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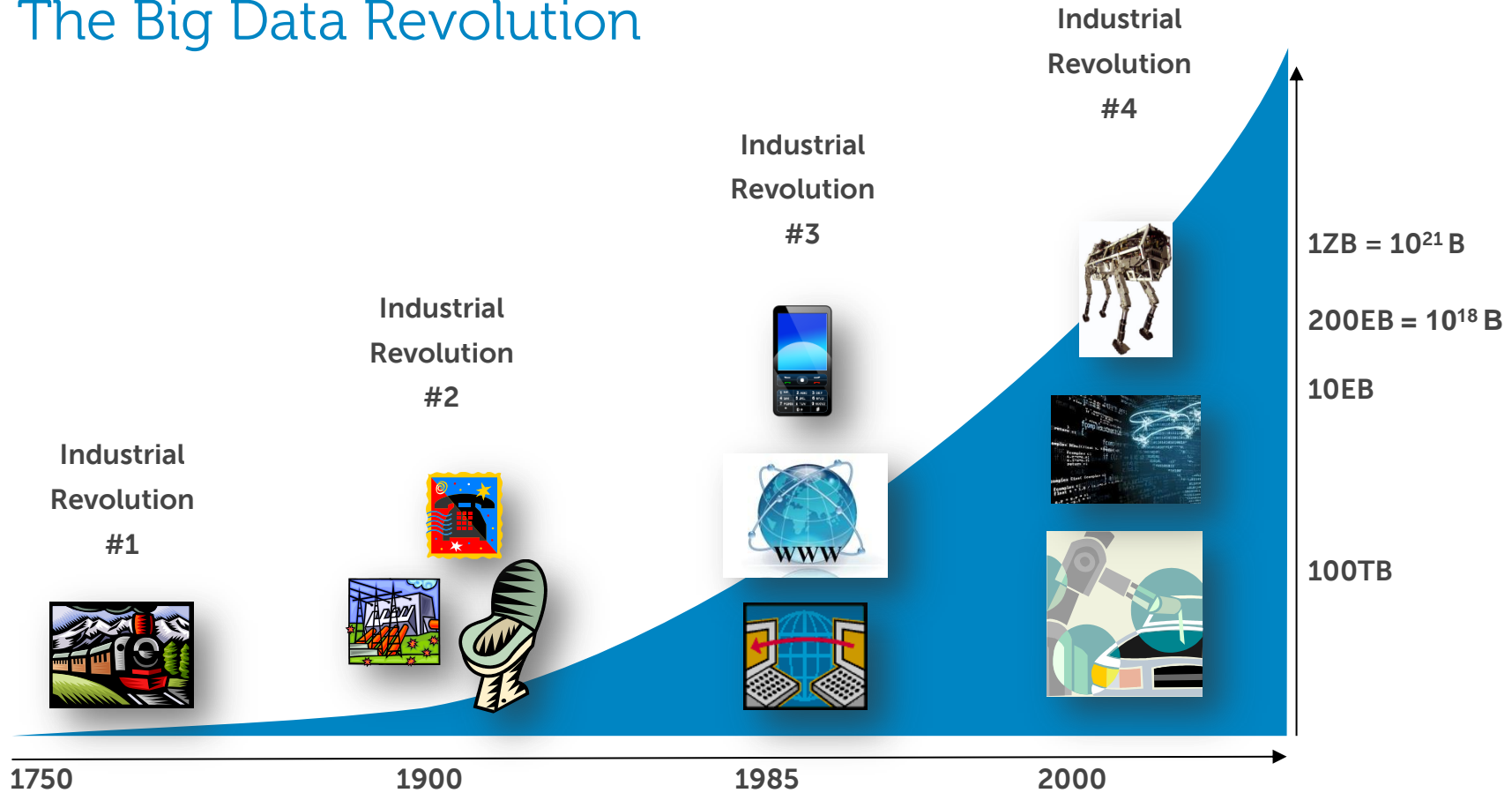
# Big Data Publishing Challenges and Opportunities



# The Impact of Big Data



# The Big Data Revolution



# Data is being **created and consumed** at a rapid pace

**\$232 Billion**

dollars will be spent on Big Data through 2016

**70%**

of data is created by individuals. Enterprises are responsible for storing and managing 80% of it.

**247 Billion**

emails are sent everyday. 80% are spam

**4.4 Million**

IT jobs globally will be created to support big data. Only 1/3 will be filled.

**\$600 Billion**

dollars in waste annually for bad data or poor quality data

**48 Hours**

of video are uploaded to YouTube every minute, resulting in 8 yrs of content daily

**37.5%**

of large organizations said that analyzing big data is their biggest challenge

**2.8 Zettabytes**

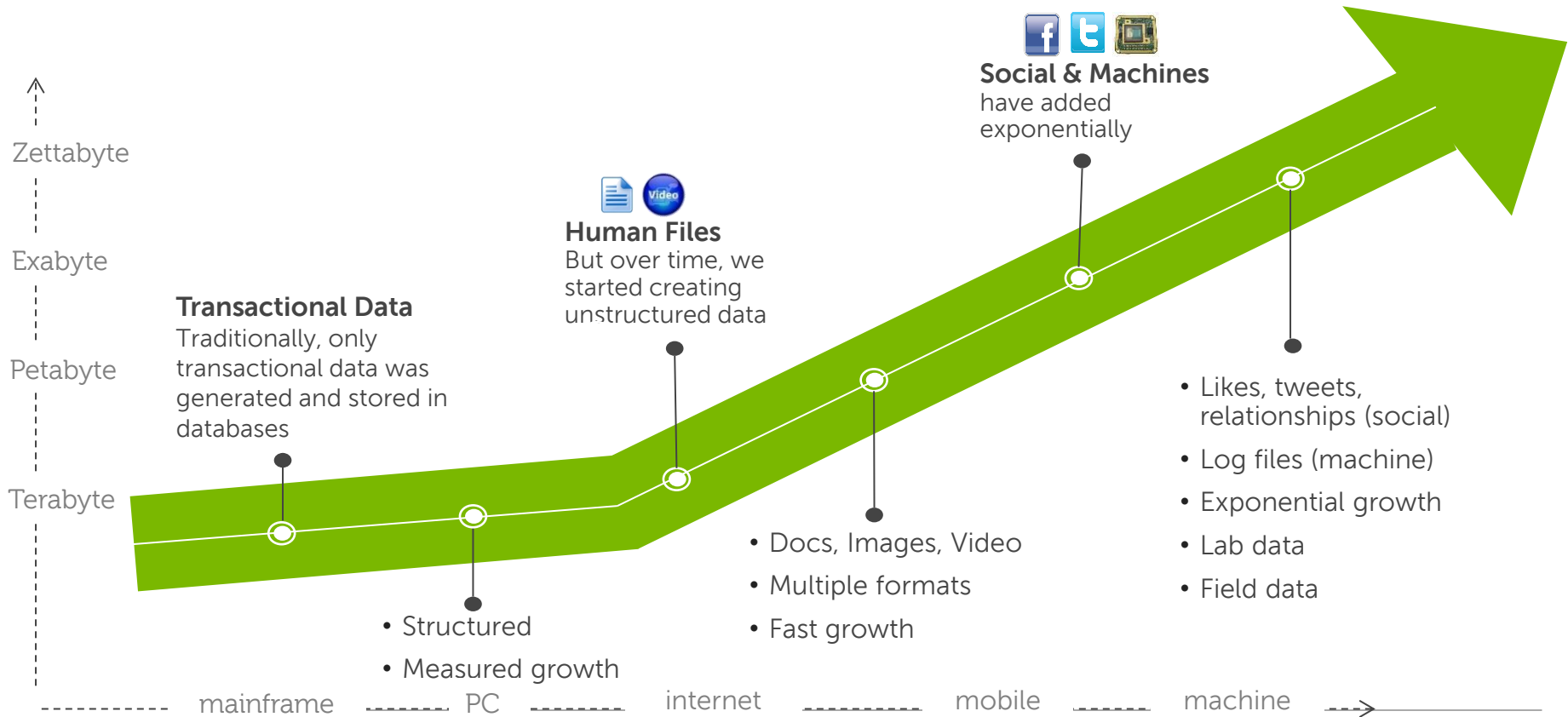
of data created and replicated in 2012

**100 Billion**

RFID tags estimated to be sold in 2015



# Most data growth is non-traditional data types



Data  
Publishing  
meets Big  
Data  
Publishing



# Data Publishing Principles

- Interoperability
- Persistence
- Unique Identification
- Provenance and Verifiability
- Access
- Attribution



# Big Data Publishing Challenges

- Data Momentum: data is hard to move
- Data Gravity: ecosystems of solutions grow up around data IFF it is persistence and reliable
- Metadata standards don't exist, are weak, or are inconsistent across all the varied data types

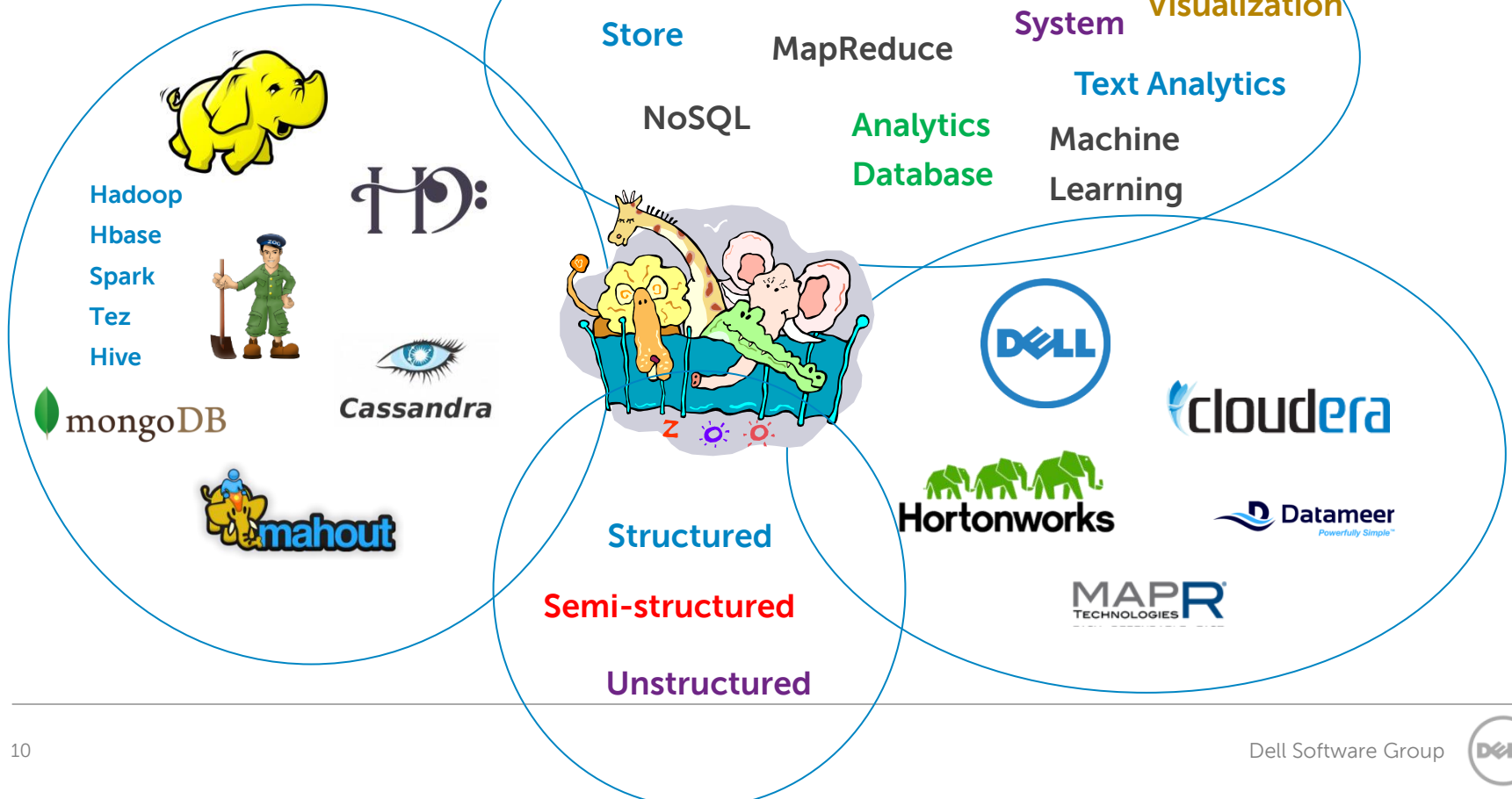


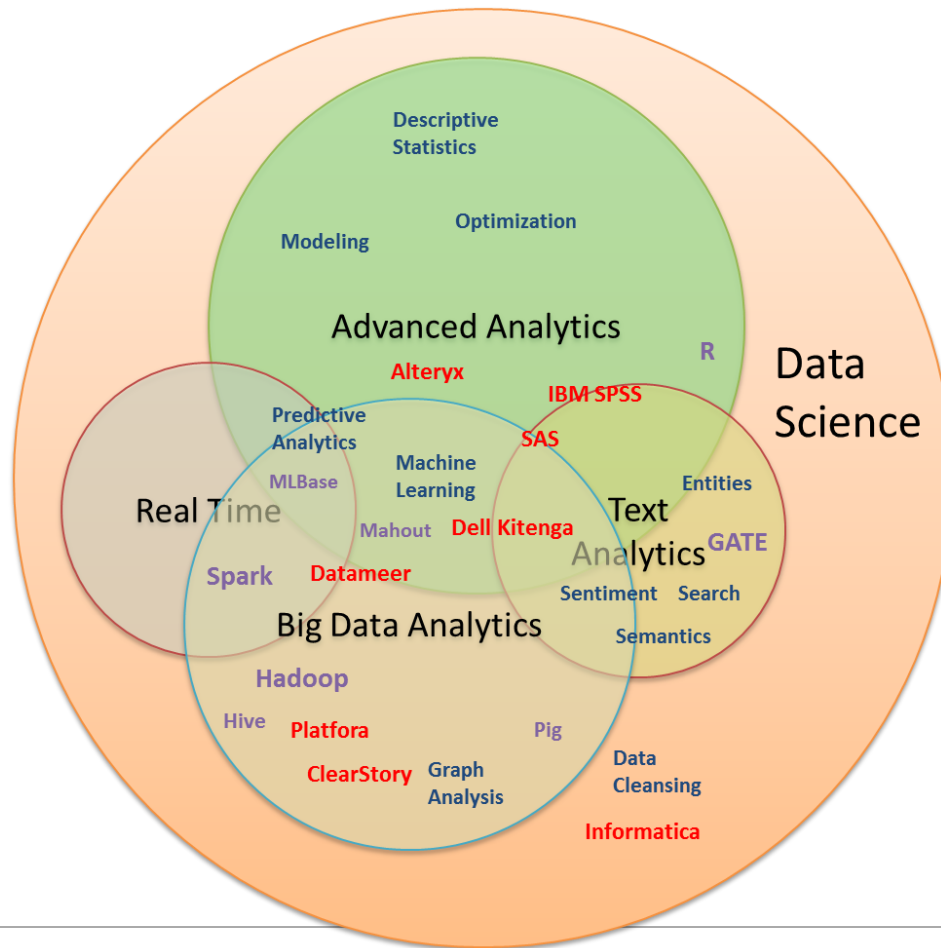


# Terms and Technologies



# The Big Data “Zoo”





Open Source

Vendor

Capability



Thanks