Plovdiv Power BI

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Unclassified Information

- Ricardo Cabral

- Technical Engineer and also Microsoft Certified Trainer (MCT).

- IT Trainer | IT Consulting.

- I participate, volunteer and speak in community meetings.

- In my free time I'm often spotted at Xbox Live.

Agenda

- What is Power BI Desktop

- What we do with this?

- Demo Power BI Desktop

- What I think about Power BI Desktop

- What is Power BI Service

- Demo Power BI Service

CLASSIFIED

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What is Power BI Desktop

- Visual data exploration and reporting tool

- Consolidation data from a broad range of sources

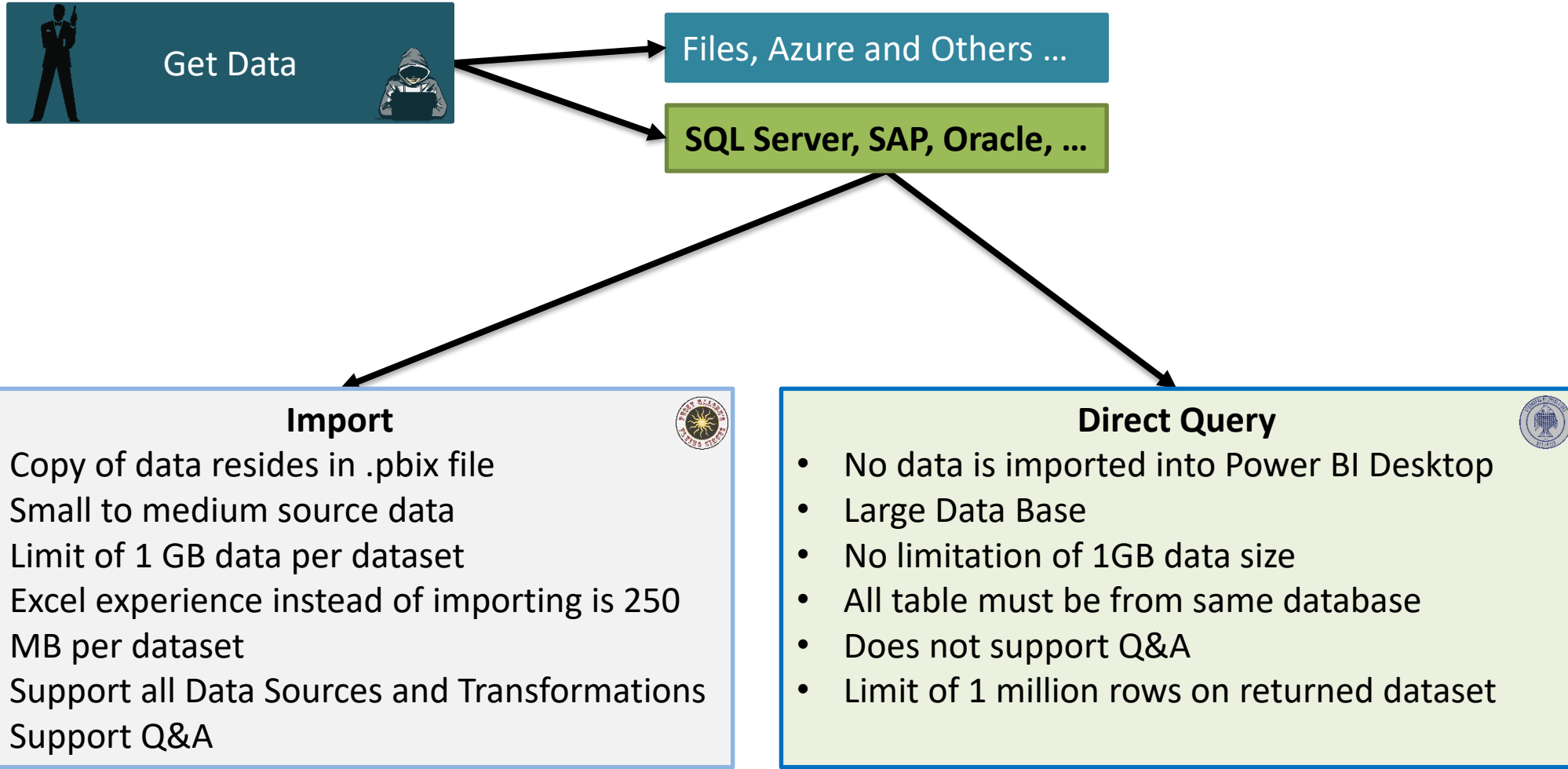| File	Database	Azure	Online Services		Other
- CSV - Excel - JSON - SharePoint Folder - Text - XML	- Access - Amazon Redshift - DirectQuery for SQL Server - IBM DB2 - IBM Informix - Impala - MySQL - Oracle - PostgreSQL - SAP Business Warehouse - SAP HANA - Snowflake - SQL Server - SQL Server Analysis Services - Sybase - Teradata	- Blob Storage - Data Lake Store - DirectQuery for SQL Database - DocumentDB - HDInsight - HDInsight Spark - Marketplace - SQL Database - SQL Data Warehouse - Table Storage	- appFigures - Azure Enterprise - comScore Digital Analytics - Dynamics 365 for Financials - Dynamics CRM Online - Exchange Online - Facebook - GitHub - Google Analytics - MailChimp - Marketo - Mixpanel - Planview Enterprise - ProjectPlace - QuickBooks Online - Salesforce	- SharePoint Online - Smartsheet - Spark - SparkPost - SQL Sentry - Stripe - SweetIQ - Troux - Twilio - tyGraph - Webtrends - Zendesk	- Active Directory - Blank Query - Hadoop File (HDFS) - Microsoft Exchange - OData Feed - ODBC - OLEDB - R Script - SharePoint List - Web

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What is Power BI Desktop

- Visual data exploration and reporting tool

- Consolidation data from a broad range of sources

- Interactive reports
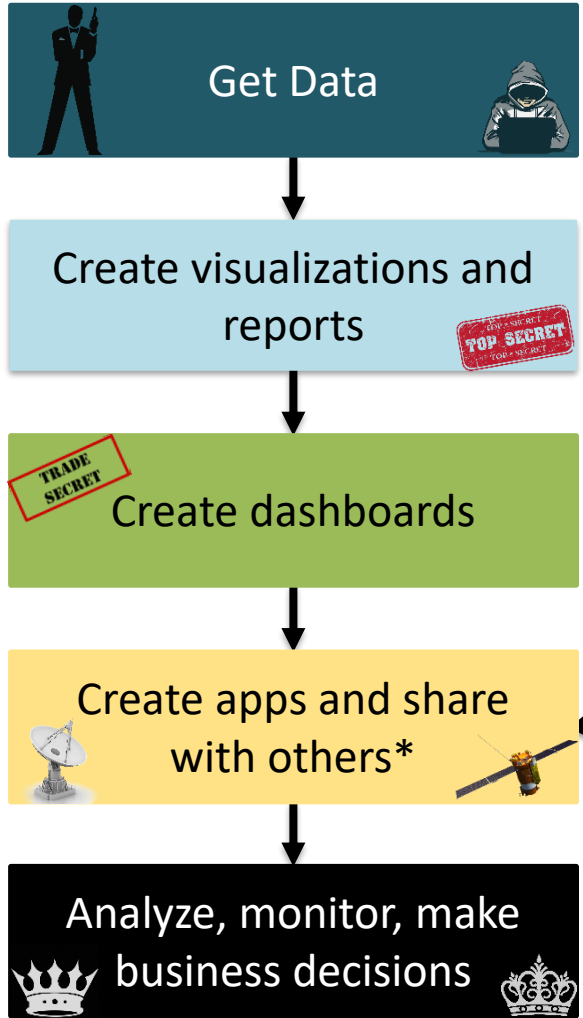
- Custom visuals

- PBIX files

What we do with this?

Get Data

Files, Azure and Others …

SQL Server, SAP, Oracle, …

Import

- Copy of data resides in .pbix file
- Small to medium source data
- Limit of 1 GB data per dataset
- Excel experience instead of importing is 250 MB per dataset
- Support all Data Sources and Transformations
- Support Q&A

Direct Query

- No data is imported into Power BI Desktop
- Large Data Base
- No limitation of 1GB data size
- All table must be from same database
- Does not support Q&A
- Limit of 1 million rows on returned dataset

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What we do with this?

Get Data

Create visualizations and reports

Create dashboards

Create apps and share with others*

Analyze, monitor, make business decisions

*Publish to web is free others not

Power BI Pro
- Self-service and modern BI
- Collaboration, publishing, sharing, and ad hoc analysis
- Apps and App workspaces
- Analyze in Excel and Power BI Desktop

Power BI Premium
- Enterprise BI, big data analytics, cloud and on-premises reporting
- Advanced administration and deployment controls
- Dedicated cloud compute and storage resources
- Allow any user to consume Power BI content.

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DEMO

Power BI Desktop

What I think about Power BI Desktop

- It's a great product
  - Support several data sources
  - Unlimited reports and dashboards

- Well is a Freemium
  - Free to use
    - https://powerbi.microsoft.com/en-us/desktop/
  - But with premium options

- This business model that is not new
  - Is a pricing strategy since the 80's like free-to-play.

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What is Power BI Service

- Is a cloud-based business analytics service

- Sharing and collaboration
  - A subscription is required

- Access anywhere, on any device

- Real Time dashboards with Data streaming
  - Azure Stream Analytics (ASA) and Azure Machine Learning

- Integration with Azure services
  - Azure Machine Learning for Predictive analytics
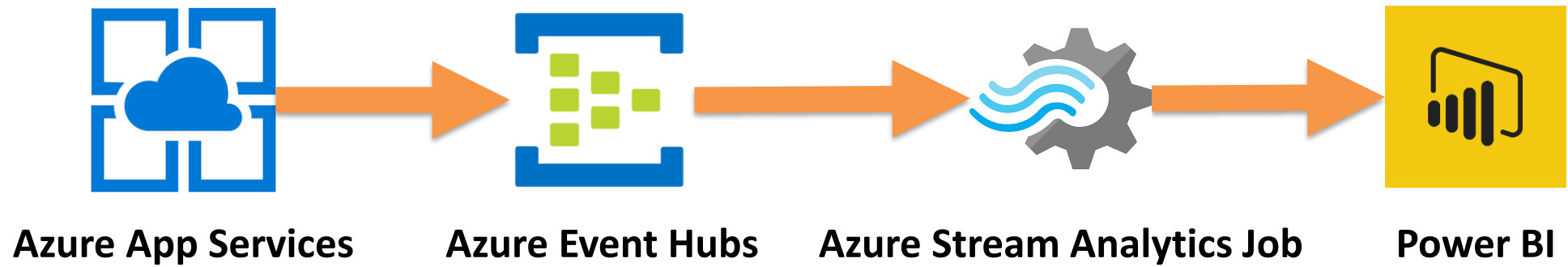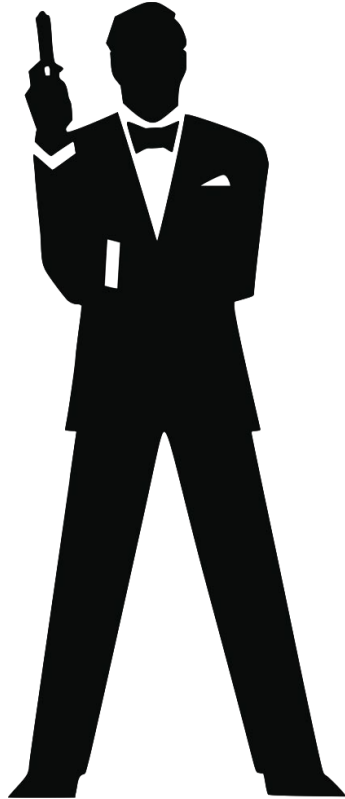 - Azure HDInsight for Big Data processing

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DEMO

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Demo Architecture

Azure App Services → **Azure Event Hubs** → **Azure Stream Analytics Job** → **Power BI**

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Q & A time

KEEP
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AND
ITS TIME FOR
QUESTIONS

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Thank You!

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The images used are available in www.kisspng.com and www.pngfly.com.

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