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# Why Oil & Gas IT systems have failed – and how to fix it

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# Goal for Today

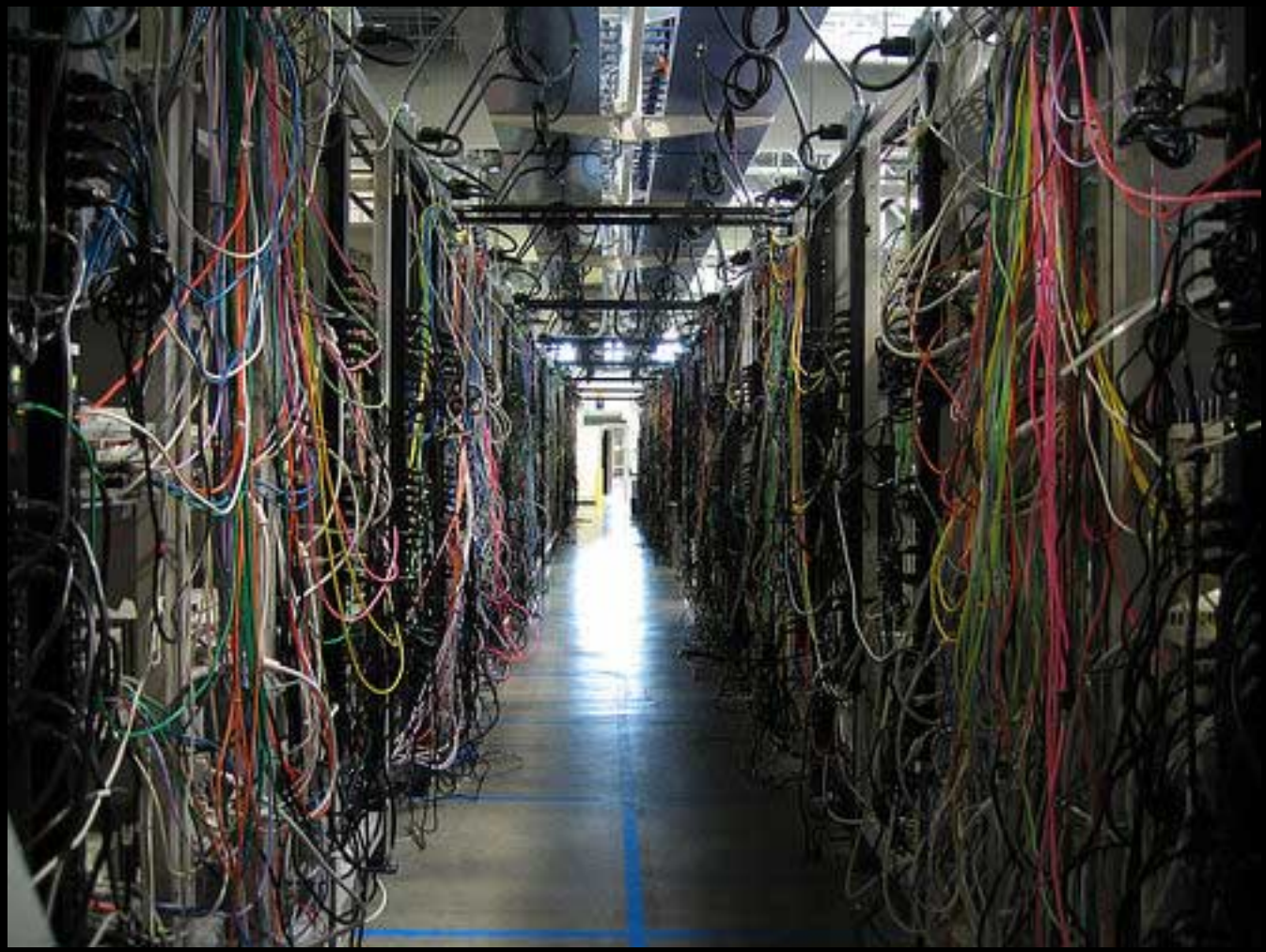
DISAGREE

TO

DISAGREE

*All views expressed are mine* ☺

# It’s a bit of a mess (if we are honest)



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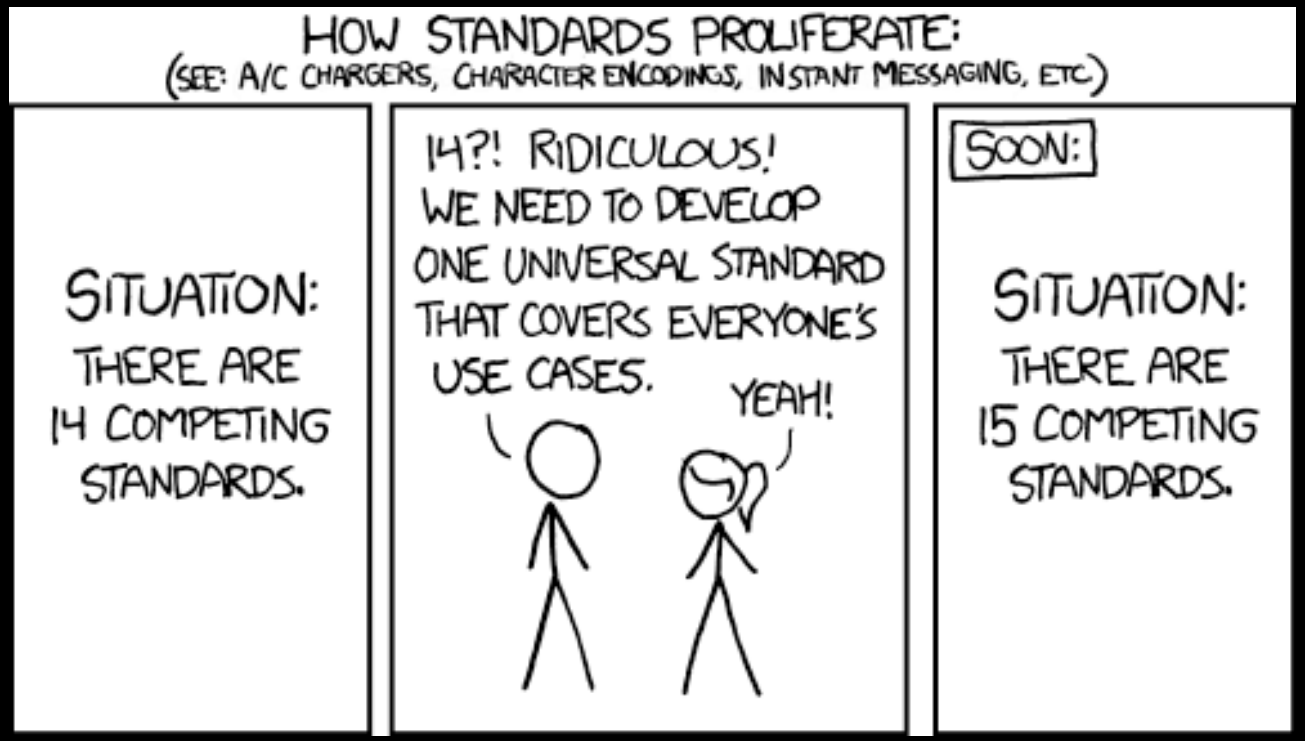
# For example…




*Source: XKCD*

# Buzzword bingo…

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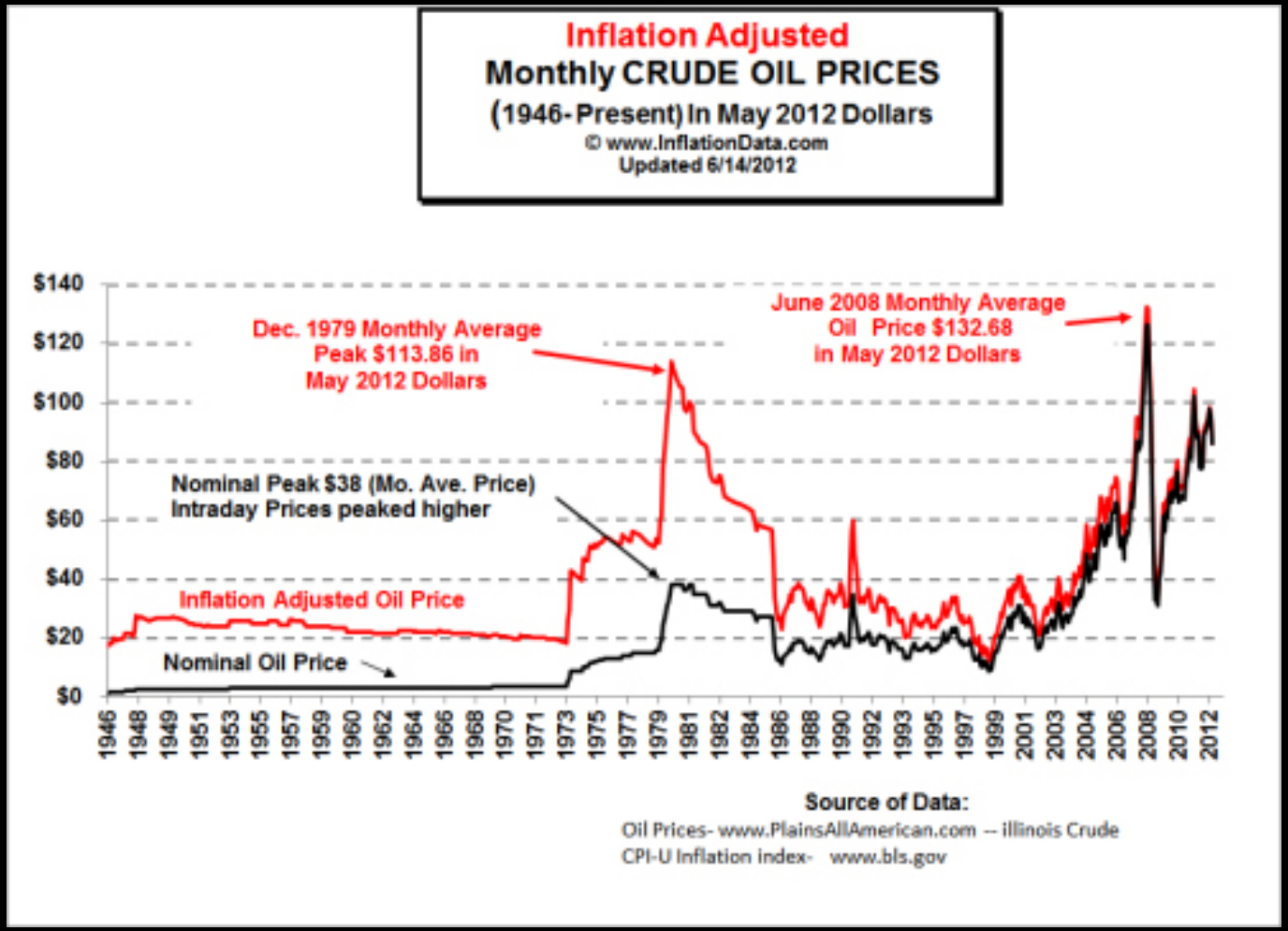
# Consumer experience at work

# Remote monitoring

# How did we get here?

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# Where the is a gap…

# Leading to a world dictated by salespeople

READY-MADE VENDOR-CENTRIC SOLUTIONS

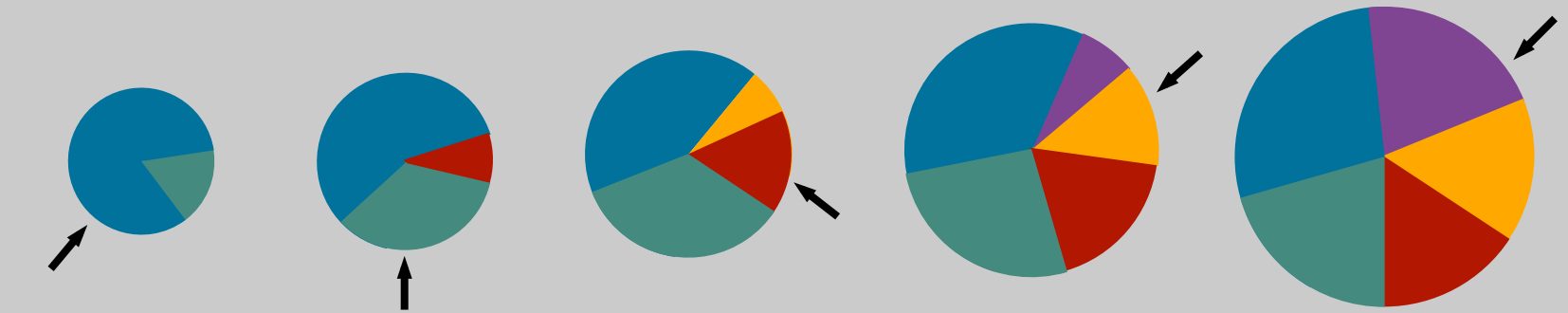
COTS

# What is needed?

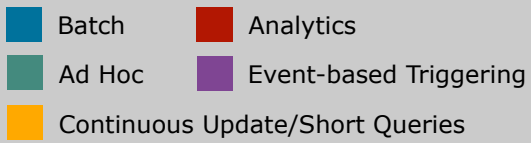
Better insight
More fact-based decisions
New workflows

# What is needed?

| STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 | STAGE 5 |
|---|---|---|---|---|
| REPORTING | ANALYZING | PREDICTING | OPERATIONALIZING | ACTIVE WAREHOUSING |
| **WHAT** happened? | **WHY** did it happen? | **WHAT** will happen? | What **IS** happening? | What do I **WANT** to happen? |

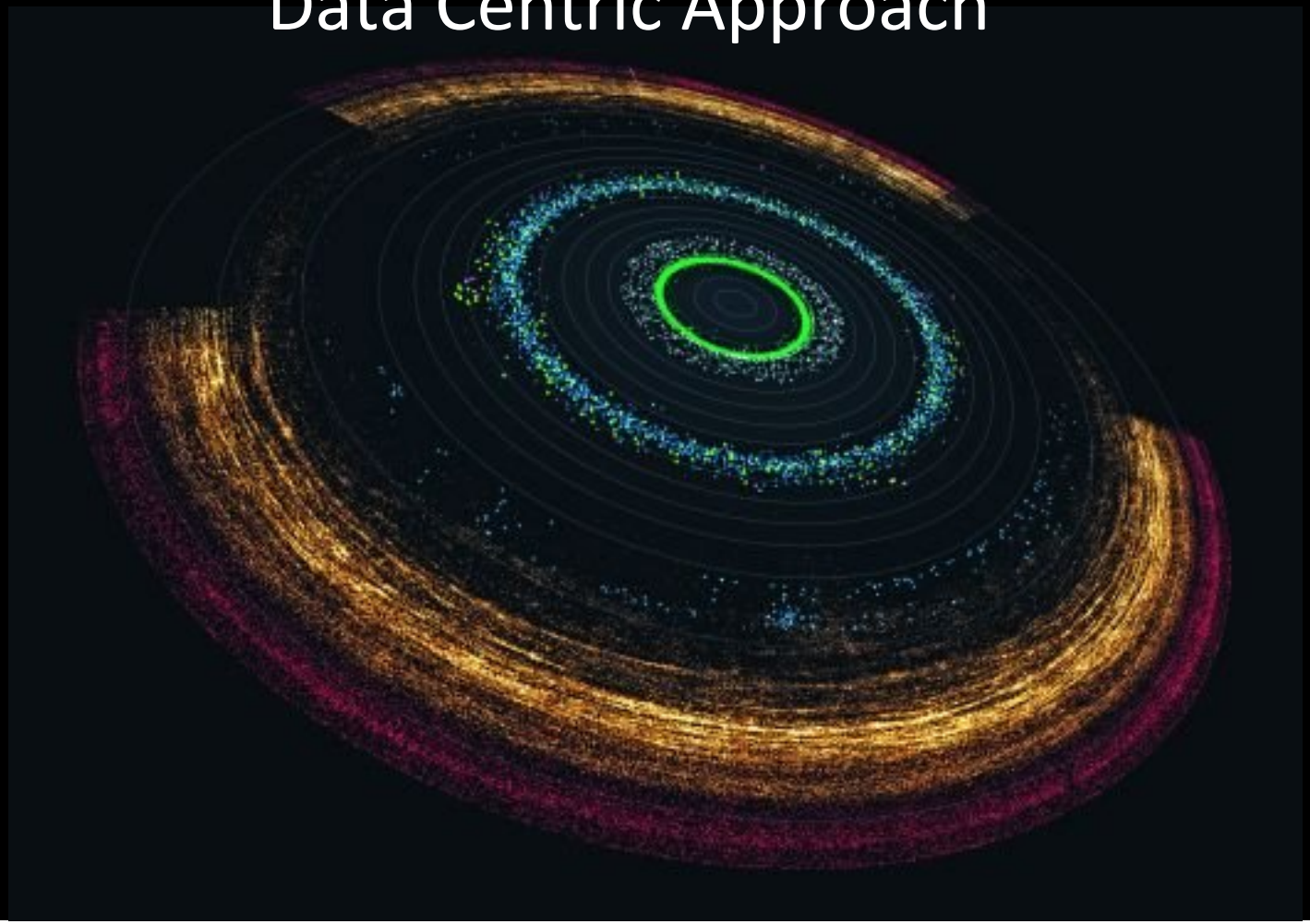


| Primarily Batch with Pre-defined Queries | Increase in Ad Hoc Queries | Analytical Modeling Grows | Continuous Update and Time-Sensitive Queries Gain Importance | Event-based Triggering Takes Hold |
|---|---|---|---|---|

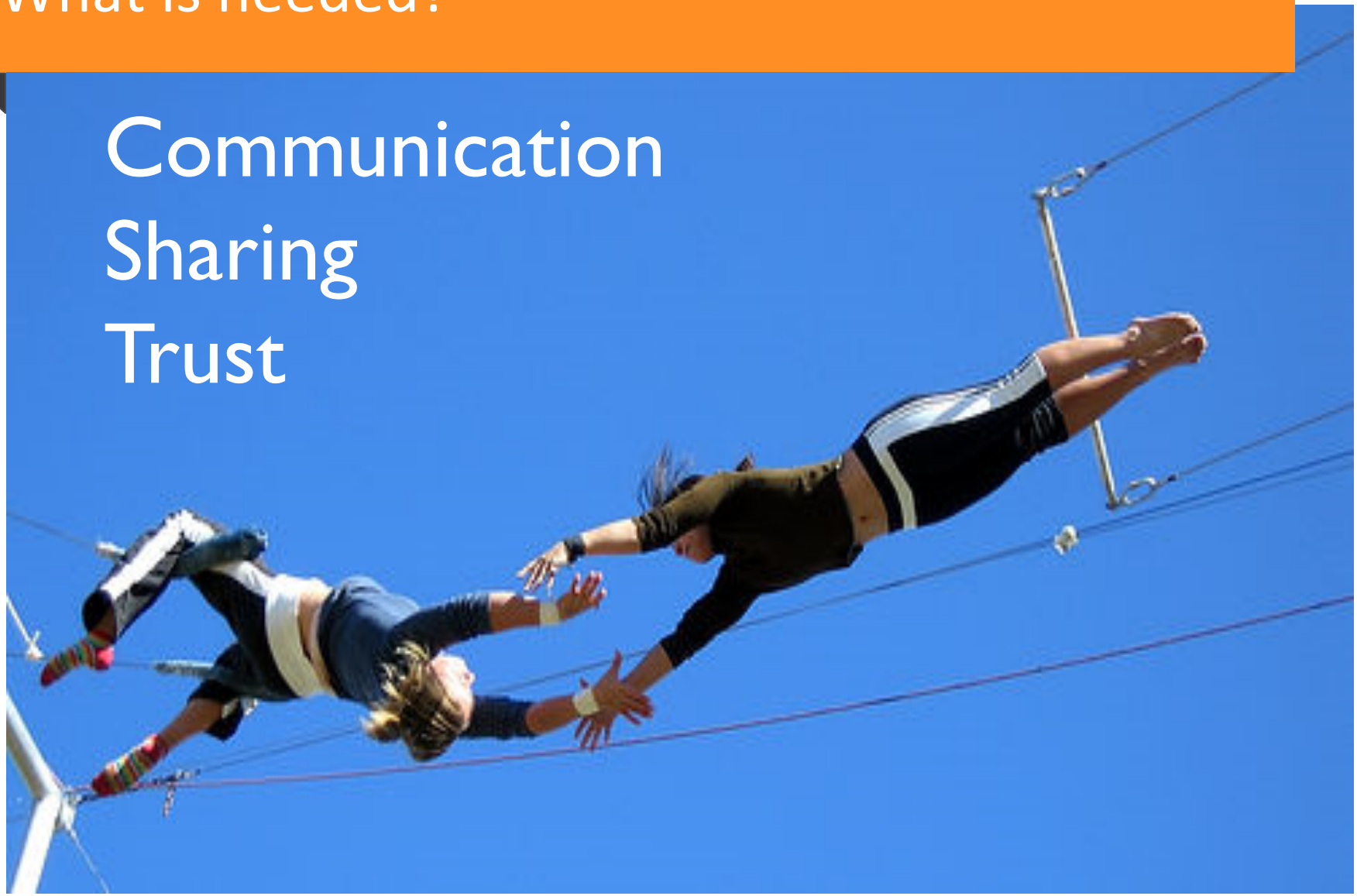


# What is needed?

## Data Centric Approach

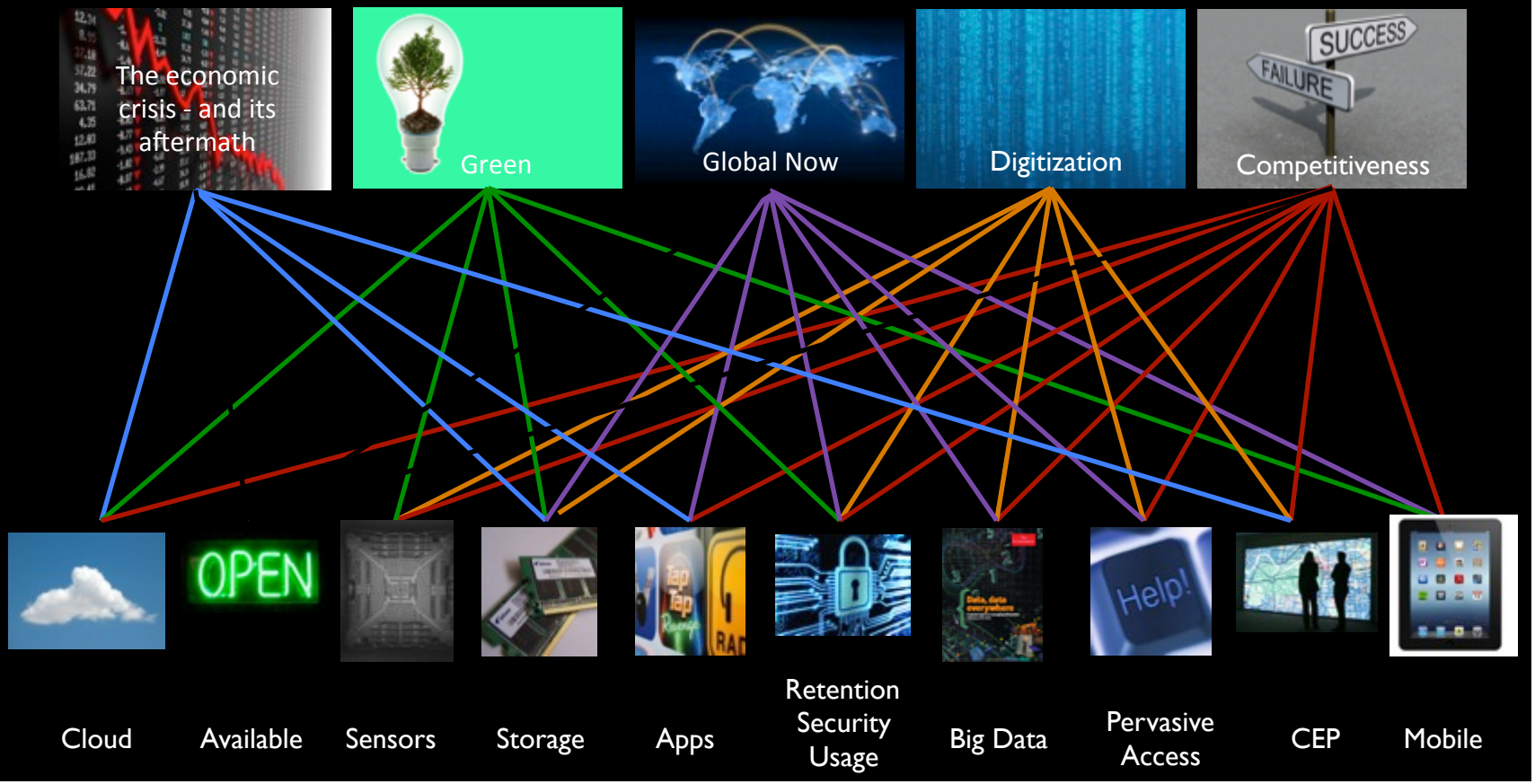


# What is needed?



# What is needed?

## Technology as an enabler

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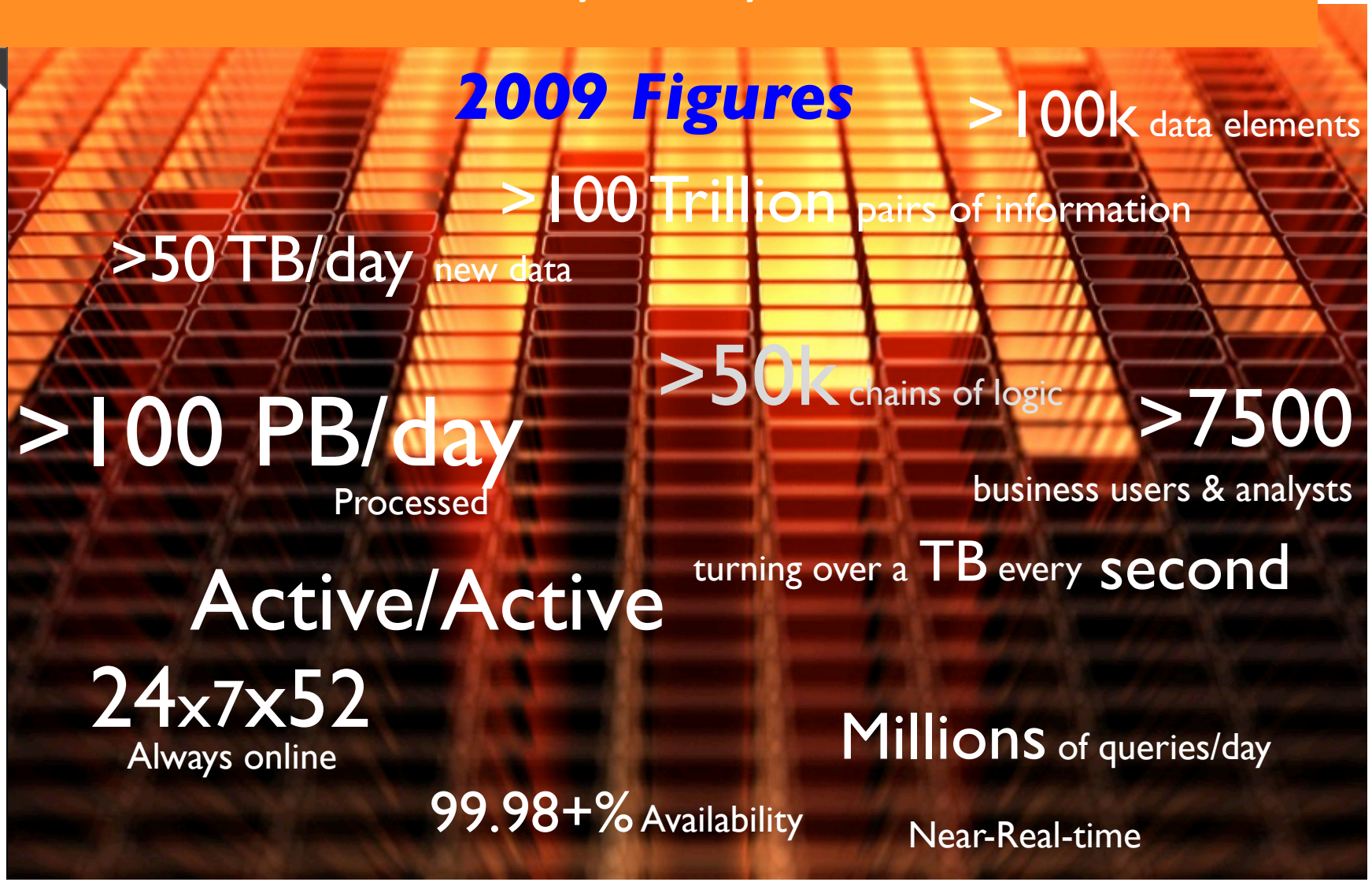
# Size can matter - eBay Analytics

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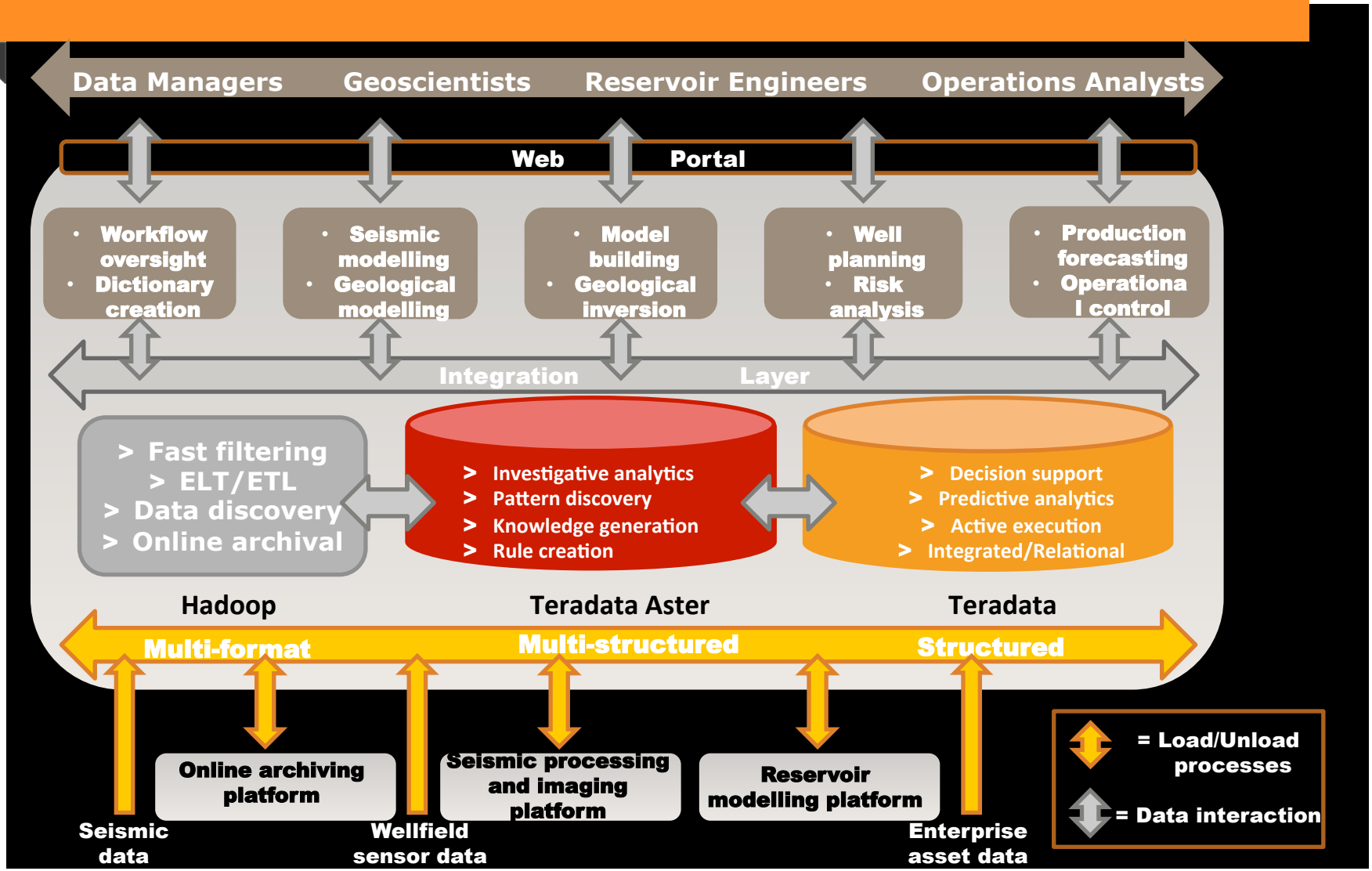
# What is available today?

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*"..this is not the end. It is not even the beginning of the end. But it is, perhaps, the end of the beginning..."*

***Winston Churchill (1874-1965)***