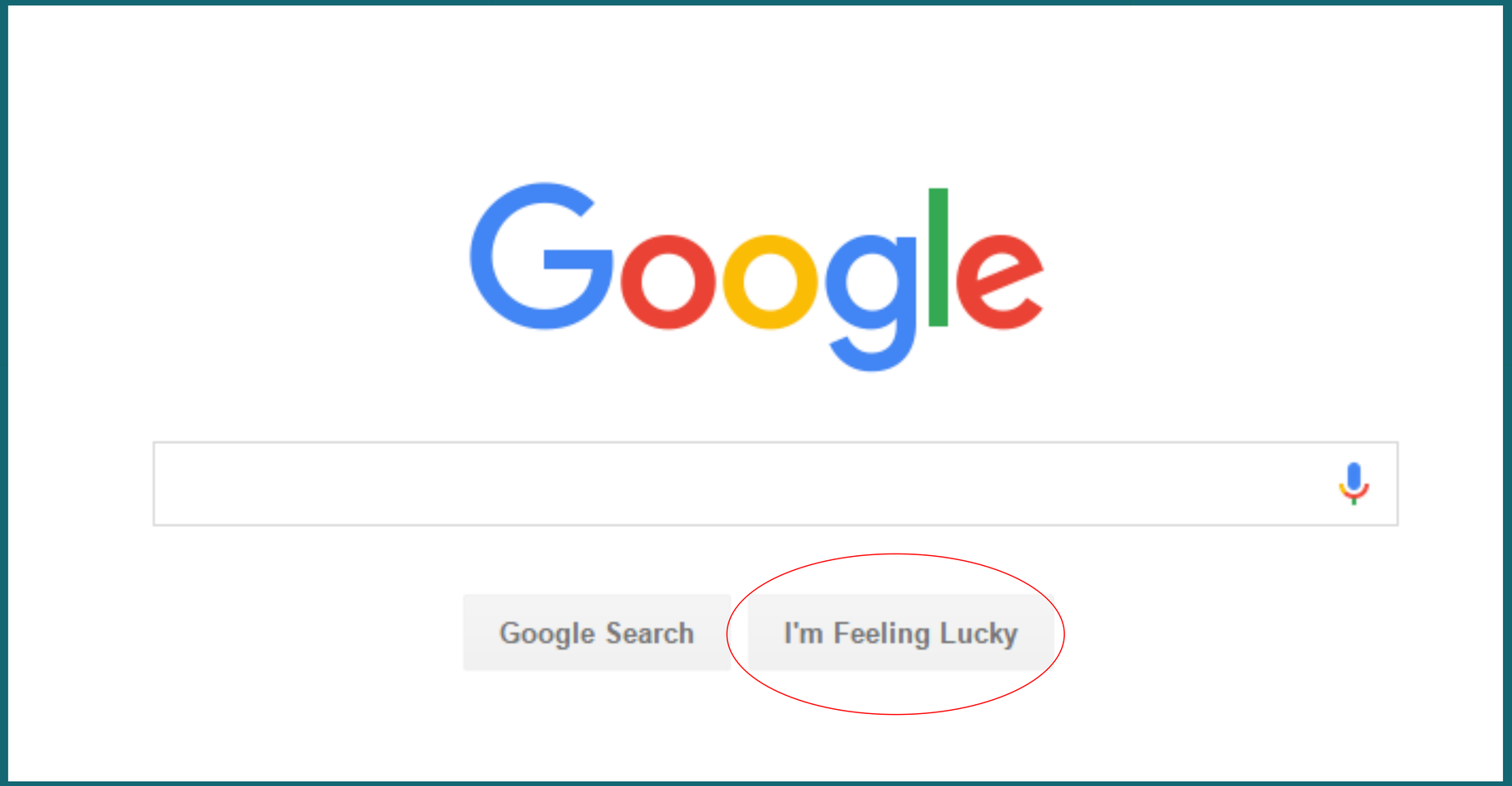
Smart Data Governance, Security and Compliance

Leveraging GPU for Deep Learning

Dathena99

PROBLEM: TODAY'S CHALLENGE WITH DATA

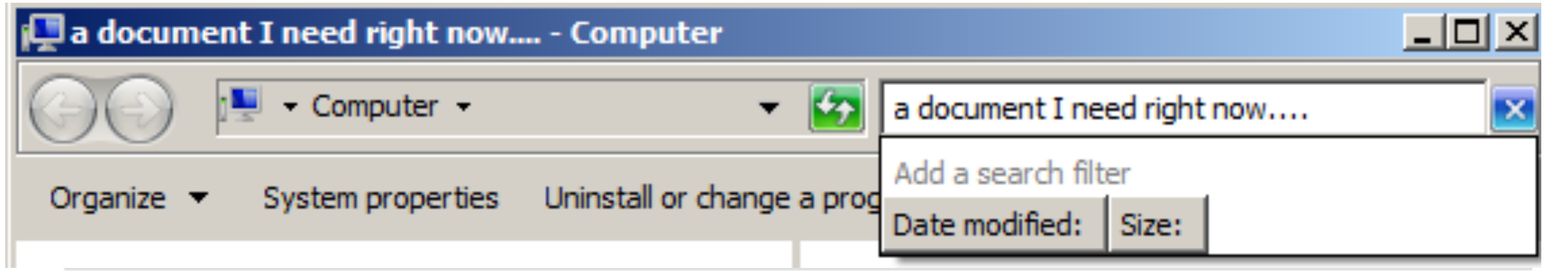
WHY?



PROBLEM: TODAY'S CHALLENGE WITH DATA

WHY?

ACME Company



ACME Search **NOT** Feeling Lucky

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PROBLEM: TODAY'S CHALLENGE WITH DATA

WHERE TO LOOK AT....

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PROBLEM: TODAY'S CHALLENGE WITH DATA

KNOWING...

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PROBLEM: TODAY'S CHALLENGE WITH DATA

INFORMATION IS NOWADAYS THE MOST CRITICAL ASSET OF ANY ORGANIZATION

Three distinct "pain point"

+30% of Data Growth / Year

New Regulatory Requirements

Data Privacy being the main focus

Digital Era, Complex IT

Environment (Cloud, BYOD, etc.)

25% involved internal staff

Behind Data Breaches

73% of Data Breaches

Were Financially Motivated

68 % of the organization admit they don't even know where their confidential information is located

Source: Gartner & Verizon Data Breach Report 2017

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SOLUTION: DATHENA IN A NUTSHELL

ARTIFICIAL INTELLIGENCE TO AUTOMATE DATA CLASSIFICATION FOR ANY ORGANIZATION

Data Protection & Cyber Security Officer

Compliance & Risk Manager

Document Owner

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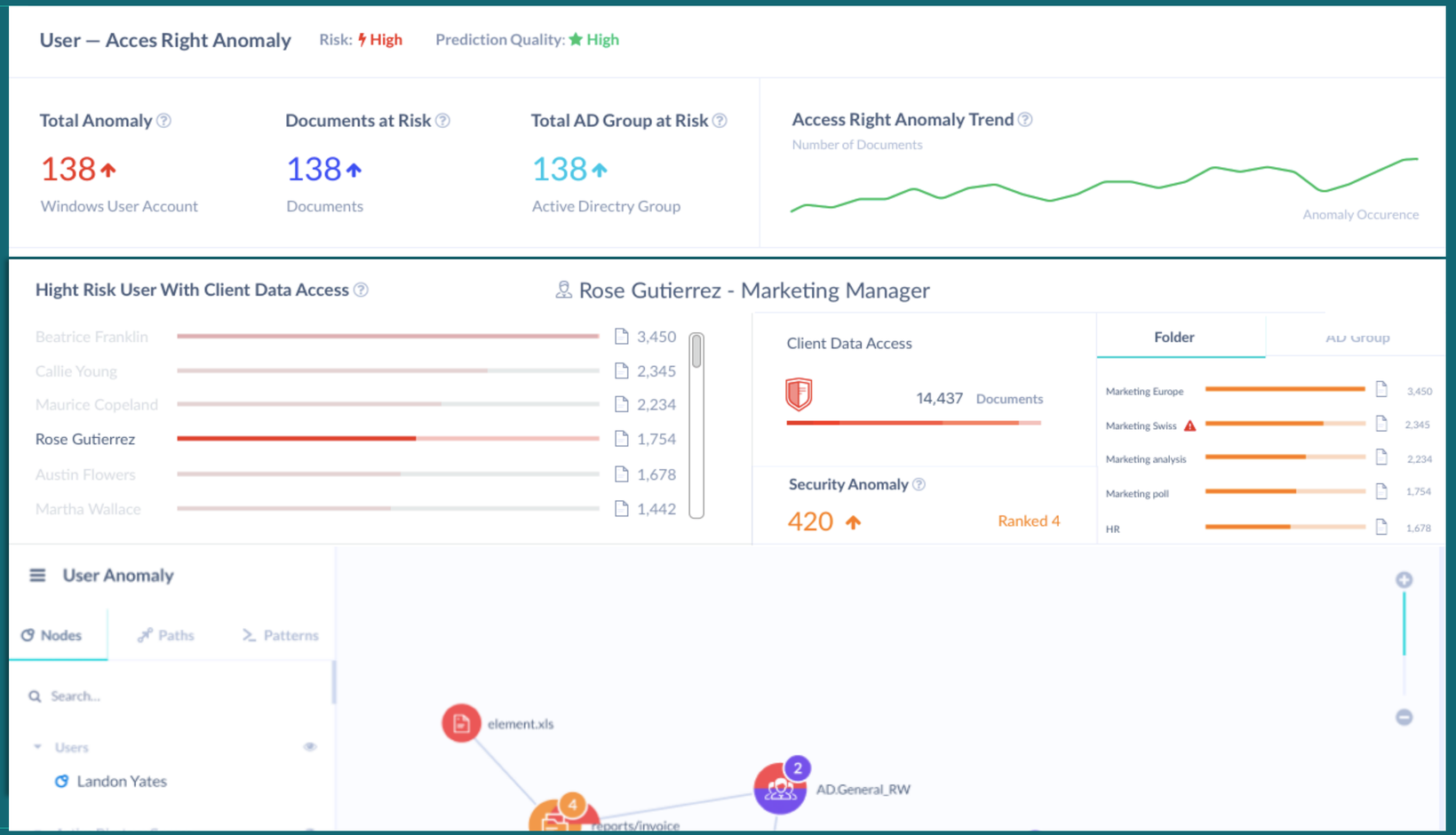
SOLUTION: DATHENA ENABLING SCALABLE DATA DISCOVERY

AI AUTOMATICALLY DETECT SECURITY ANOMALY OF CONFIDENTIAL & PERSONAL DATA

Find and Return Sensitive Information

Exhaustive Data Inventory

Detect Security Anomaly



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DATHENA: CUTTING EDGE TECHNOLOGY

4 YEARS OF RESEARCH FOR A UNIQUE SOLUTION

dathena

4 years of research

IBM

NVIDIA

pwc

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

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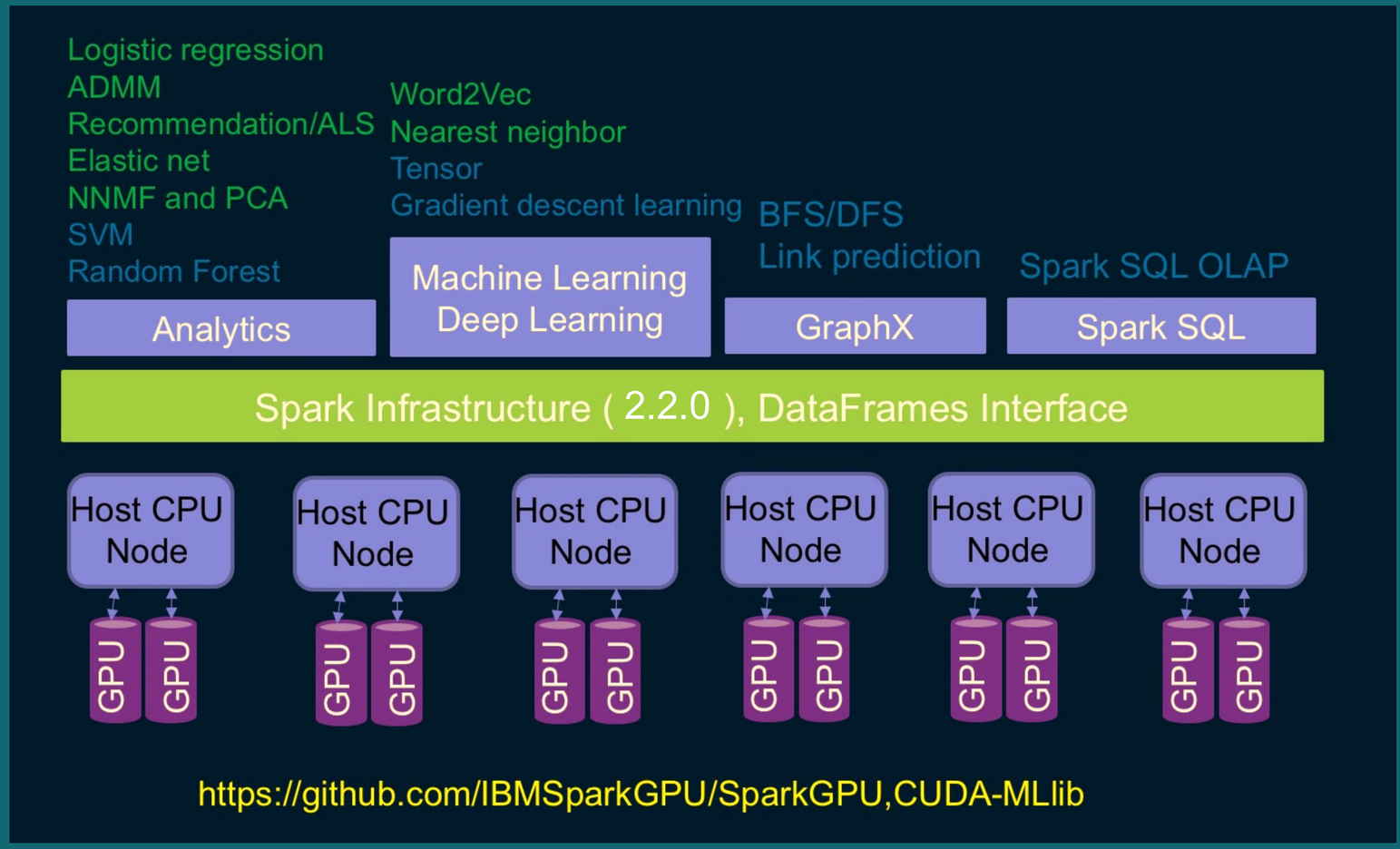
DATHENA: CUTTING EDGE TECHNOLOGY

STEP 1: SPARK ON GPU

NVIDIA

IBM



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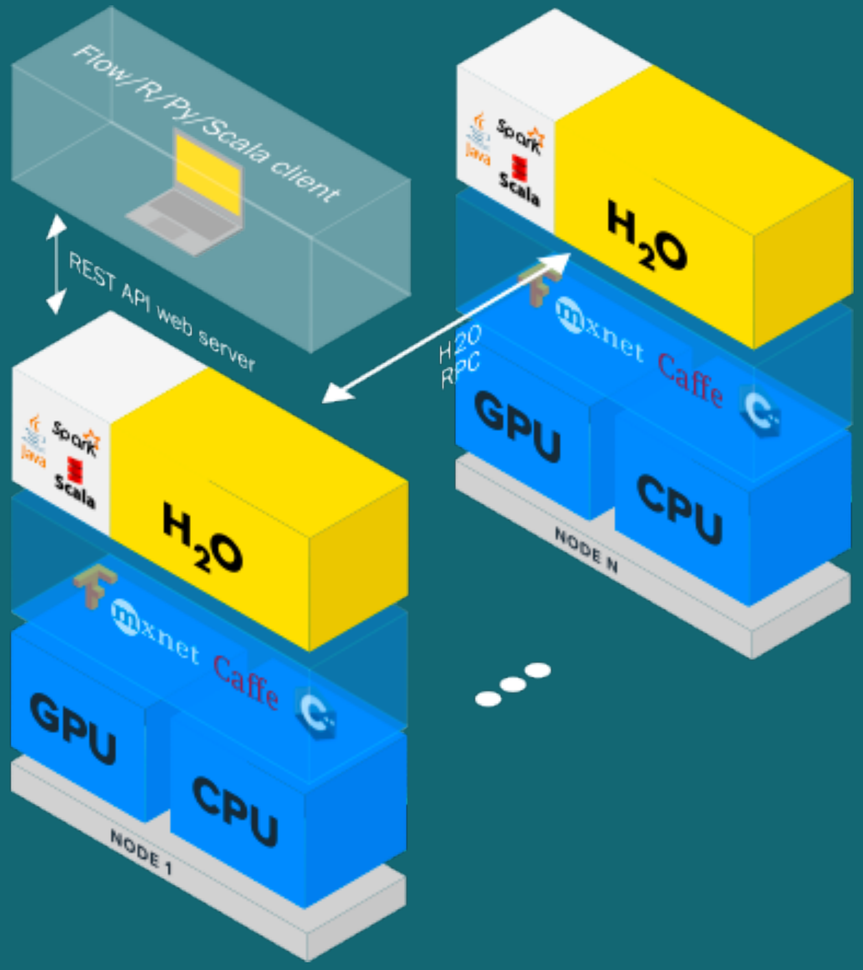
DATHENA: CUTTING EDGE TECHNOLOGY

STEP 2: BRINGING AI TO ENTERPRISE



H2O for GPU Enabled Deep Learning:

Integrated with the state-of-the-art GPU-optimized Deep Learning frameworks – TensorFlow, MXNet and Caffe.

H2O Deep Water speeds up Deep Learning on GPUs by 10-75x compared to CPUs.

This integration allows Dathena99 enterprises opportunities to better leverage GPUs:

Bringing AI to Enterprise for Smart Data Governance

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DATHENA: ACTUAL GO TO MARKET

ANY ORGANIZATION HANDLING SENSITIVE INFORMATION

BANK

GOV/DEFENSE

LUXURY

HEALTHCARE

Gartner Says Worldwide Information Security Spending Will Grow 7% to Reach

$86.4 Billion in 2017

By 2020, 50% of all midsize and large enterprises will have implemented file analysis for managing unstructured data, up from less than 10% today.

Gartner Market Guide for File Analysis Software
Published: 19 September 2016 ID: G00290878

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DATHENA: OUR GREAT TEAM

MEET THE SQUAD: SEASONED ENTREPRENEUR, CEO AND RISK MANAGER

CHRISTOPHER MUFFAT

FOUNDER & CEO

10 years in cybersecurity leading role in banking

CHRISTOPHE AULNETTE

BOARD MEMBER & PRINCIPAL ADVISOR

Former CEO Microsoft France

TANIA KODLIUK

CHIEF SCIENTIST OFFICER

PhD in Applied Mathematics

PHILIPPE EYRIES

CHARIMAN OF THE BOARD

Successful entrepreneur in cybersecurity

POUL NIELSEN

CHIEF OPERATING OFFICER

Successful entrepreneur in cybersecurity

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