

## DATA SCIENCE

#### THE DATA LAKE DREAM

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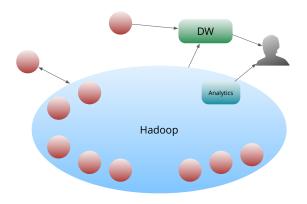
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# WHAT IS A DATA LAKE?

### A scalable, accessible repository of data

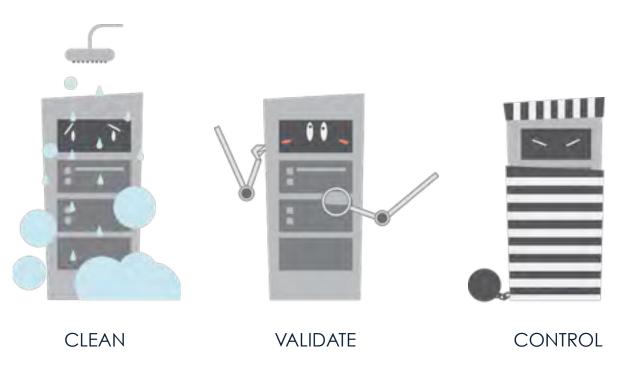


(in its natural or processed state)



#### **CONVENTIONAL DATA STRATEGY**

"WHAT YOU DO **TO** DATA"





**PROTECT** 



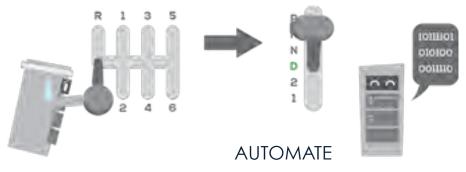
#### **MODERN DATA STRATEGY**

"WHAT YOU DO WITH DATA"

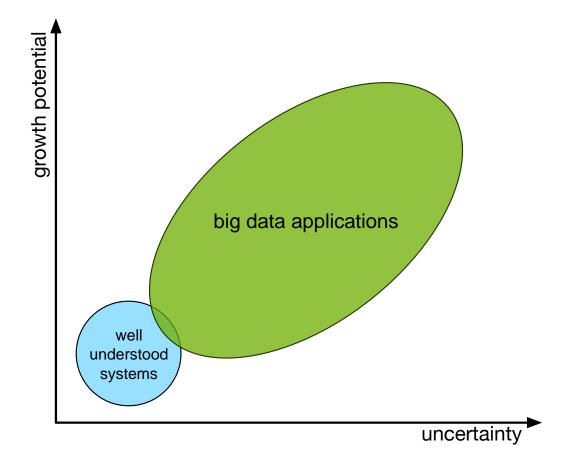




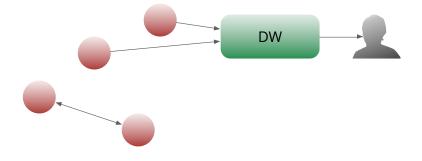
TARGET VIP CUSTOMERS



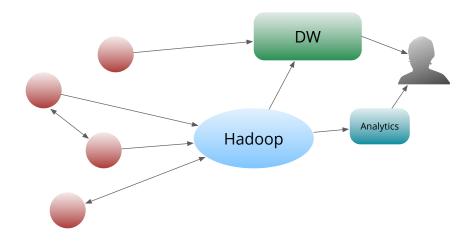




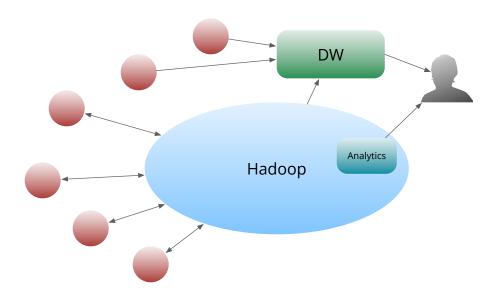




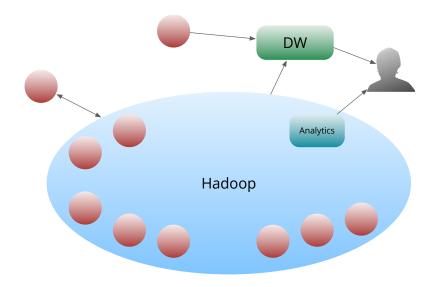






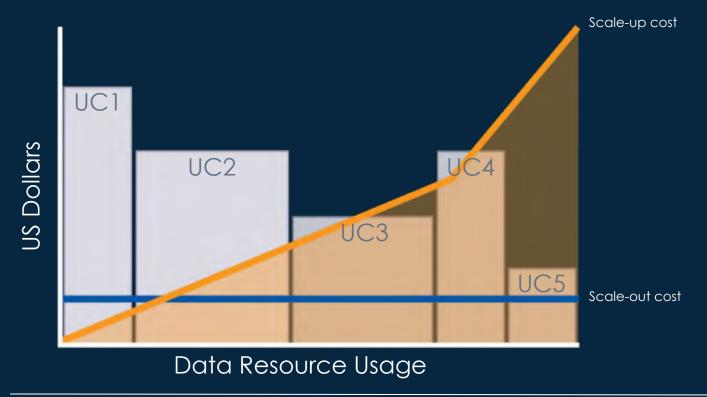








#### **UP** vs. OUT — Enterprise Edition



Different use cases put different demands on the data infrastructure.

Increasing cost per unit of capability from scale-up architectures causes rationing of resources.
Only the most valuable use cases are pursued.



#### THE DATA VALUE CHAIN

DRAW VALUE FROM YOUR STRATEGIC DATA ASSETS

Discover Ingest Process Persist Integrate Analyze Expose

















- Make it cheap
  - Failure as a feature
  - Ask good questions
- Make it quick
  - Both learning and adaptation
  - Enable the feedback loop
- Don't break things
  - Make operations a platform for innovation
  - APIs, platforms, simulation



#### THE EXPERIMENTAL ENTERPRISE

Data science allows us to observe our experiments and respond to the changing environment.

We need to both support investigative work and build a solid layer for production.

The foundation of the experimental enterprise focuses on making infrastructure readily accessible.







Yes, we're hiring! info@svds.com

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