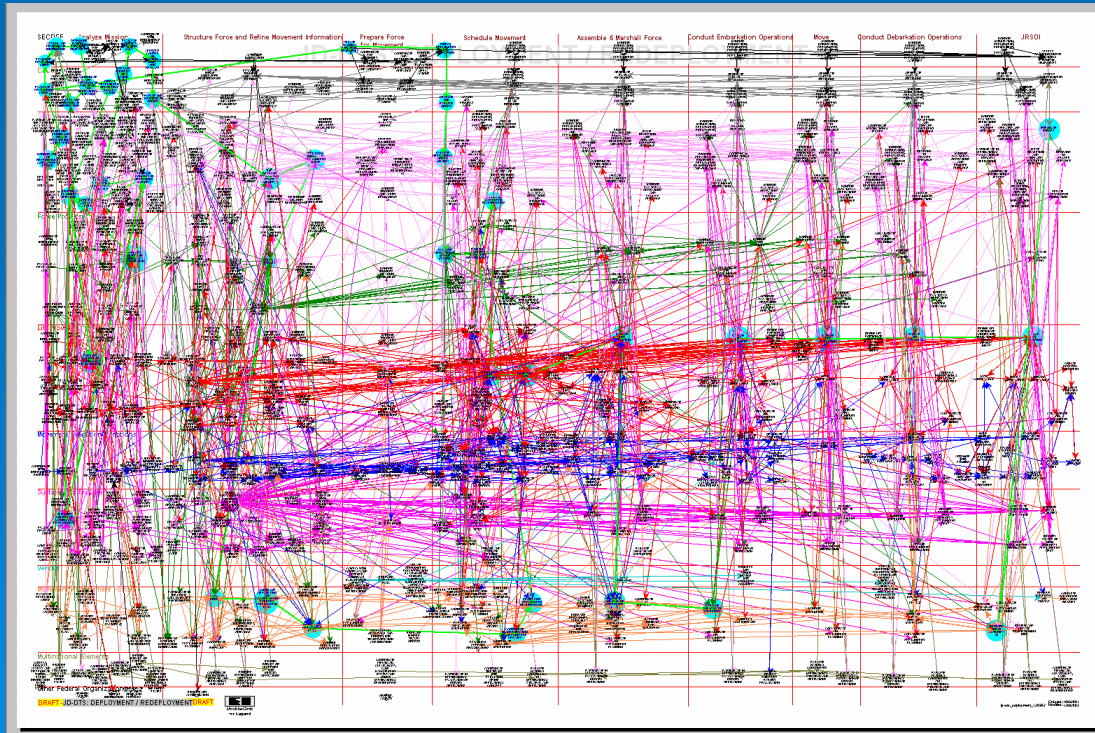


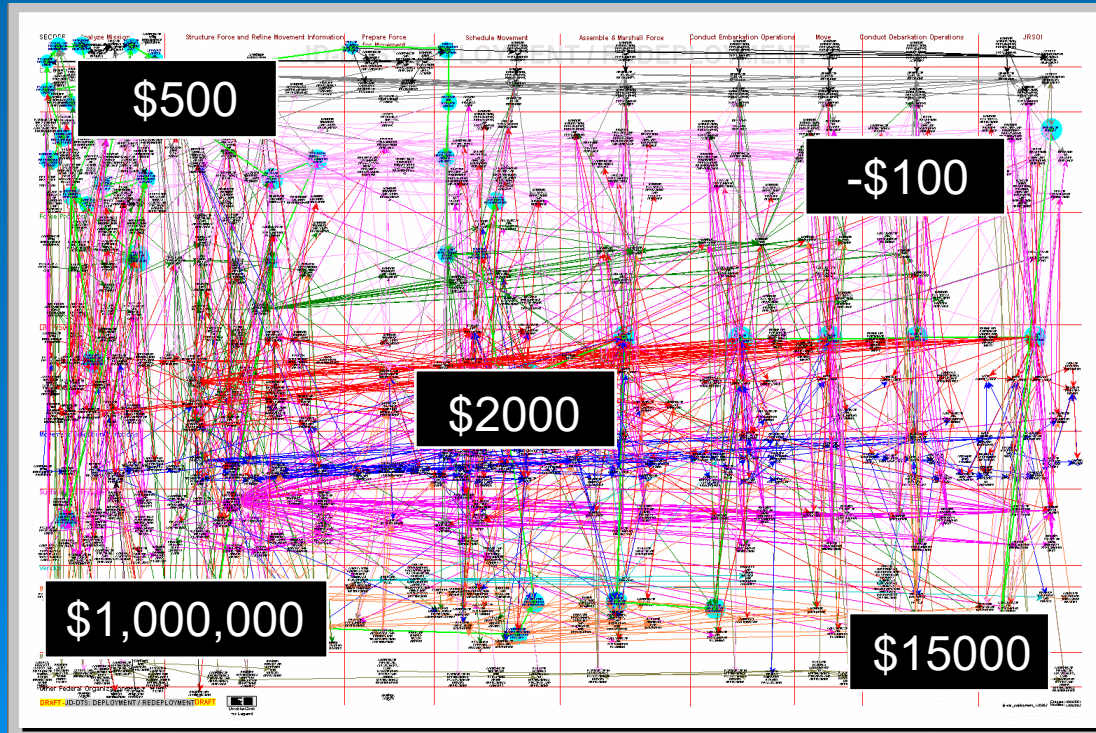
A BRIEF HISTORY OF DATA WAREHOUSE

A presentation by
W H Inmon



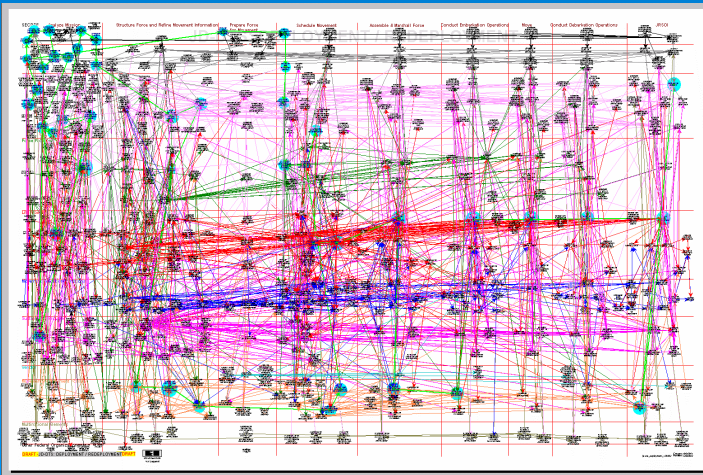


In the beginning were spider web systems....

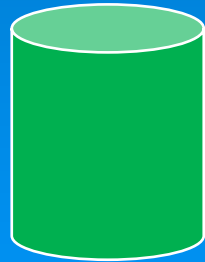
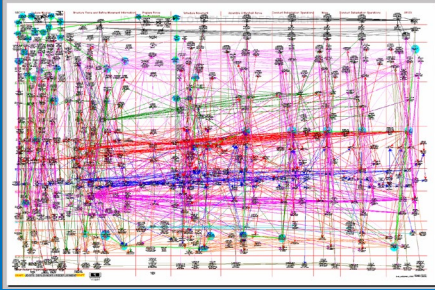


What number should I use to make a decision on?

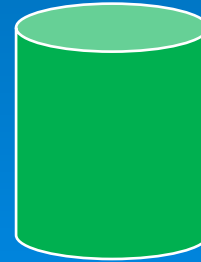
Throwing gasoline onto the fire



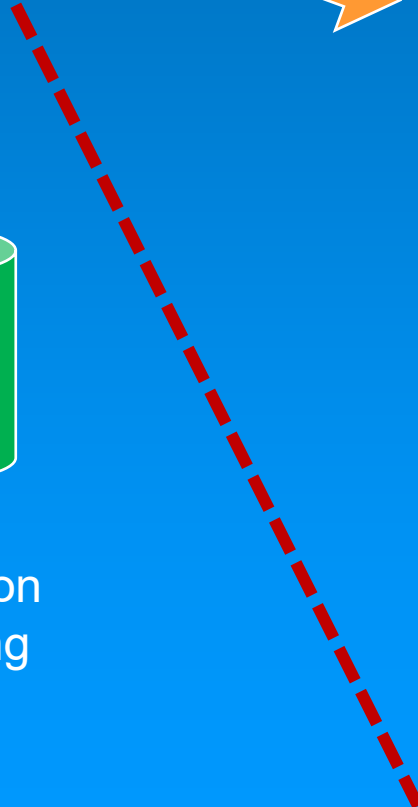
More consultants
More hardware
More software



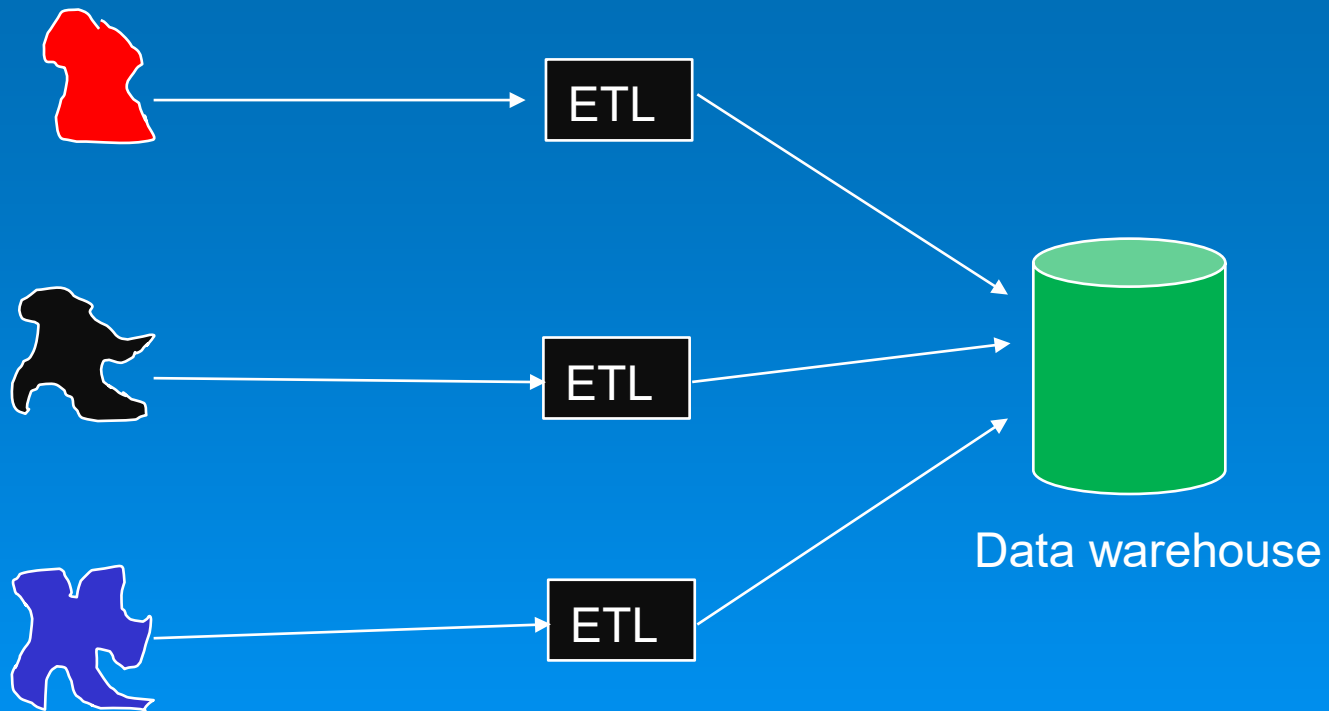
Online
Transaction
Processing



Data warehouse –
subject oriented
integrated
non volatile
time variant
collection of data in support
of management's decisions



Legacy applications



Data warehouse was greatly enhanced by the advent of ETL

Application data



Gender

Appl ABC – m/f

Appl BCD – male/female

Appl CDE – 1/0

Appl DEF – x/y



Currency

Appl ABC – US\$

Appl BCD -Australian\$

Appl CDE -Canadian\$



Measurement

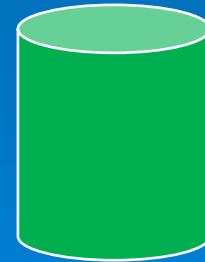
Appl ABC – inches

Appl BCD – yards

Appl CDE – feet

Appl DEF - cms

Corporate data



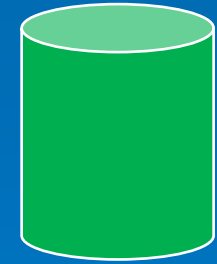
Gender- m/f

Currency – US\$

Measurement-cms

Data warehouse

Data warehouse



Marketing, sales

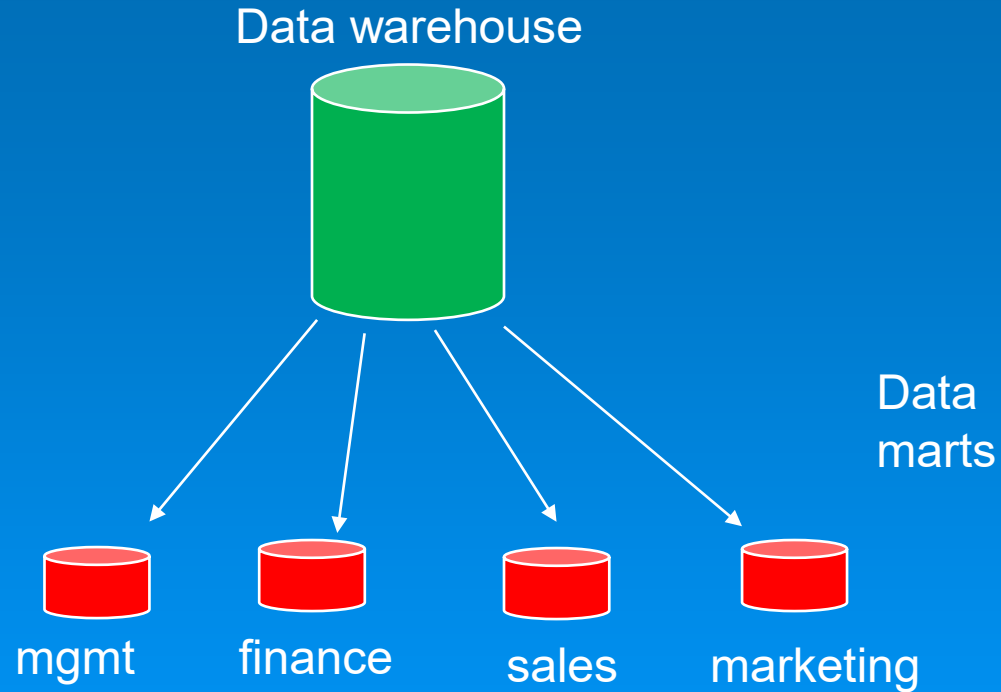


The building and management of data warehouse shifted from the business person to the technician

technician

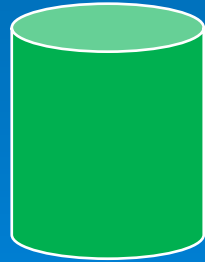


Single version of the truth

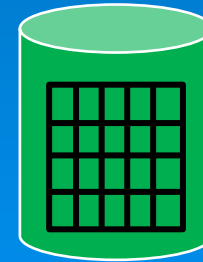


Soon there were data marts

Data warehouse

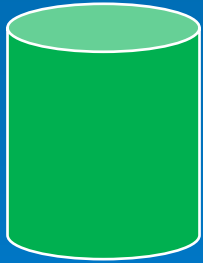


A variant form of the data warehouse is the data vault



Data vault

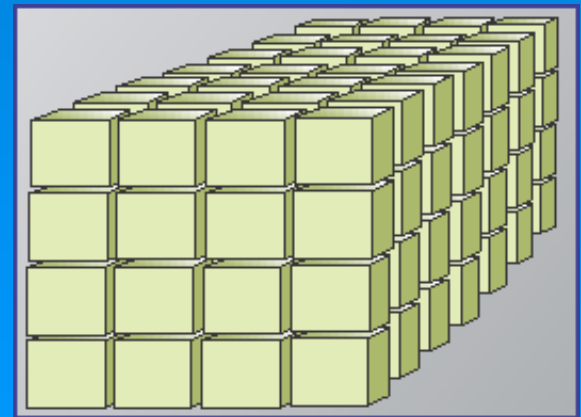
Data warehouse



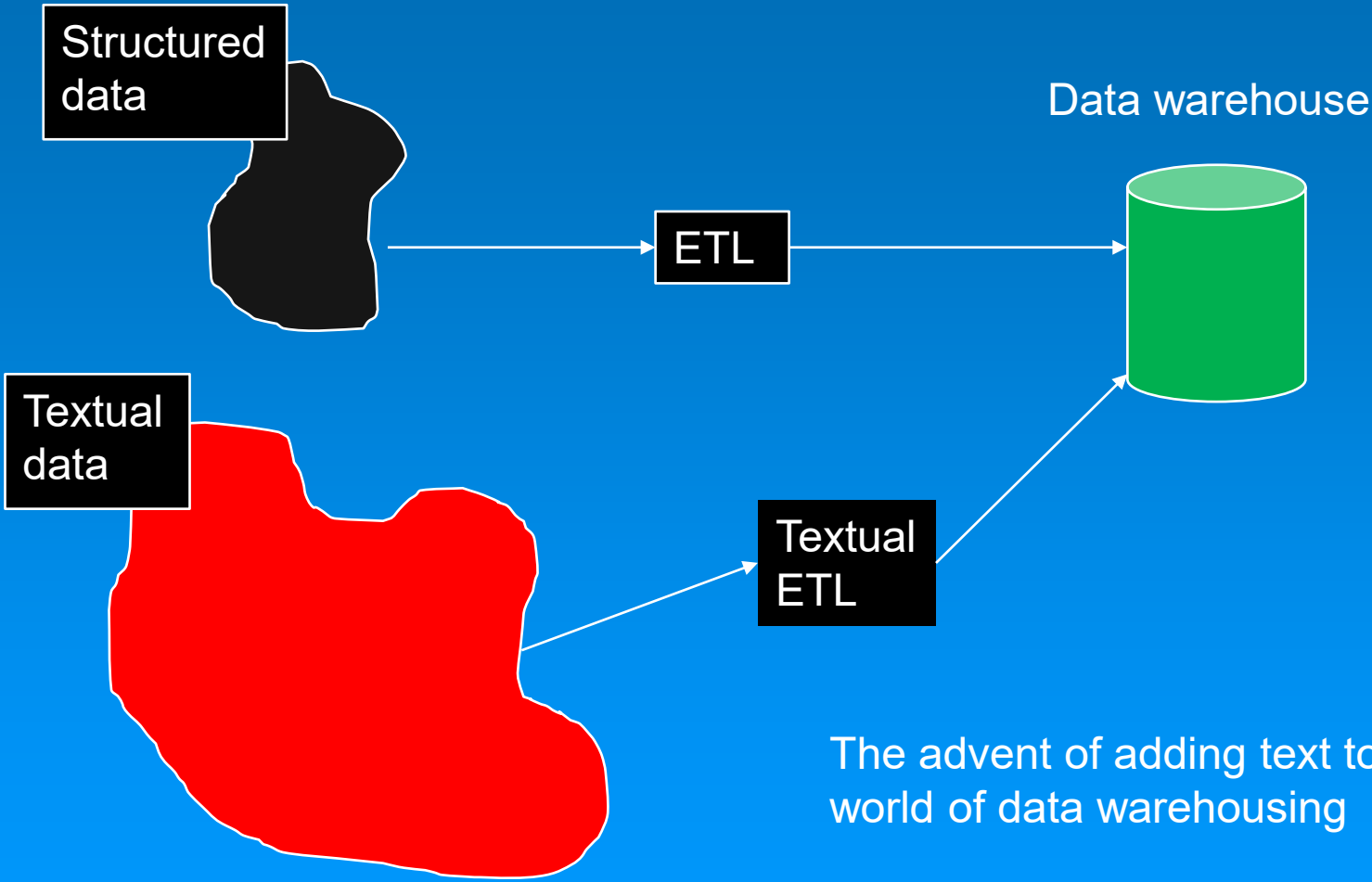
An architecture

Big Data enhanced the volume of data that a data warehouse could store

A technology



Big Data



The advent of adding text to the world of data warehousing

text



Analog/IoT



transactions



text



Analog/IoT

transactions

An avalanche of data

