Analysts responsible for covering security, fraud, and user behavior are overwhelmed by event data. They're struggling with tasks like gathering the right data, understanding the key patterns, relationships, anomalies, outliers, and quickly taking action. Scalable graph technology enables analysts to quickly identify the patterns and outliers in their data.

**INTEGRATED SOLUTION**
NVIDIA and Graphistry deliver industry-leading hardware and software to power an investigation platform that businesses can rely on for visualizing millions of connected events and entities. Graphistry on NVIDIA DGX™ systems and NVIDIA GPUs provide the best-in-class visualization, and automation solution for investigation teams that need to quickly query, analyze, visualize, and act on growing event volumes.

**INDUSTRY CHALLENGES**
> Tedious for analysts to identify connections in data and understand behavior
> Difficult to hire and retain junior and senior case analysts
> Inability to leverage multiple data platforms within a session
> Legacy technology can only visualize sample data sets up to 10k data points
Together, NVIDIA and Graphistry Deliver

**INTERACTIVE GRAPH EXPLORATION**
Reveal root cause, progression, scope, patterns, outliers, and correlations
Gain insights into events & entities that are missed by tables, charts, and maps

**INTELLIGENT AUTOMATION**
10-100X faster on NVIDIA GPUs and more reliable analysis through templated investigation sequences
Visual querying and drill downs—write significantly less code and achieve more sophisticated queries

**SCALE AT SPEED**
10-100X faster on NVIDIA GPUs over CPU-based D3.js, Palantir, Maltego, SQRL, Linkurious, Keylines for both rendering and clustering
See 10-100X more data for 1 million+ entities

---

**Graphistry Marketecture**

Architected to Support Teams & Existing Data, APIs

1. **Visually investigate in an interactive graph**
   - Create, run, and share specialized templates

2. **Dispatch queries to APIs**
   - Does not copy GBs/ TBs/ PBs of logs

- Security Operations Center (SOC) / Incidence Response (IR)
- Fraud
- Security Forensics, Hunt, & Research
- Dev
- Data Science
- IPython Notebooks
- Existing Dashboards
- Existing Non-visual Automation
- Spark
- Splunk
- Graph DB
- SQL DB
- APIs
- ...
## Industry Insights

Customers everywhere are using massively parallel graphics processors and interactive visualization to provide higher throughput for compute-intensive workloads and achieve significant performance gains without the hidden cost of scale-out architecture, resulting in dramatic cost savings.

<table>
<thead>
<tr>
<th>Categories</th>
<th>Use Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI &amp; ML Model Visibility</td>
<td>Visually test, monitor, and inspect daily changes to AI models, for explaining clusters of false positives.</td>
</tr>
<tr>
<td>Anti-Fraud, Operational Risk</td>
<td>Visually analyze common and tricky incidents spread over many events involving accounts, users, devices, transactions, and more.</td>
</tr>
<tr>
<td>Commercial Loan Risk</td>
<td>Identify risky loans and models by understanding financial history, dependencies, and changes from across diverse data sources and models.</td>
</tr>
<tr>
<td>Customer 360 &amp; Retail</td>
<td>Explore customer journeys and segments to guide projects in engagement, targeting, churn, risk, and feature selection.</td>
</tr>
<tr>
<td>IT Infrastructure: NetOps+DevOps</td>
<td>See large physical and logical systems, as well as event activity to increase visibility and simplify troubleshooting, monitoring, and onboarding.</td>
</tr>
<tr>
<td>Market &amp; Survey Analysis</td>
<td>Visually reveal segments, commonalities and outliers, relationships, and behaviors.</td>
</tr>
<tr>
<td>Security Operations Center (SOC) / Incidence Response (IR)</td>
<td>Faster and more reliable investigation and response by augmenting log search and dashboard views with visual playbooks powered by visual graph analytics.</td>
</tr>
<tr>
<td>Security Forensics, Hunt, &amp; Research</td>
<td>Visually analyze many endpoints and big logs with scalable graph-based visual event analytics.</td>
</tr>
<tr>
<td>Patient 360</td>
<td>See how many patients and employees interact with each other and the system to improve patient happiness, outcomes, and turnaround.</td>
</tr>
</tbody>
</table>
**Recommended NVIDIA Hardware**

NVIDIA GPUs are available in servers, supercomputers, and cloud services around the world. You can now get end-to-end accelerated analytics solutions powered by NVIDIA GPUs with supporting software technologies and support from NVIDIA experts.

**Find Out More**

NVIDIA GPUs for accelerated analytics—helping customers effectively analyze, visualize, and unleash the power of AI to transform their digital business into an AI enterprise.

Website: [www.nvidia.com/analytics](http://www.nvidia.com/analytics)
Contact: dgxanalytics@nvidia.com
Twitter: [@NvidiaAI](https://twitter.com/NvidiaAI)
Blog: [blogs.nvidia.com](http://blogs.nvidia.com)

Graphistry: visual investigation platform allows analysts to interactively explore millions of events and data points at unprecedented speed in an enhanced visual graph.

Website: [www.graphistry.com](http://www.graphistry.com)
Contact: info@graphistry.com
Twitter: [@Graphistry](https://twitter.com/Graphistry)

© 2017 NVIDIA Corporation. All rights reserved. NVIDIA, the NVIDIA logo, NVIDIA DGX Systems, NVIDIA DIGITS are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. Other company and product names may be trademarks of the respective companies with which they are associated. JUL17