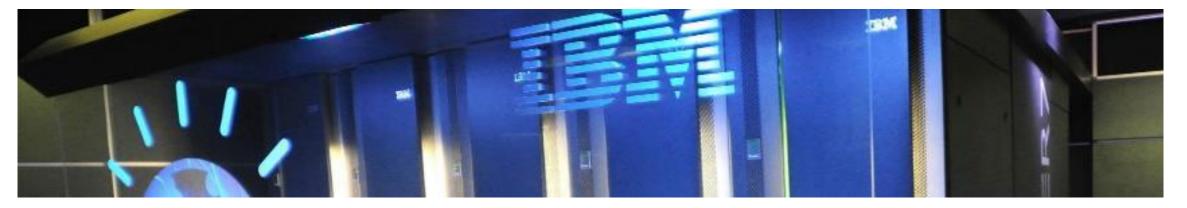


IBM Data Virtualization Manager in Detail + Demo

Atlanta DB2 User Group Meeting

December 7, 2018

Milan Babiak Client Technical Professional, Analytics on Z Systems North America IBM Canada Milan.Babiak@ca.ibm.com





- **1. Data Processing in Historical Perspective**
- 2. Hardware and Software Modernization
- 3. Data Processing Challenges and Needs
- 4. IBM Data Virtualization Manager (DVM) Solution
- 5. IBM Advanced Analytics for z/OS Integrated Solution

Q & A

SUMMARY



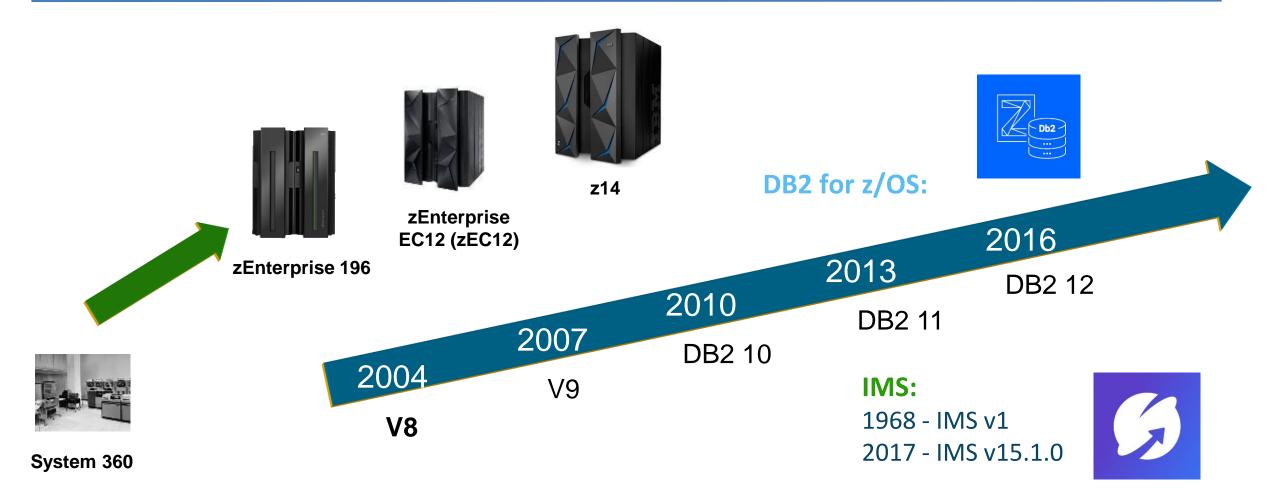


IBM System 360 1964 **IBM IMS** 1968 **VSAM 1970s ADABAS** 1971 **SMF/RMF** system data **1980s** DB2 for z/OS 1983 **DB2 UDB LUW** 1993

Increasing volume of valuable enterprise data

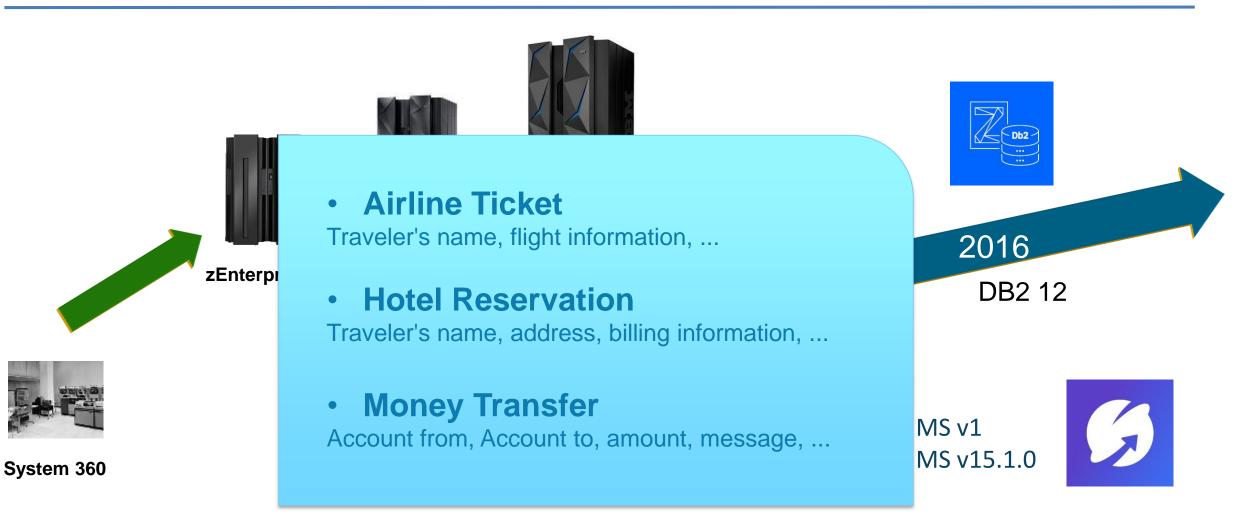
Hardware and Software Modernization





Increasing computing power and functionality

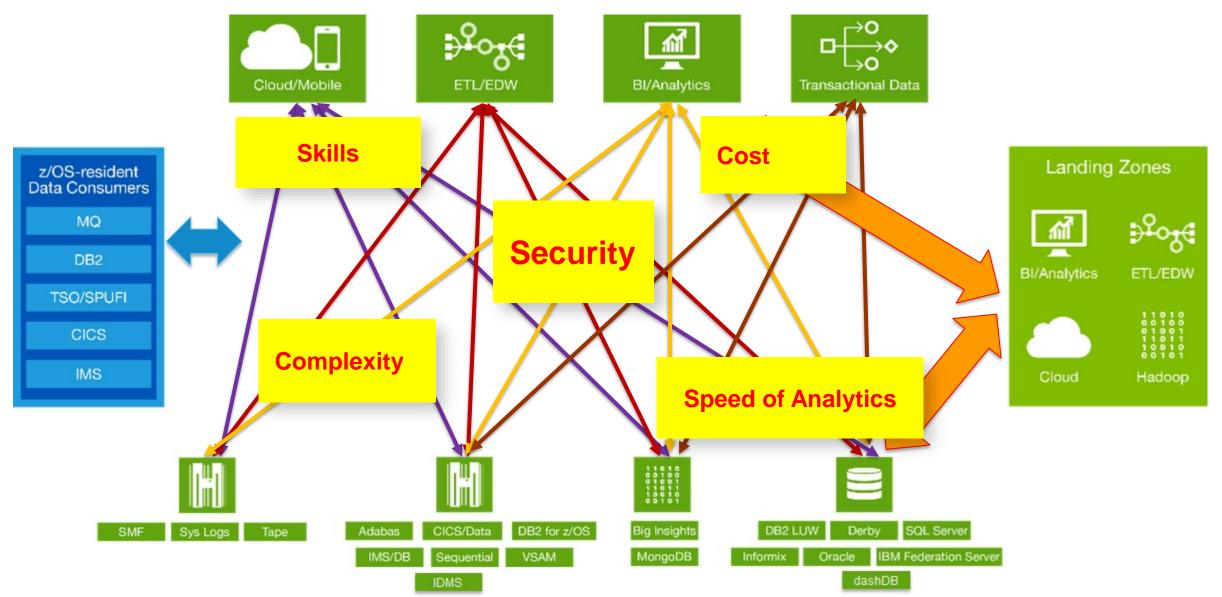




The nature of data remains, format and usage grows with business needs

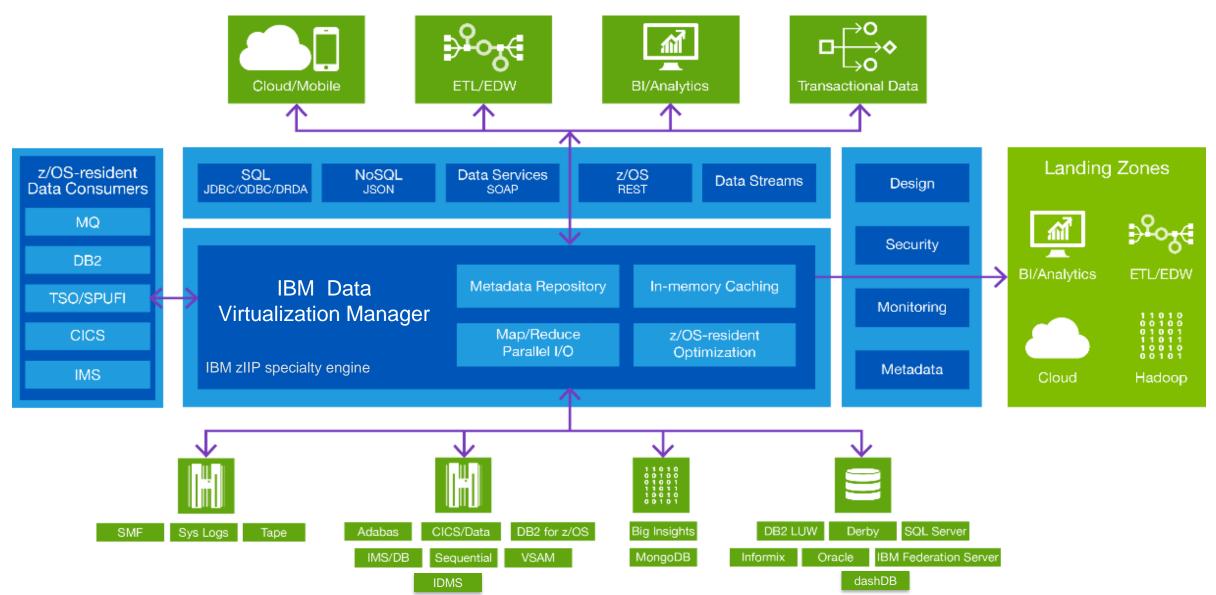


Data Processing Challenges

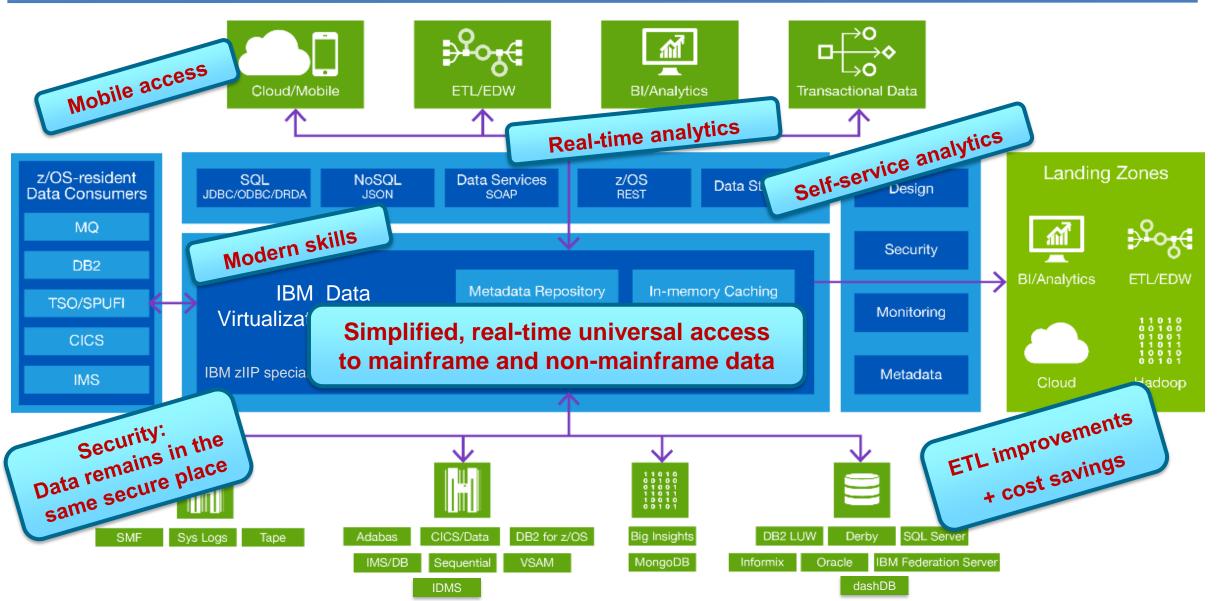




IBM Data Virtualization Manager Solution



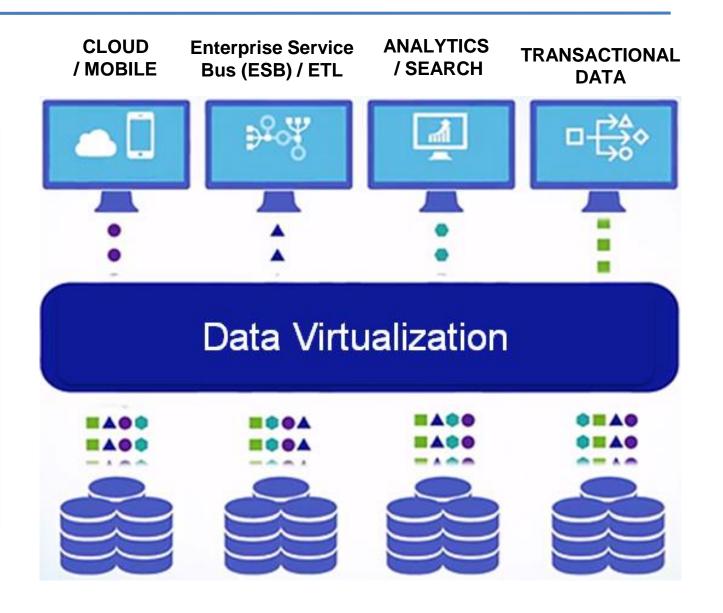
Needs and Challenges addressed by Data Virtualization Manager



IEM 🕅



Enabling data structures that were designed independently, to be leveraged together, in **real time**, and **without data movement** (no need for Extract, Transform and Load - ETL)





- Denodo
- Informatica
- SAP

- Red Hat JBoss
- Oracle

Cisco

- IBM
 VMWare
- Amazon Web Services (AWS)
 TIBCO

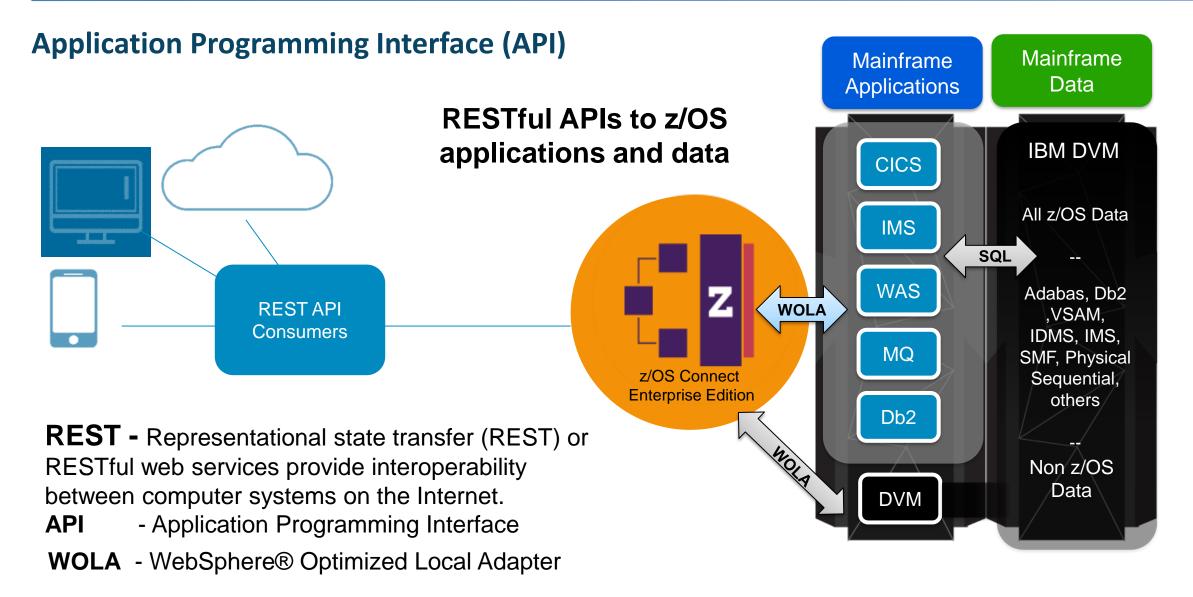


Mainframe Value Proposition for Data Virtualization Manager



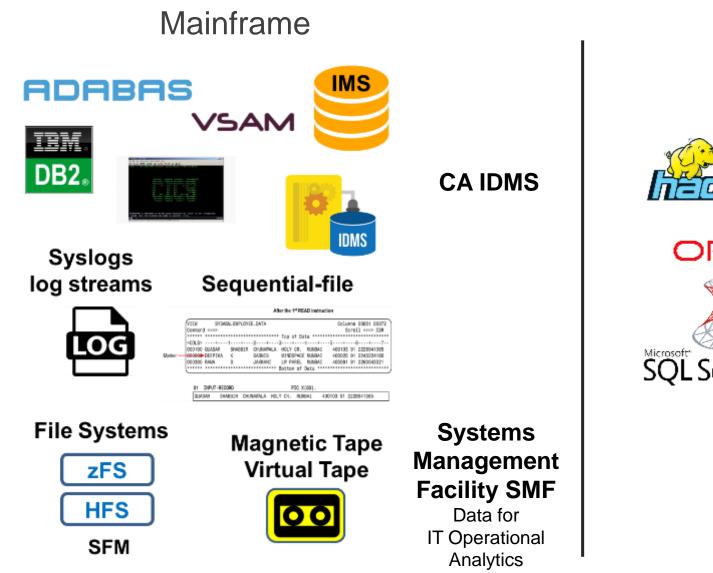


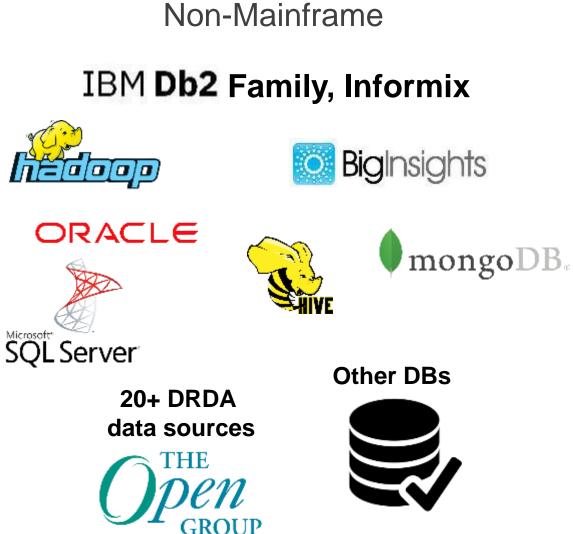
IBM z/OS Connect EE and DVM - APIs to mainframe data





IBM Data Virtualization Manager: ~ **37 supported data sources**







Production Customer: Self-service Analytics for Investment Advice

Simplification

Real-time direct access to data instead of FTP'ing or replicating data to a myriad of locations

Scalable data access

Ability to scale to more than 5 billion ADABAS SQL calls per month

Enhanced Developer Productivity

Focus on adding new web functionality without having to change the data source.

Solution Components

Software:

• IBM® Data Virtualization Manager for z/OS

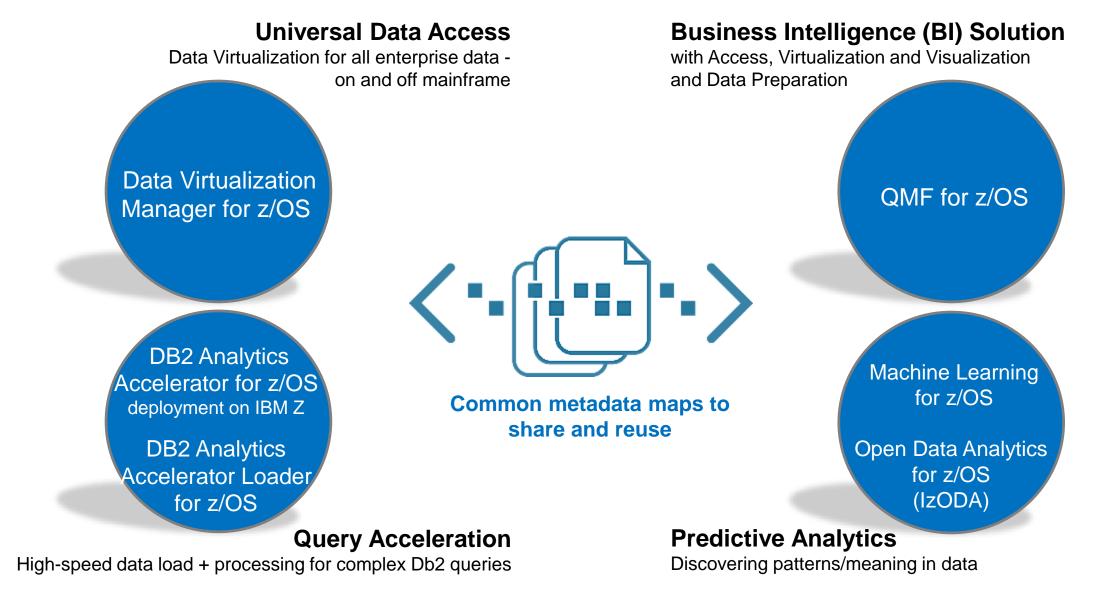








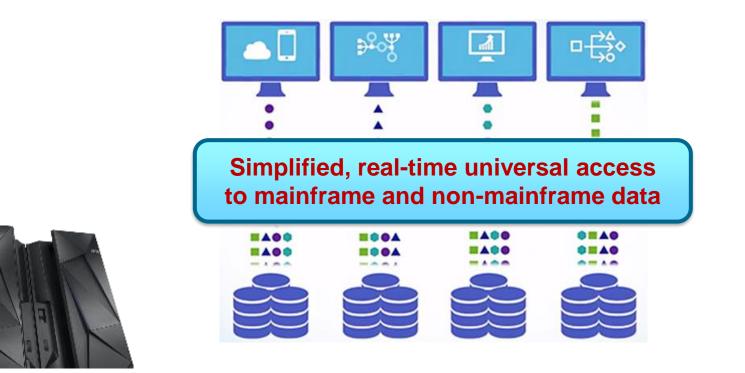
IBM Advanced Analytics for z/OS - Integrated Solution







IBM Data Virtualization Manager for z/OS













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Questions





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