# How are organizations (like yours) approaching Big Data?

#### **Please visit:**

http://lexisnexis.com/risk/SolutionSurvey



## **HPCC Systems**

An Open-Source, Enterprise-Grade, Research-Ready, Data Intensive Computing Platform

Charles Kaminski, Sr. Architect Charles.Kaminski@LexisNexis.com <a href="http://HPCCSystems.com">http://HPCCSystems.com</a>



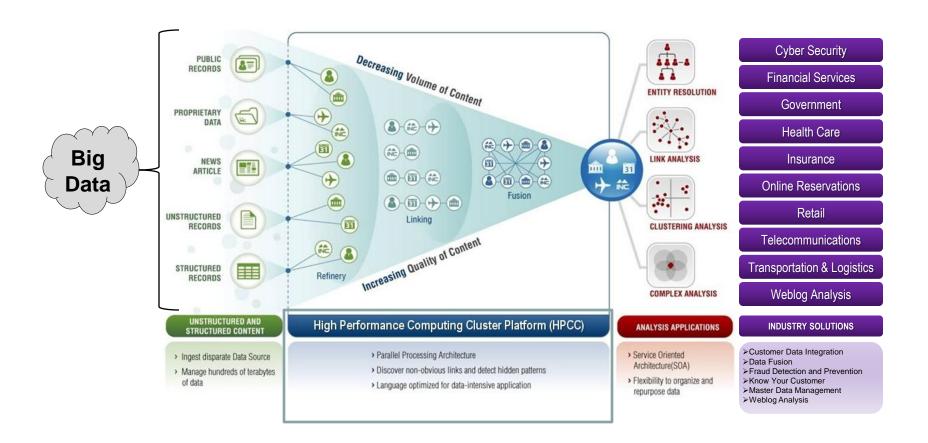
#### Who does our technology serve?

- Approximately 70 percent of local governments
- Approximately 80 percent of federal agencies
- Approximately 90 percent of Fortune 500 corporations
- Thousands of smaller businesses
- Academia
- Research Centers





## Each of you uses this platform





#### **Types of data**

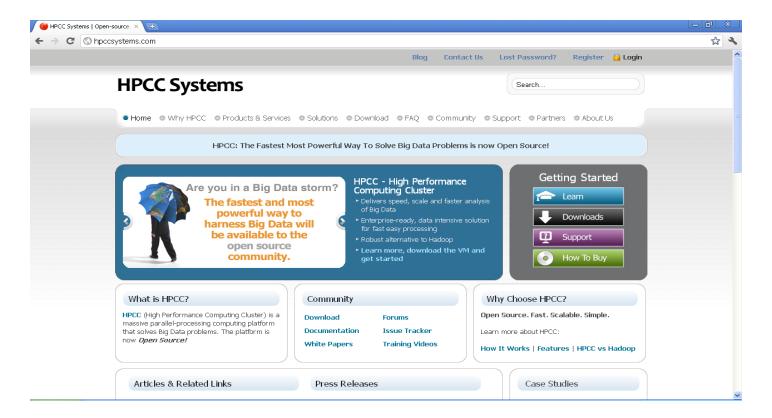
- Structured
- Unstructured
- Semi Structured
- Free Text
- Big Endian
- Little Endian
- CSV
- XML
- CSV
- Fixed Width
- ...
- and more



### Now this platform is available to you for free

http://hpccsystems.com + http://aws.hpccsystems.com +

Write these down





#### Free Training Available to Academia

Available to faculty and researchers based on availability.

Students included if faculty participate.

Contact:

Charles.Kaminski@LexisNexis.com



#### Our Technical People Continue to Improve the Platform

**Data Intensive Computing** 

**HPC** 

Machine Learning

**Programming Language** 

Development

NLP

**Big Data Analytics** 

**Professors** 

Researchers

Students

**Seasoned Engineers** 

**Predictive Experts** 

**Modeling Experts** 





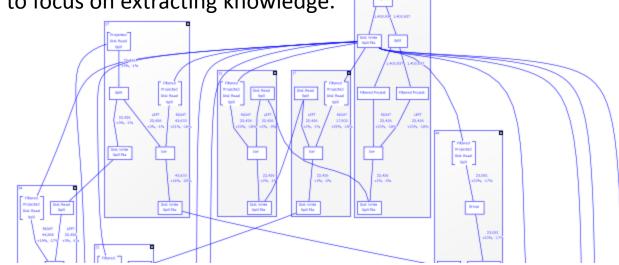






#### How are we different?

- We can solve problems difficult or impossible to solve with map reduce
- Engineering teams are smaller and faster
- Write fewer lines of code
- Technology stack is smaller and has fewer moving parts
- The language is extendable and you can plug into existing packages.
  - Many researchers now have big data problems
- The platform allows you to focus on extracting knowledge.





#### **The Major Parts**

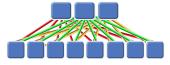
**Thor** 

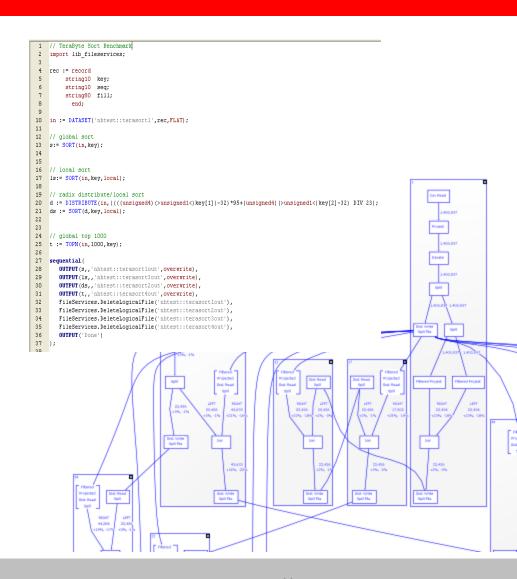


**ECL** 

1

Roxie







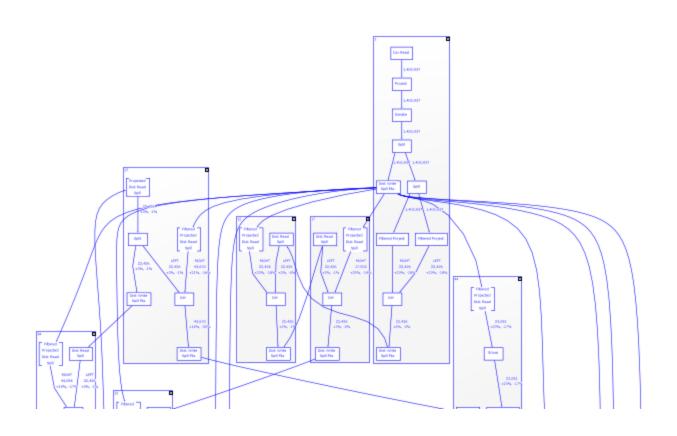
#### How the platform makes it happen

- •The right architectural decisions early on.
- •Few moving parts.
- •The Data Scientist have the power and control over the whole data lifecycle.
- •Big data doesn't mean big teams.





# Bringing up a cluster with one click.





#### **Questions?**

#### Check it out at

http://hpccsystems.com

#### Or chat with me directly

Charles Kaminski

**Senior Architect** 

Academic Development Lead, HPCC Systems

Charles.Kaminski@lexisnexis.com

402-619-9413

