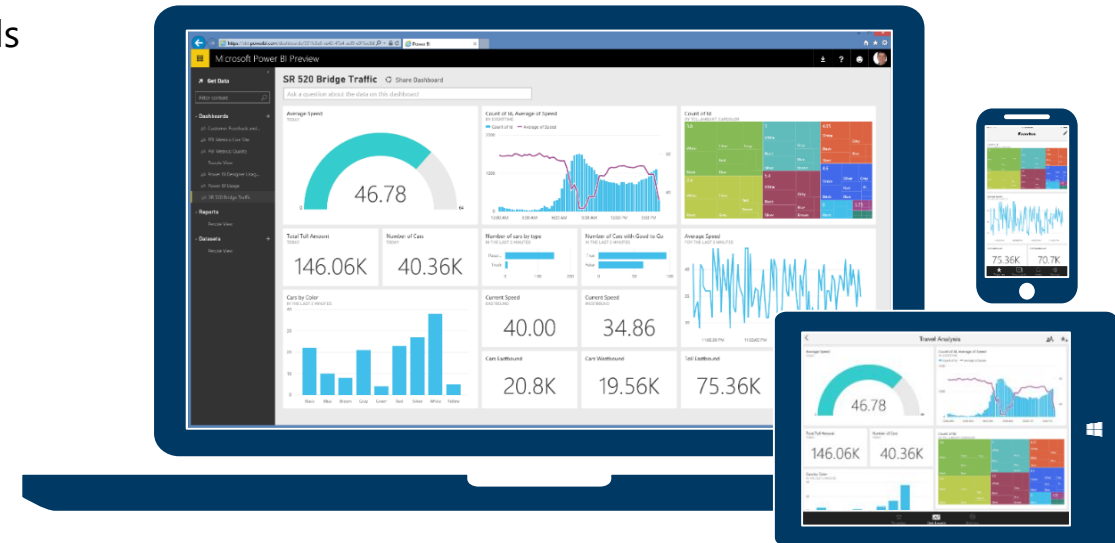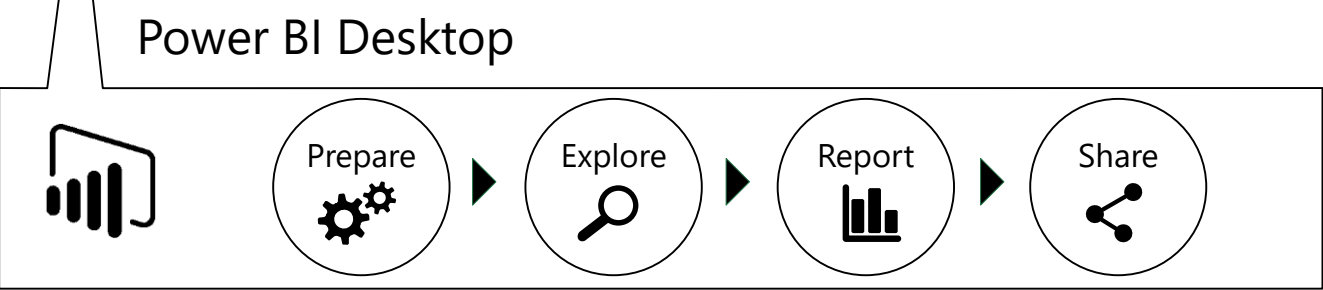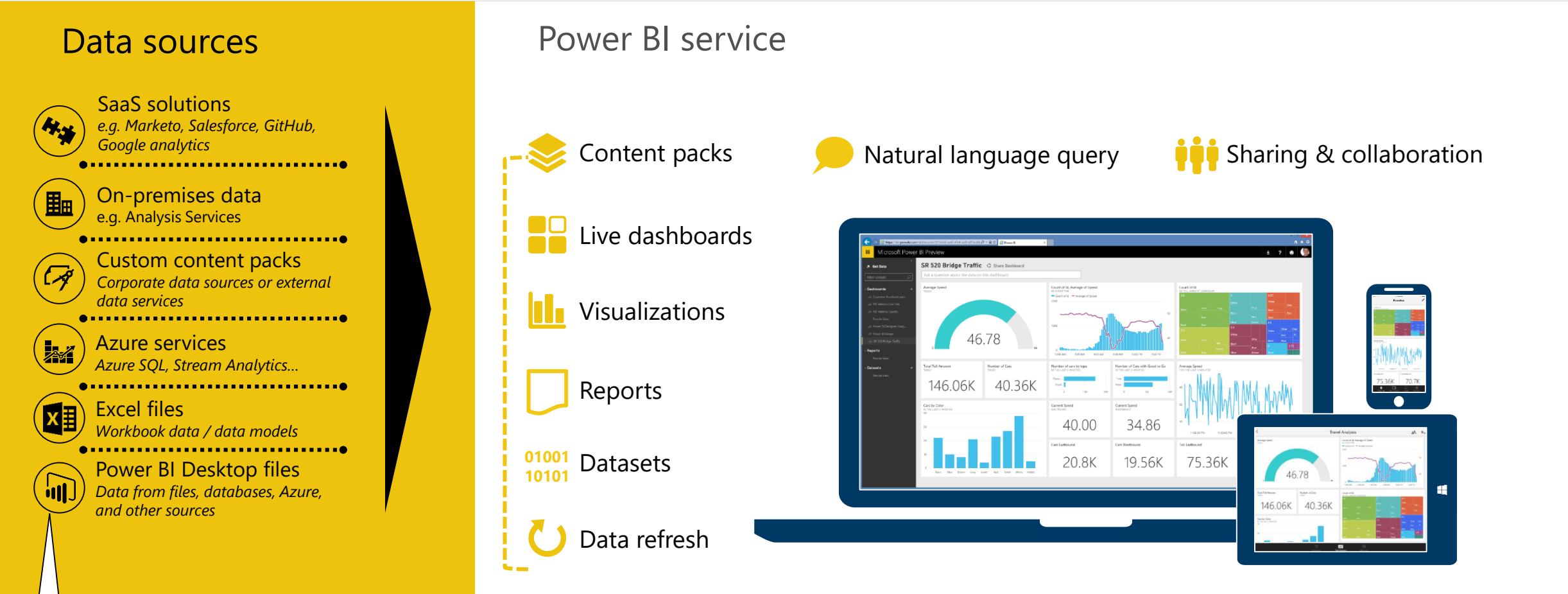
Visualizations

Reports

Datasets

Data refresh

Natural language query

Sharing & collaboration

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Reports

01001
10101 Datasets

Data refresh

Power BI Desktop

Prepare ▸ Explore ▸ Report ▸ Share

Power BI REST APIs

What is Power BI Desktop ?

A freely downloadable 32/64bit desktop application optimized for use the Power BI Service

Combines the power of Power Query, Power Pivot and Power View

Dedicated BI workflow: Specializing in Interactive Visualization and Analysis
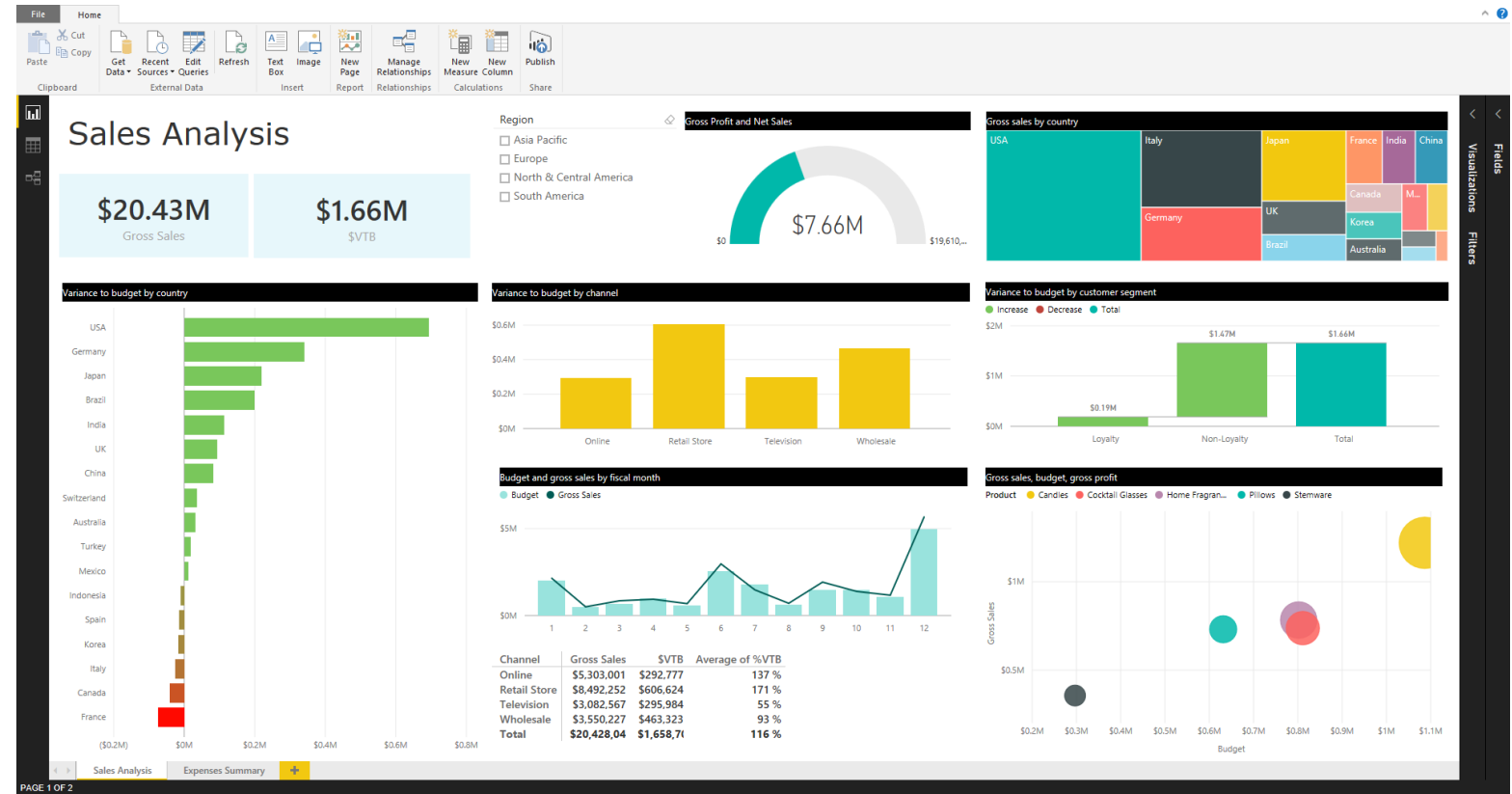
Main output: Interactive Reports

Effortlessly publish interactive visual reports to users of Power BI

Updated on monthly basis

Create Power BI Content
## Connect to data and build reports for Power BI

What can you do with Power BI Desktop ?

Prepare

Explore

Report

Share & collaborate

Prepare, explore, report and collaborate with Power BI Desktop

- Acquire and prepare data with extensive query capabilities

- Establish data structure and transform and analyze data

- Explore data in new ways through a freeform, drag-and-drop canvas

- Author reports with a broad range of modern data visualizations

- Publish interactive reports to powerbi.com
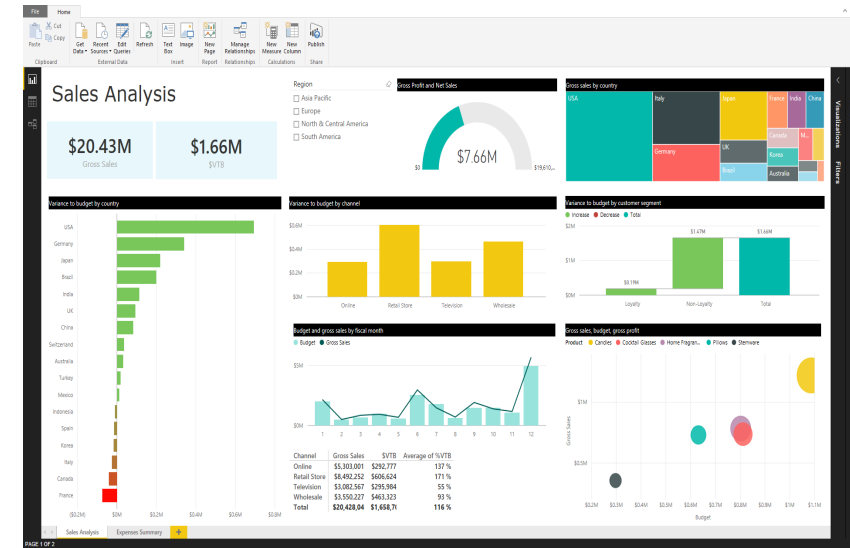
Demo:
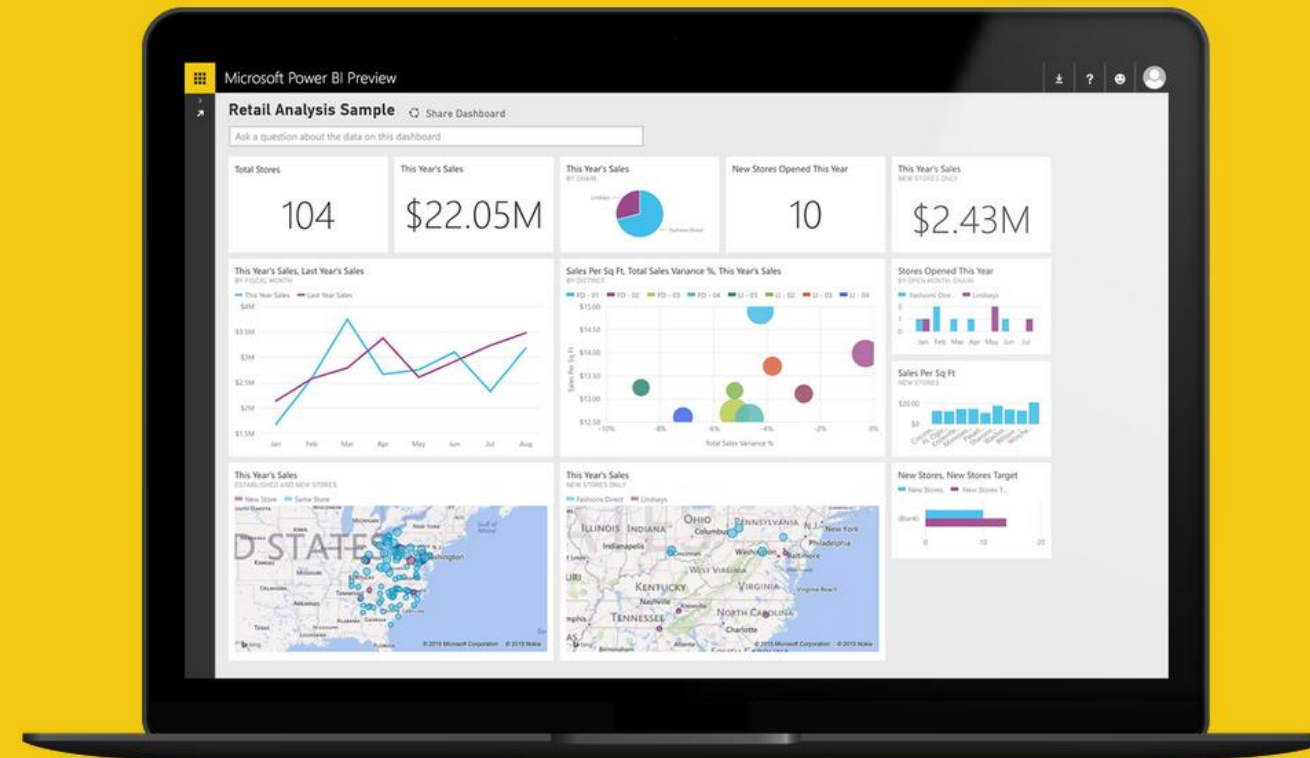# WW Importers Retail demo

Demo:
Using Tweets

Get started now at powerbi.com

Power BI

Let us help you bring your data to life

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→ Take the Power BI Tour

Enter your work email address   **Use it free**

By clicking Use it free, you agree to the Power BI Preview Terms of Service

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Microsoft Power BI Preview

Retail Analysis Sample Share Dashboard

Ask a question about the data on this dashboard

| Total Stores | This Year's Sales | This Year's Sales | New Stores Opened This Year | This Year's Sales |
| 104 | $22.05M | | 10 | $2.43M |

Build a Dashboard in an Hour

Power BI

- Build a dashboard from scratch
- Two steps using Power BI Desktop and Power BI Service
- Explanation of the business scenario
- Pre-requisites

Prerequisites and setup steps

Power BI

- **Internet connectivity:** You must be connected to the internet
- At minimum, a computer with 2-cores and 4GB RAM running one of the following version of Windows: Windows 7, Windows 8, (64-bit preferred), Windows 8.1 or Windows 10 or Windows Server 2008 R2 or Windows Server 2012/R2
- Microsoft Power BI Desktop requires Internet Explorer 10 or greater
- Verify if you have 32bit or 64bit operating system to decide if you need to install the 32bit or 64bit applications.
  - o Search for computer on your PC, right click properties for your computer
  - o You will be able to identify if your operating system is 64 or 32 bit based on "system type" as shown below

- **Download the Power BI Content**: Create a folder called **Power BI Content** on an appropriate drive on your local machine. Copy all contents from the folder called **Dashboard in an Hour Assets** on the flash drive to the **Power BI Content** folder on your local drive
- **Download and install Power BI Desktop:** Download and install Microsoft Power BI Desktop from http://www.microsoft.com/en-us/download/details.aspx?id=45331. Optionally, you can also install the Power BI Desktop tool from the **Power BI Desktop Install** folder on the flash drive. Please choose appropriate 64-bit or 32-bit version depending on your platform. Microsoft Power BI Desktop is available for 32-bit (x86) and 64-bit (x64) platforms

- **Signup for Power BI:** Go to www.powerbi.com and sign up for Power BI with a business email address. If you cannot sign up for Power BI, let the instructor know
- If you have an existing account, please go to http://app.powerbi,com and **Sign in** using your **Power BI account**

Power BI

- Have fun during 'Dashboard in an Hour' session
- If you cannot login to Power BI, please let us know
- Proctors in the room

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