



Centrify®

splunk®

Extend Active Directory to Heterogeneous Environments

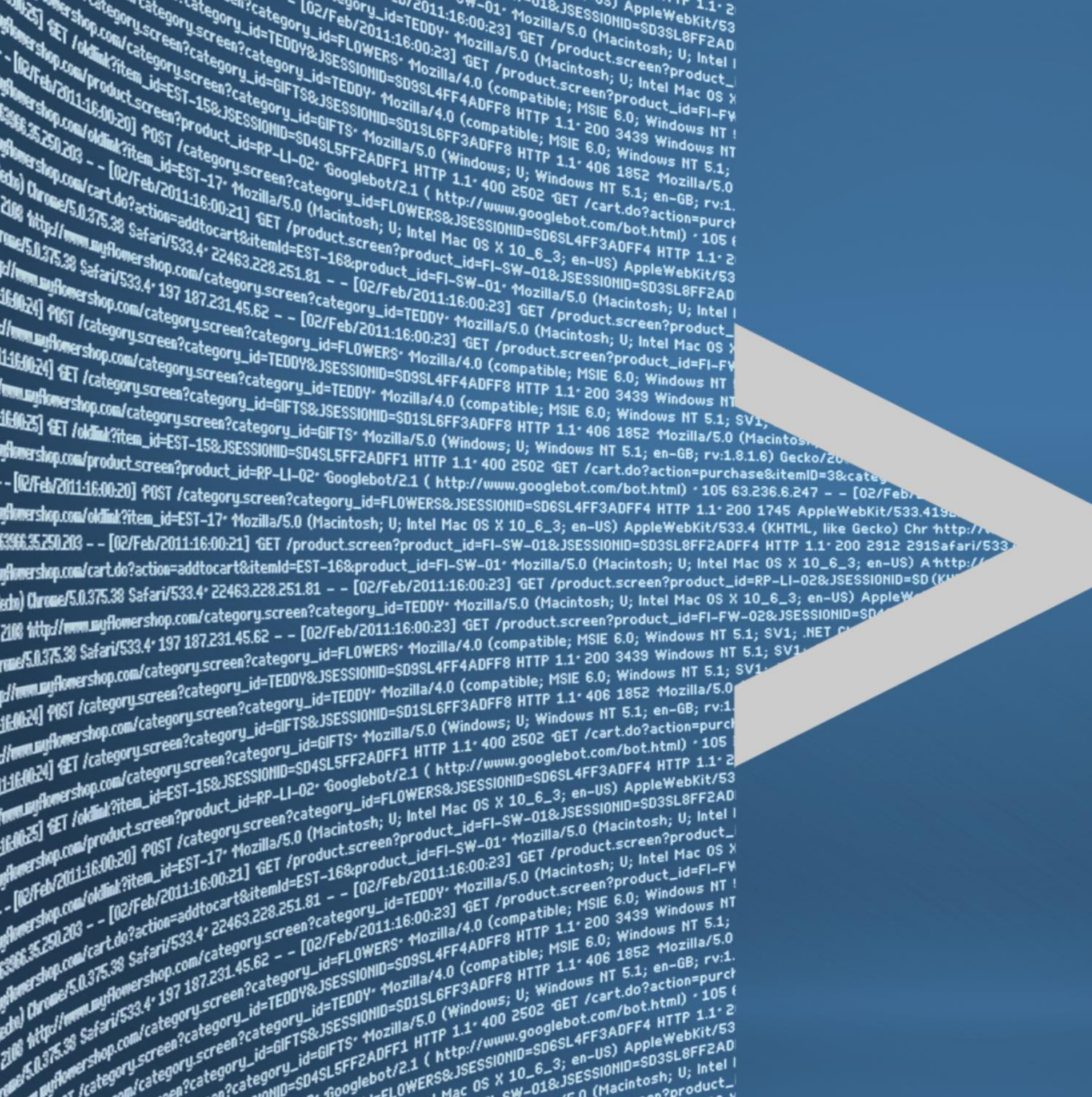
Secure and Manage Heterogeneous Environments
with Centrify and Splunk

Corey Williams

Director of Product Management
Centrify Corporation

Ben Brauer

Director of Product Marketing
Splunk Inc.



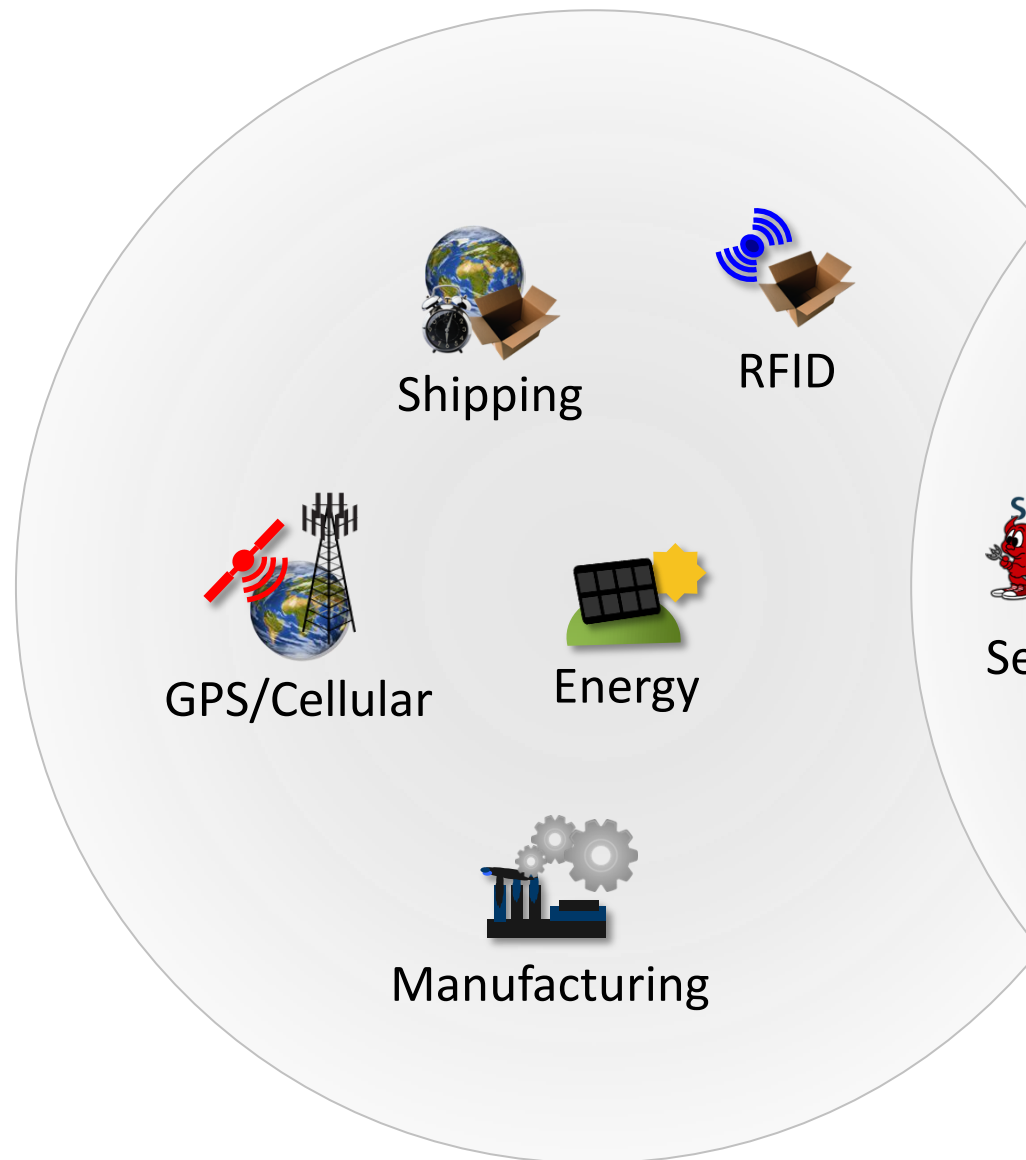
Introducing Splunk

Ben Brauer
Product Marketing Director

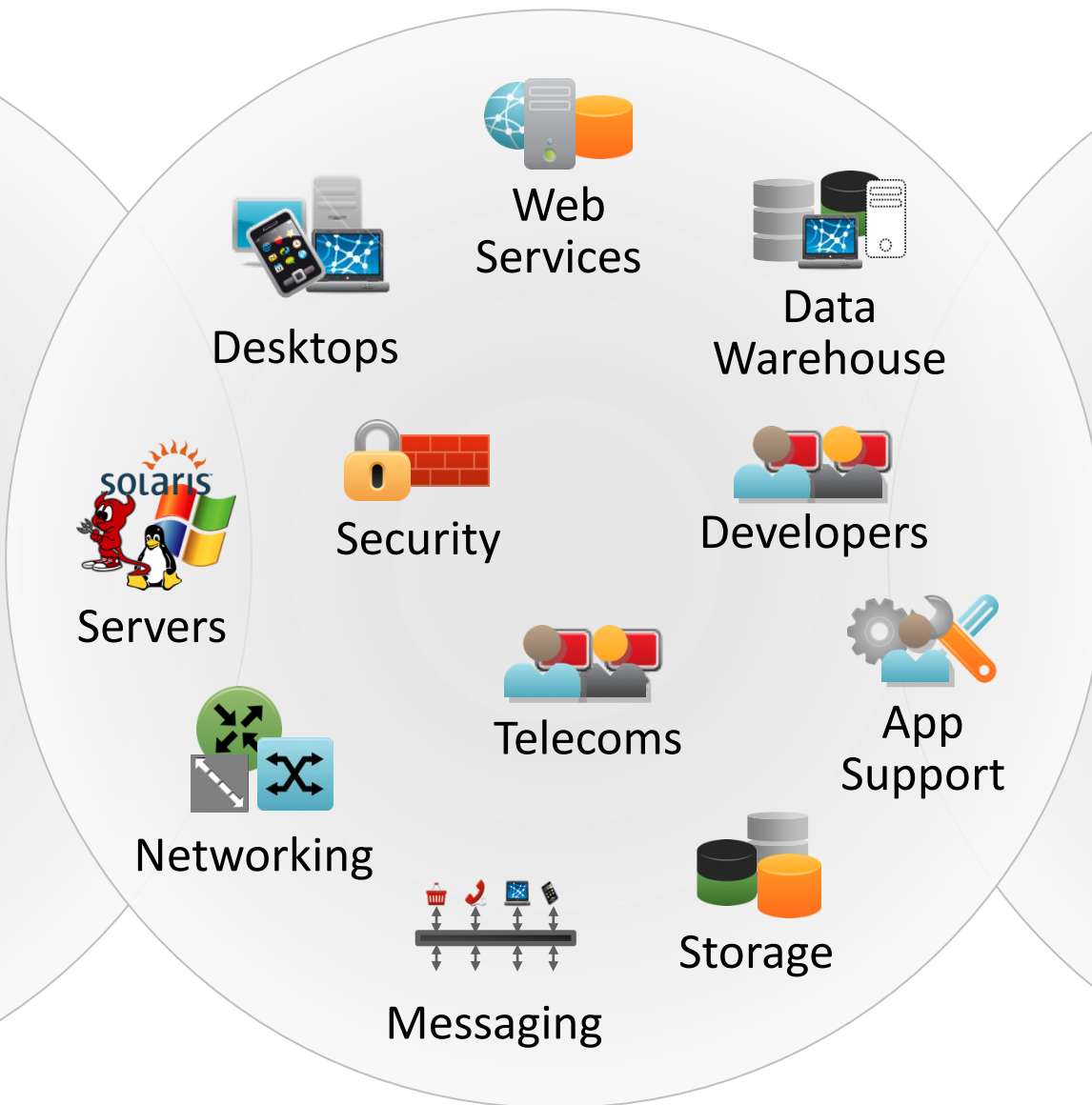
April 2011

Today's IT Reality: Complex, Silo-based Systems

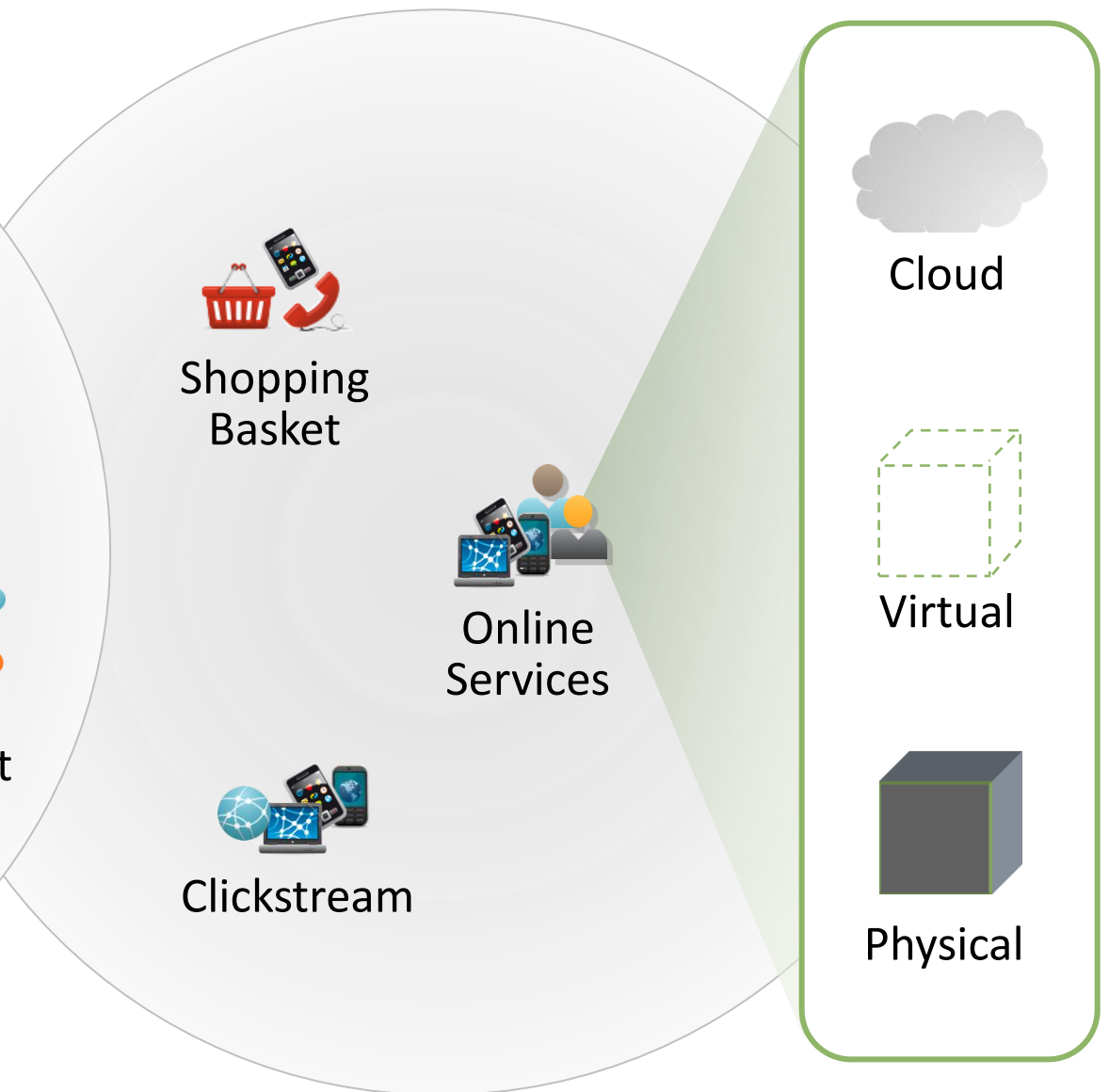
Additional Sources



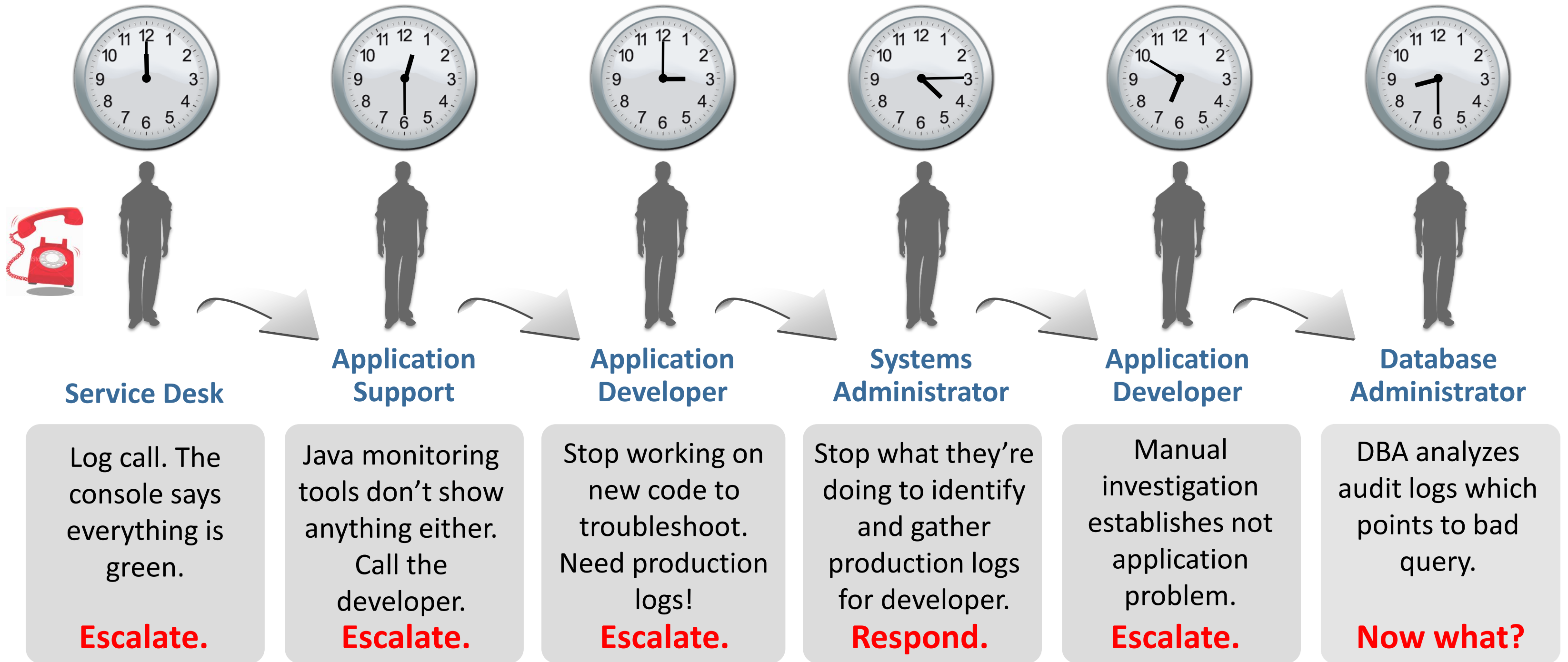
Core IT



Customer-facing IT



In the Trenches



The Answer is in The Data

Additional Sources

Core IT

Customer-facing IT

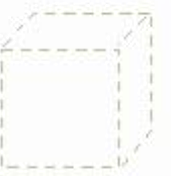
- Machine data contains a definitive record of activity and behavior

- Customer behavior
- User transactions
- Clickstreams

- Applications
- Servers
- Network devices



Cloud



Virtual



Physical

Growing Volumes and Complexity

Additional Sources

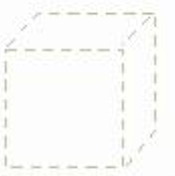
Core IT

Customer-facing IT

- Volumes, sources and types exploding
- 80-95% of an organization's data is unstructured
- Locked in silos throughout the organization
- Virtualization and cloud computing add complexity



Cloud

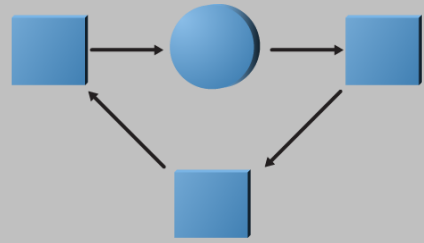


Virtual



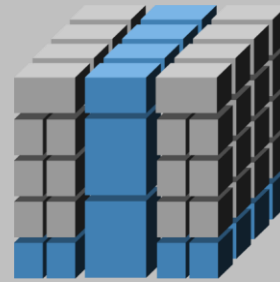
Physical

What's Different About Machine Data



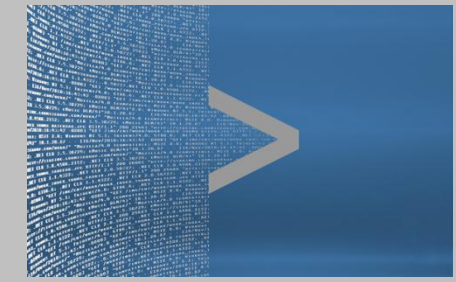
Relational Databases

- Financial records, manufacturing and logistical information, personnel data
- Data highly structured — database highly structured
- Inflexible schema, long deployment cycle



Multidimensional Databases

- Multidimensional data for business management and statistics
- Math computation strength — dense data
- Pivots data for flexible financial analysis
- Monthly reporting, not for real-time events



Engine for Machine Data

- Time series unstructured data, with no predefined schema
- Generated by all IT systems, non-standard data, unpredictable formats
- Massive volume; fast navigation and correlation paramount



Collect, index and harness your machine data to identify issues, patterns, risks and opportunities and drive better decisions for IT and the business

Splunk: The Engine for Machine Data

No predefined schema, no custom connectors, no RDBMS, no need to filter/forward.



Splunk is a Powerful Search Engine for IT

Find and fix problems dramatically faster across your organization.



Splunk Proactively Monitors for Incidents

Automatically monitor all your infrastructure in real-time to identify issues, problems and attacks before they impact your customers and services.

The screenshot displays the Splunk interface. On the left, the 'Setup an Alert' dialog is open, showing the 'Alert Settings' tab. The configuration includes:

- Condition: If number of events is greater than 5
- Suppression: Suppress the same alert for the specified 30 seconds
- Alert Expiration: After 5 hours
- Alert Severity: Warning

On the right, a table lists '1-50 of 185 Fired Alerts'. The table has columns for ID, App, Type, Severity, and Time. The following table represents the data shown in the screenshot:

ID	App	Type	Severity	Time	
1234	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	ESS	Real-time	Minor	6/7/10 10:50:37 AM
1235	BLEEDING-EDGE Potential SSH Scan	ESS	Real-time	Critical	6/10/10 11:22:37 AM
1236	MS-SQL version overflow attempt	PCI	Scheduled	Major	6/7/10 10:50:37 AM
1237	PADS New Asset - ssh OpenSSH 3.0p1 (Protocol 1.99)	PCI	Real-time	Warning	6/10/10 11:22:37 AM
0038	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	PCI	Scheduled	Warning	6/7/10 10:50:37 AM
1234	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	ESS	Real-time	Minor	6/7/10 10:50:37 AM
1235	BLEEDING-EDGE Potential SSH Scan	ESS	Real-time	Critical	6/10/10 11:22:37 AM
1236	MS-SQL version overflow attempt	PCI	Scheduled	Major	6/7/10 10:50:37 AM
1237	PADS New Asset - ssh OpenSSH 3.0p1 (Protocol 1.99)	PCI	Real-time	Warning	6/10/10 11:22:37 AM
0038	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	PCI	Scheduled	Warning	6/7/10 10:50:37 AM
1234	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	ESS	Real-time	Minor	6/7/10 10:50:37 AM
1235	BLEEDING-EDGE Potential SSH Scan	ESS	Real-time	Critical	6/10/10 11:22:37 AM
1236	MS-SQL version overflow attempt	PCI	Scheduled	Major	6/7/10 10:50:37 AM
1237	PADS New Asset - ssh OpenSSH 3.0p1 (Protocol 1.99)	PCI	Real-time	Warning	6/10/10 11:22:37 AM
0038	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	PCI	Scheduled	Warning	6/7/10 10:50:37 AM
1234	BLEEDING-EDGE WORM Allaple ICMP Sweep Ping Inbound	ESS	Real-time	Minor	6/7/10 10:50:37 AM
1235	BLEEDING-EDGE Potential SSH Scan	ESS	Real-time	Critical	6/10/10 11:22:37 AM
1236	MS-SQL version overflow attempt	PCI	Scheduled	Major	6/7/10 10:50:37 AM

RSS



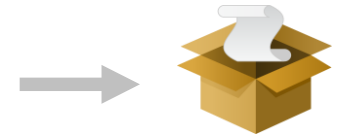
Email



SNMP

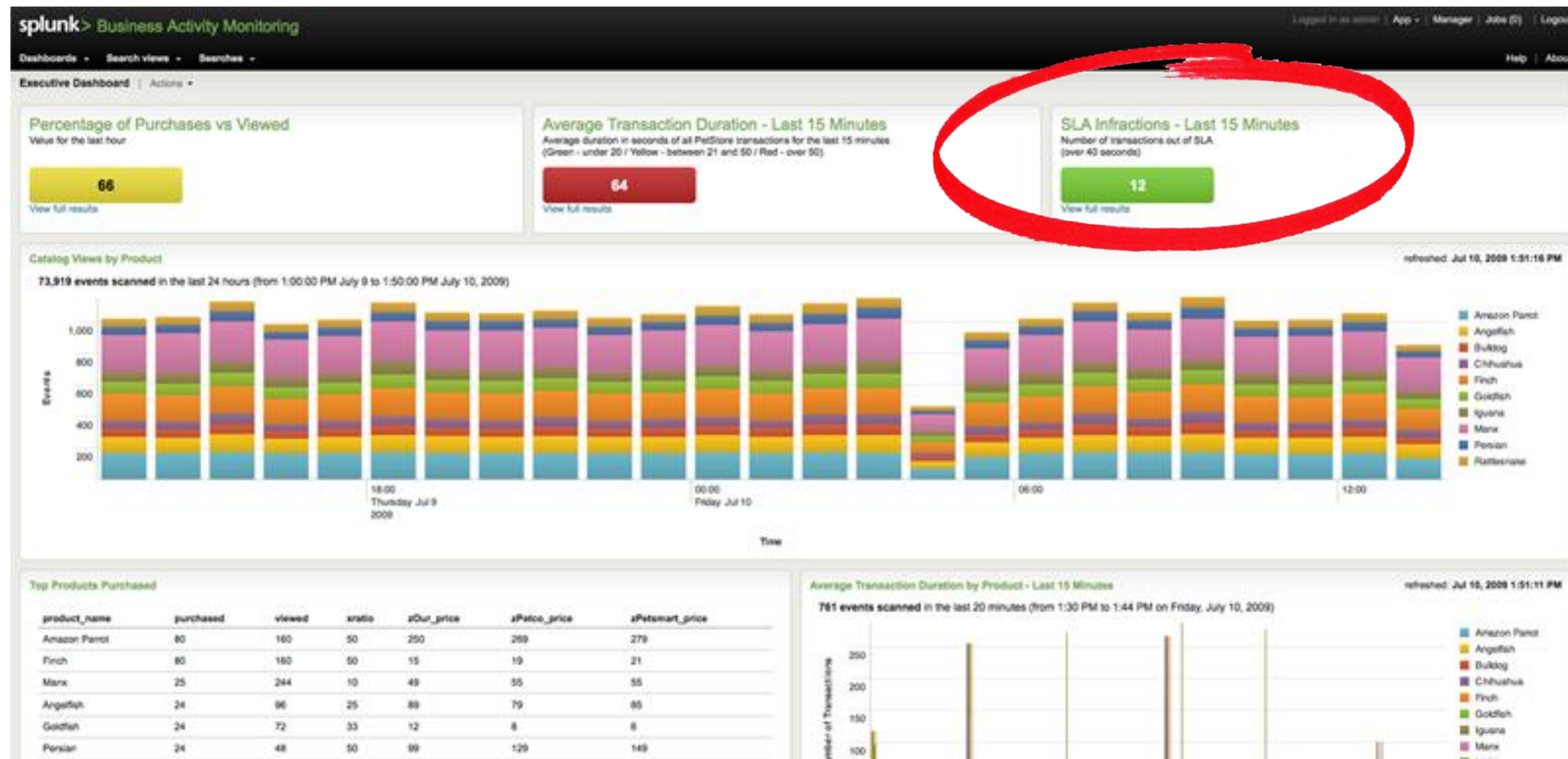


Trouble ticket



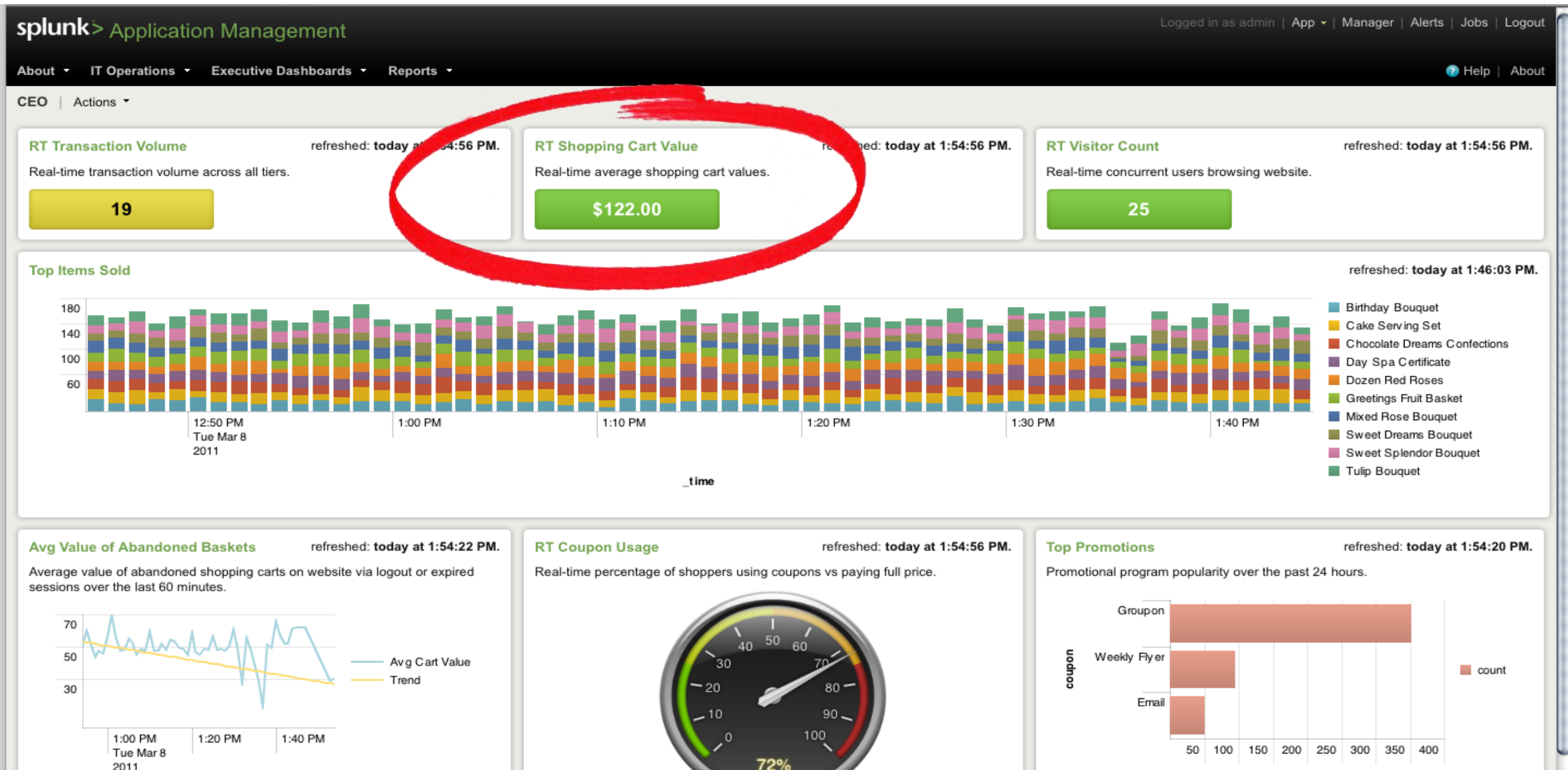
Splunk Delivers Operational Visibility

Gain end-to-end visibility to track and deliver on IT KPIs and make better-informed IT decisions.

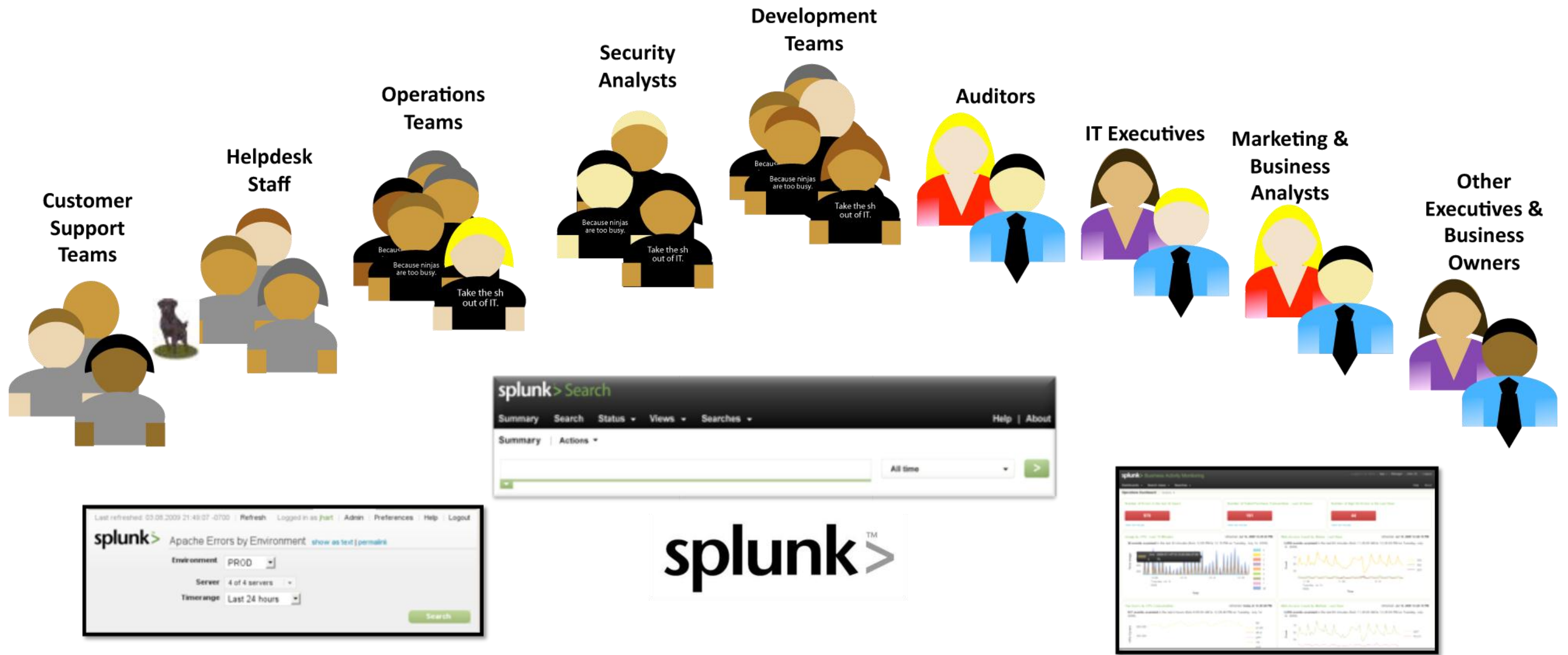


Splunk Provides New Insights for Business

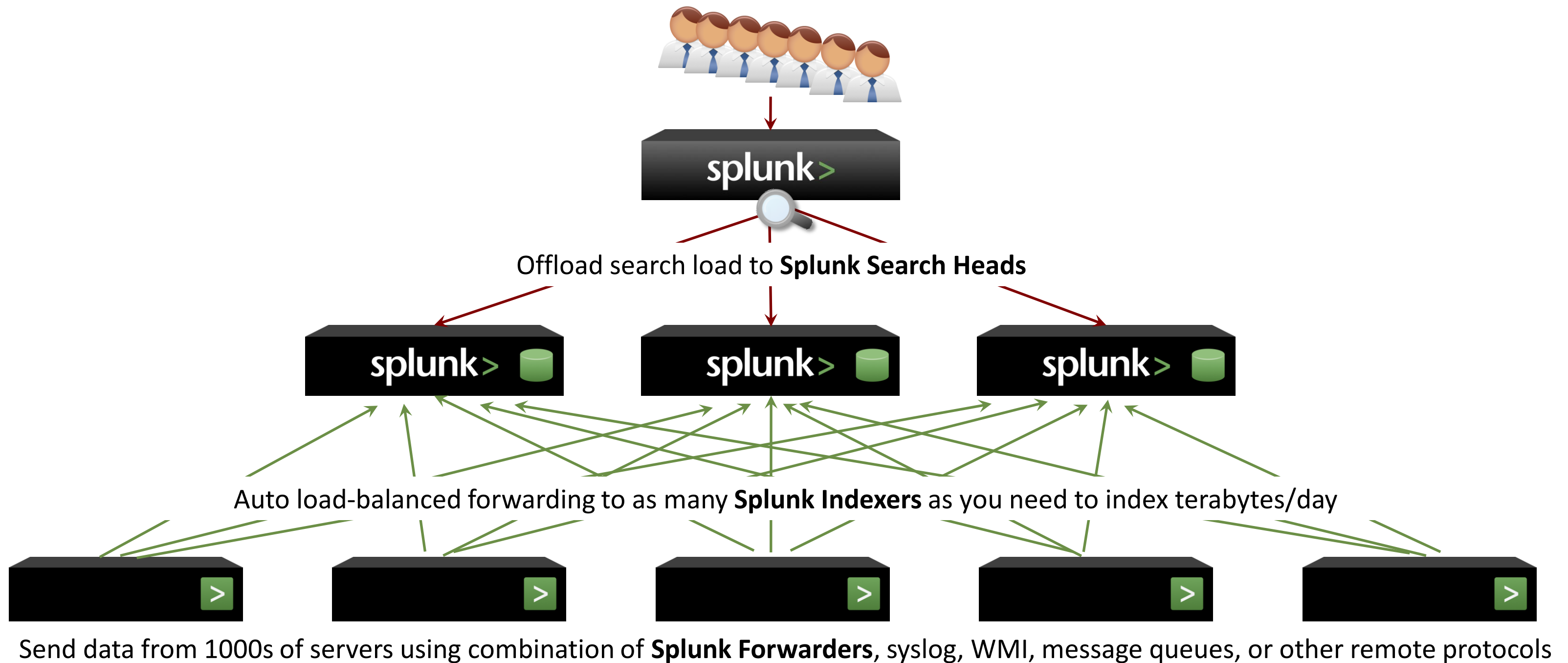
Gain new insight from operational data to make better-informed business decisions.



Delivers Visibility Across IT and the Business



Scales to Tens of Terabytes Per Day



Splunk for Monitoring Active Directory

- Windows native tools are ineffective for auditing Active Directory
- Identify Who, What, Where, and When in real time
 - Get full context—see both *before* and *after* values for each setting
- Ensure provenance of audit and security logs
- Archive, search and report on logs at the ID and Object levels
- Integration with SCOM for leveraging the Active Directory Management Pack

What Makes Splunk Different?

Any Data

- Any format of data, from any source
- Full access to 100% of data for months/years
- Cradle-to-grave data management

Completely Flexible

- Supports any analysis, reporting or monitoring across IT silos
- Highly flexible dashboards present any view for any user
- Adapts to change—schema-on-the-fly design supports new or unexpected data

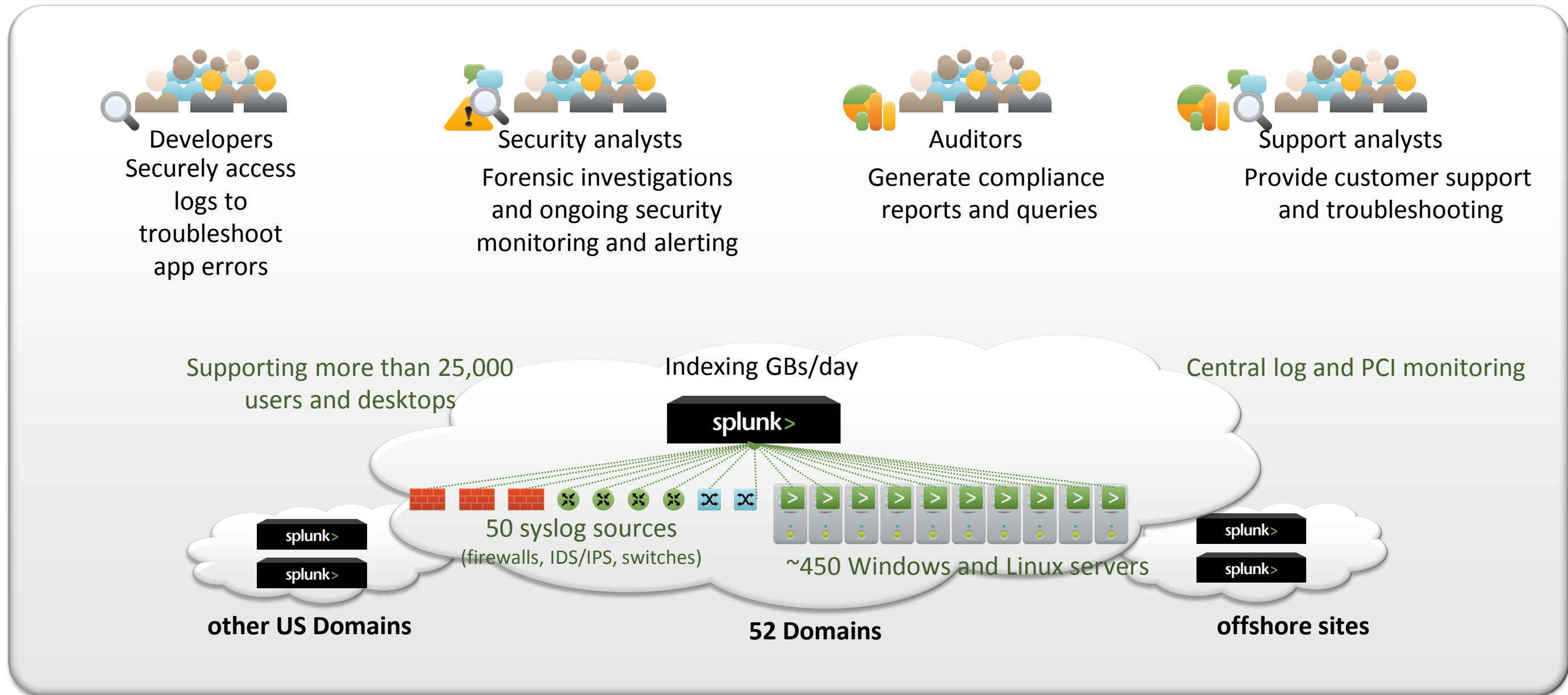
Immediate Results

- Free download, installs in minutes
- Can get started small and grow over time—from laptop to datacenters
- Initial benefits realized in hours or days

Splunk: The Engine for Machine Data



End-to-End Visibility Across IT



“The speed with which Splunk returns results makes you want to use it--it’s addictive!”

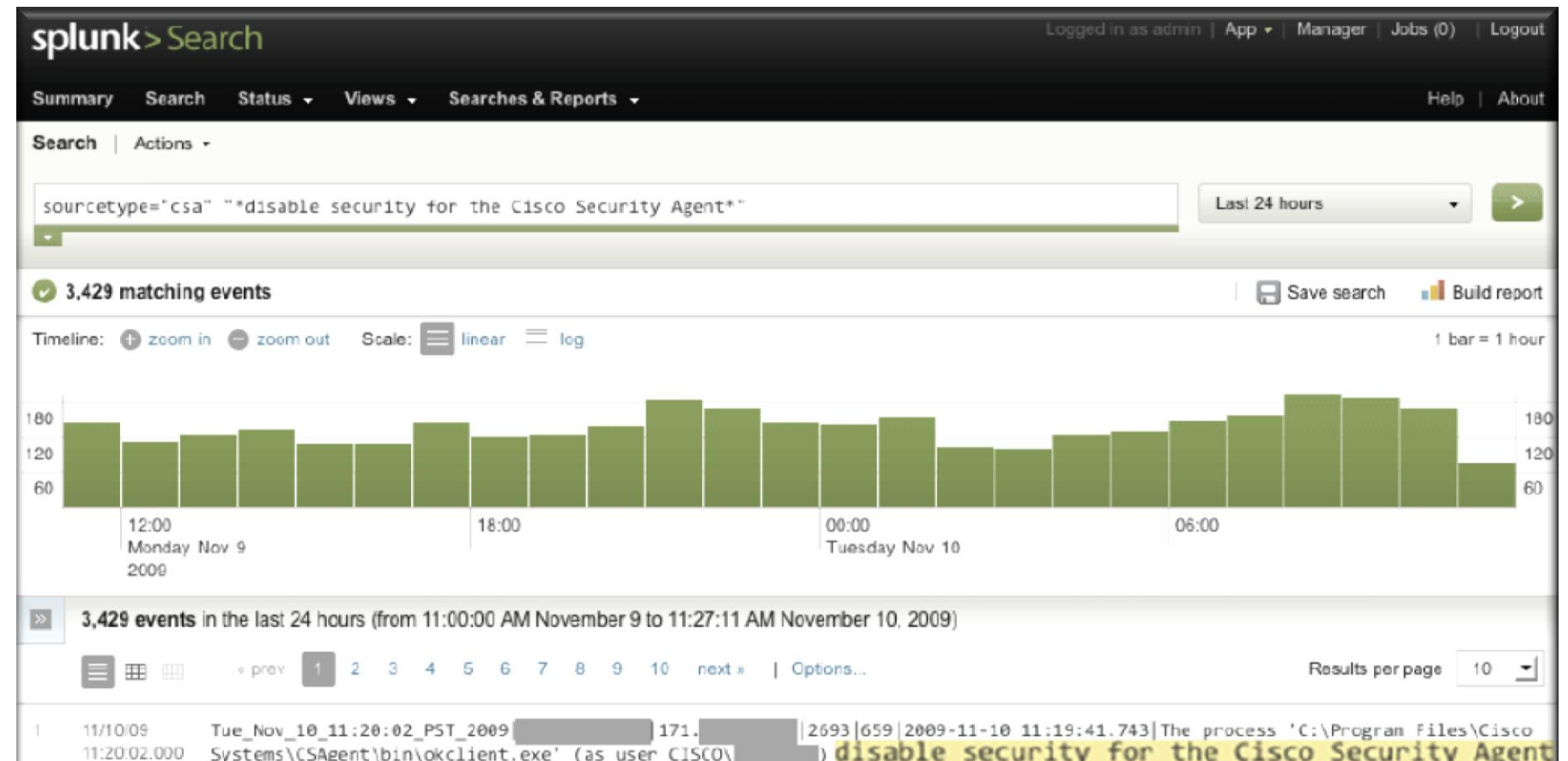
Dennis Scales, Director, IT



**FIDELITY NATIONAL
INFORMATION SERVICES**

Proactive Security Monitoring After Splunk

“Splunk allows us to quickly consolidate and correlate disparate log sources, enabling previously impractical monitoring and response scenarios.”



Dave Schwartzburg
Computer Security Incident
Response Team

- Enabled proactive threat assessment, mitigation planning, incident trending with analysis, security architecture, incident detection and response
- Delivered a centralized view into user activities and in-scope systems

2,300+ Licensed Customers in 74 Countries



Education



Energy & Utilities



Financial Services & Insurance



Government



Healthcare



Manufacturing



Media



Cloud & Online Services



Retail



Technology



Telecommunications



Travel & Leisure

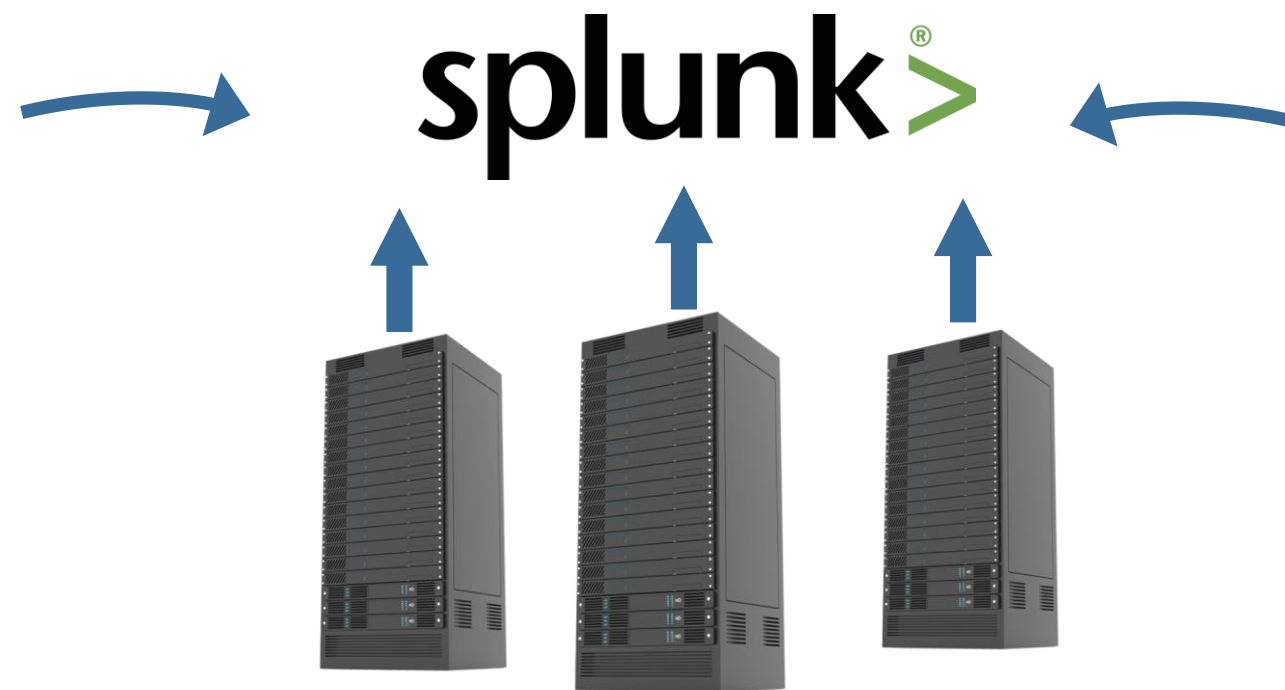
Easy to Get Started

Download and install in minutes.

1. Download



2. Eat your Machine Data



Datacenter

3. Start Splunking



How To Contact Us

WEB SITE

www.splunk.com

TECHNICAL VIDEOS & MORE

<http://www.splunk.com/videos>

DOWNLOAD FREE TRIAL

<http://www.splunk.com/download?r=header>

CONTACT US

info@splunk.com

PHONE

Worldwide: **+1 (415) 848.8400**

Europe: **+44 (0) 1628.509.031**

SOCIALIZE SPLUNK:

- [Post a question on Splunk Answers](#)
- [Find an app on Splunkbase](#)
- [Join the IRC channel #Splunk on efnet](#)
- [Become a Fan of Splunk on Facebook](#)
- [Join the Splunk LinkedIn Group](#)
- [Follow @Splunk on Twitter](#)
- [Watch Splunk videos on YouTube](#)