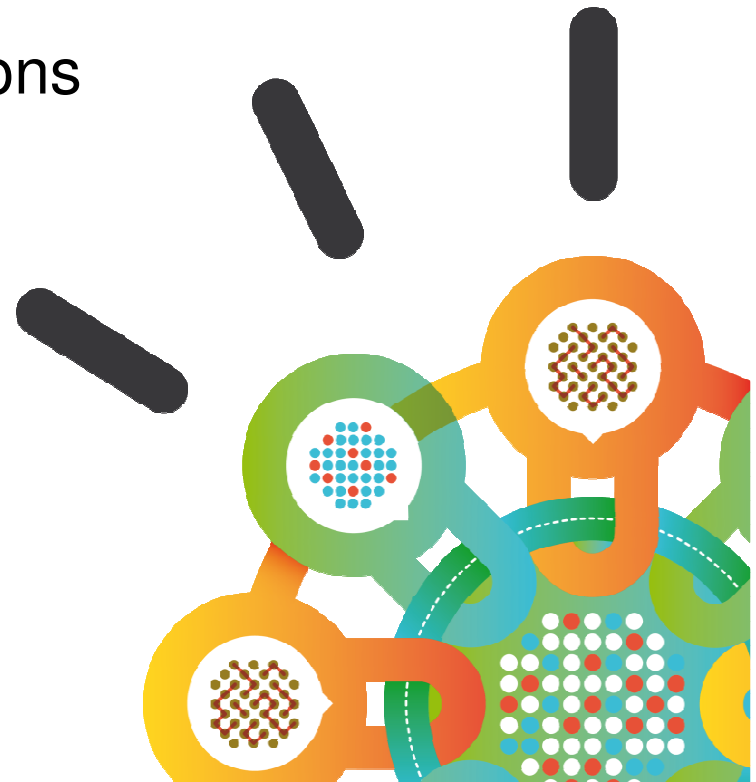

Security Intelligence.
Think Integrated.

QRadar Data Visualizations

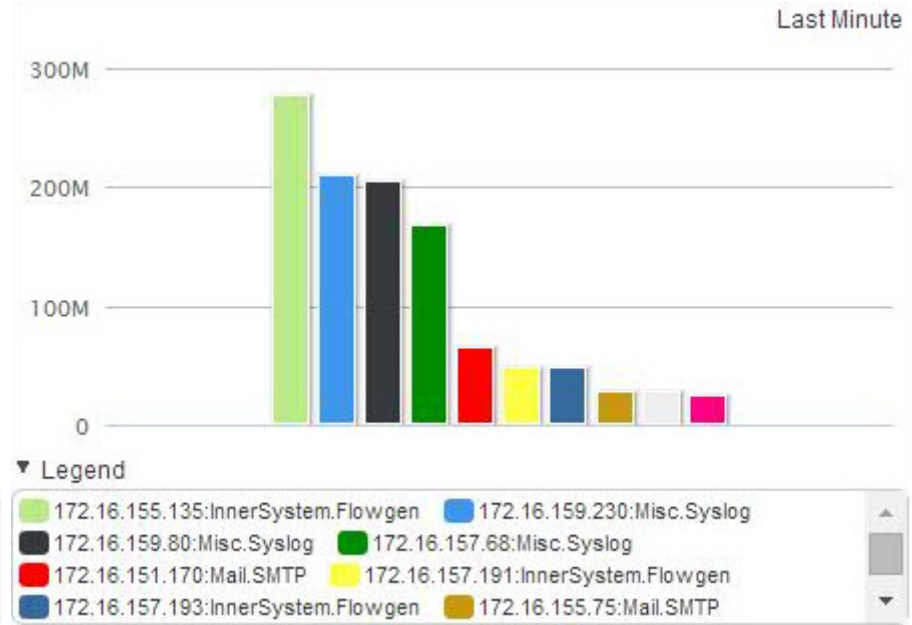
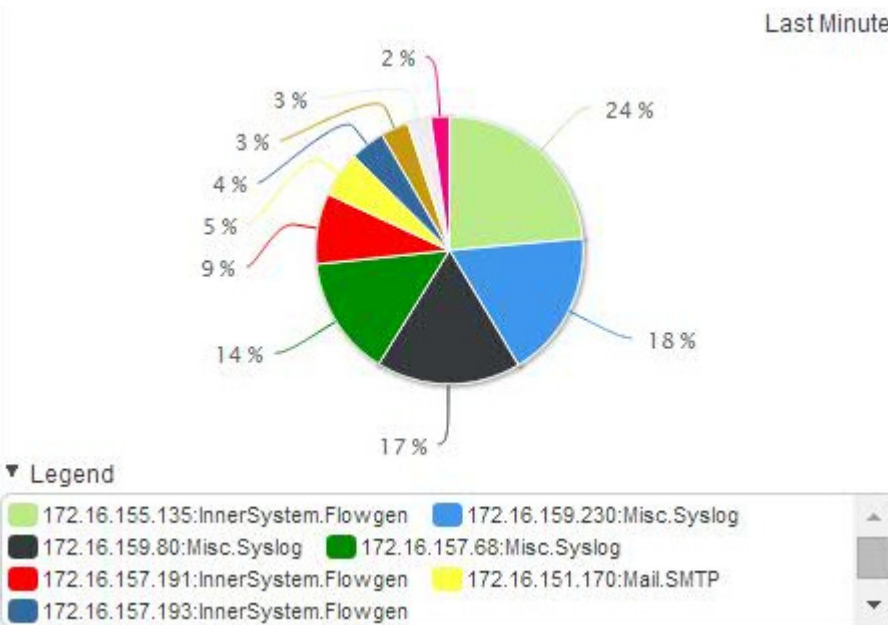
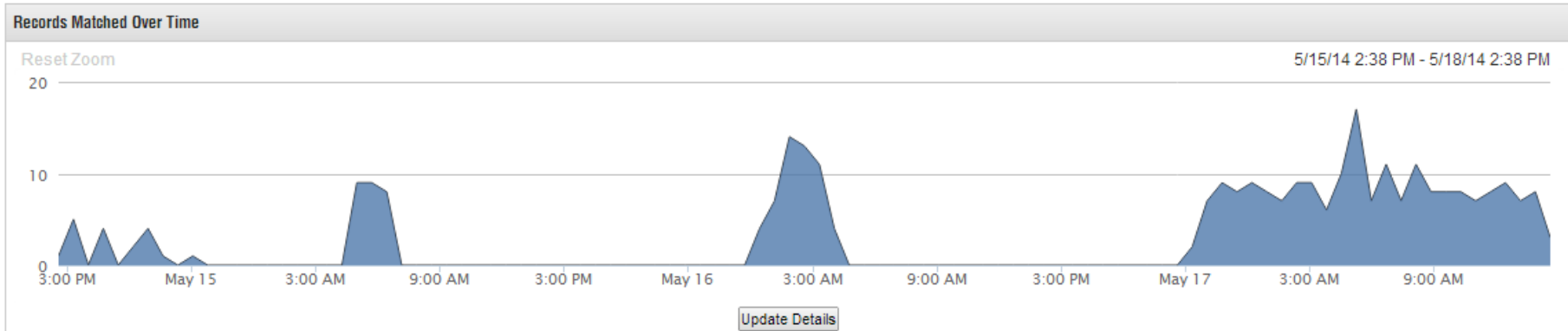
Better insight through better visualizations

Rick McCaskill
User Experience Lead - ISS

May, 2014

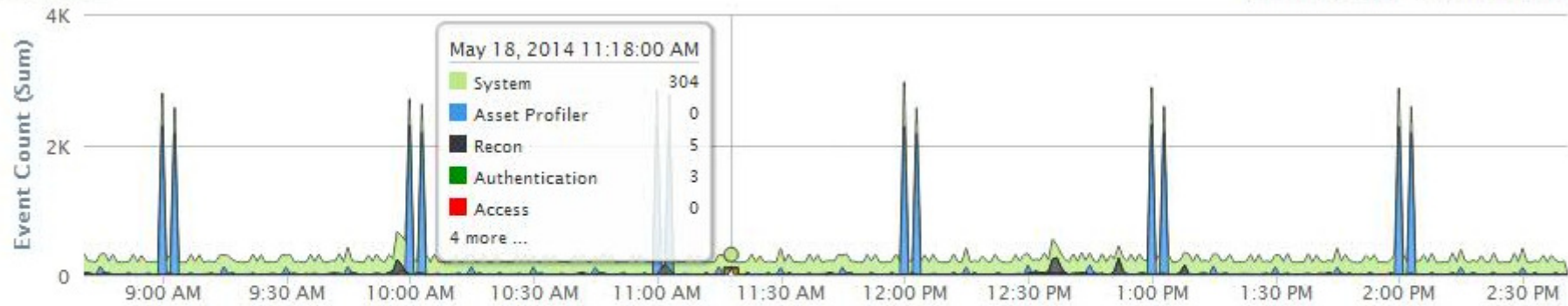


Any effort to help people
understand
the significance of data
by placing it in a
visual
context



Reset Zoom

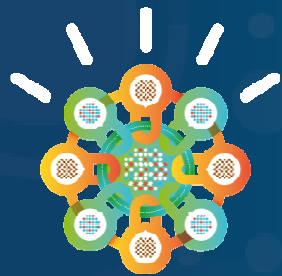
5/18/14 8:41 AM - 5/18/14 2:41 PM



Legend



Most Recent Reports		
Report Name	Generated	Formats
Hourly test	May 18, 2014, 2:00 PM	
_mj-hogan-lovell-test	May 18, 2014, 8:00 AM	
PCI 8.1 VI User Account, Role, Permission Additions and Changes - Daily	May 18, 2014, 1:11 AM	
PCI 10 VI Ensure Audit of Data - Daily	May 18, 2014, 1:11 AM	
Top Applications (Internet)	May 18, 2014, 1:10 AM	

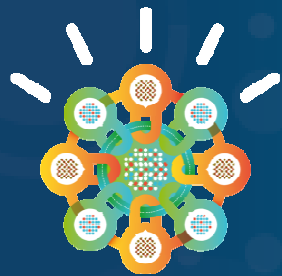


Visualization Demo

The good stuff

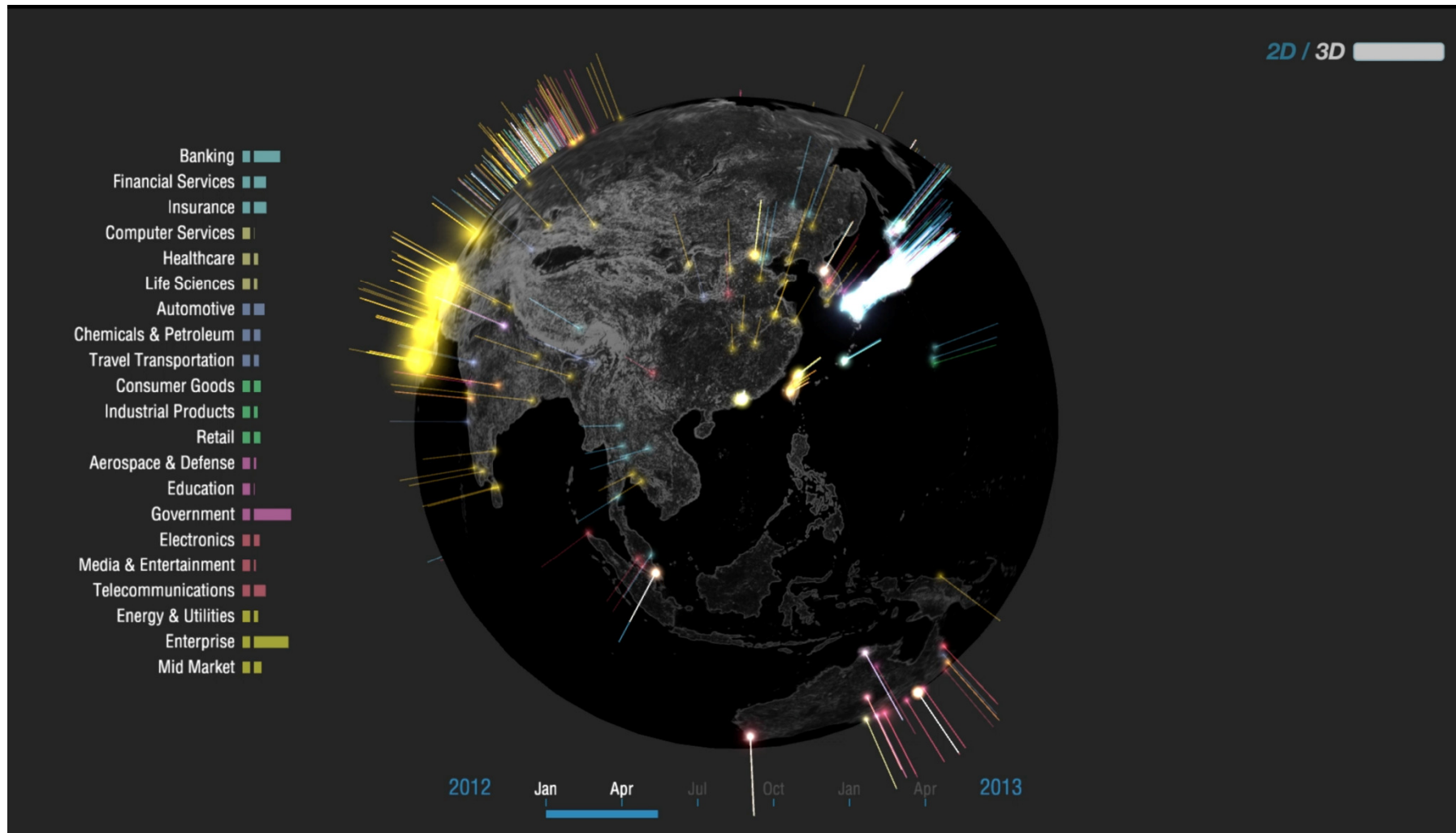
Visualizing Offenses

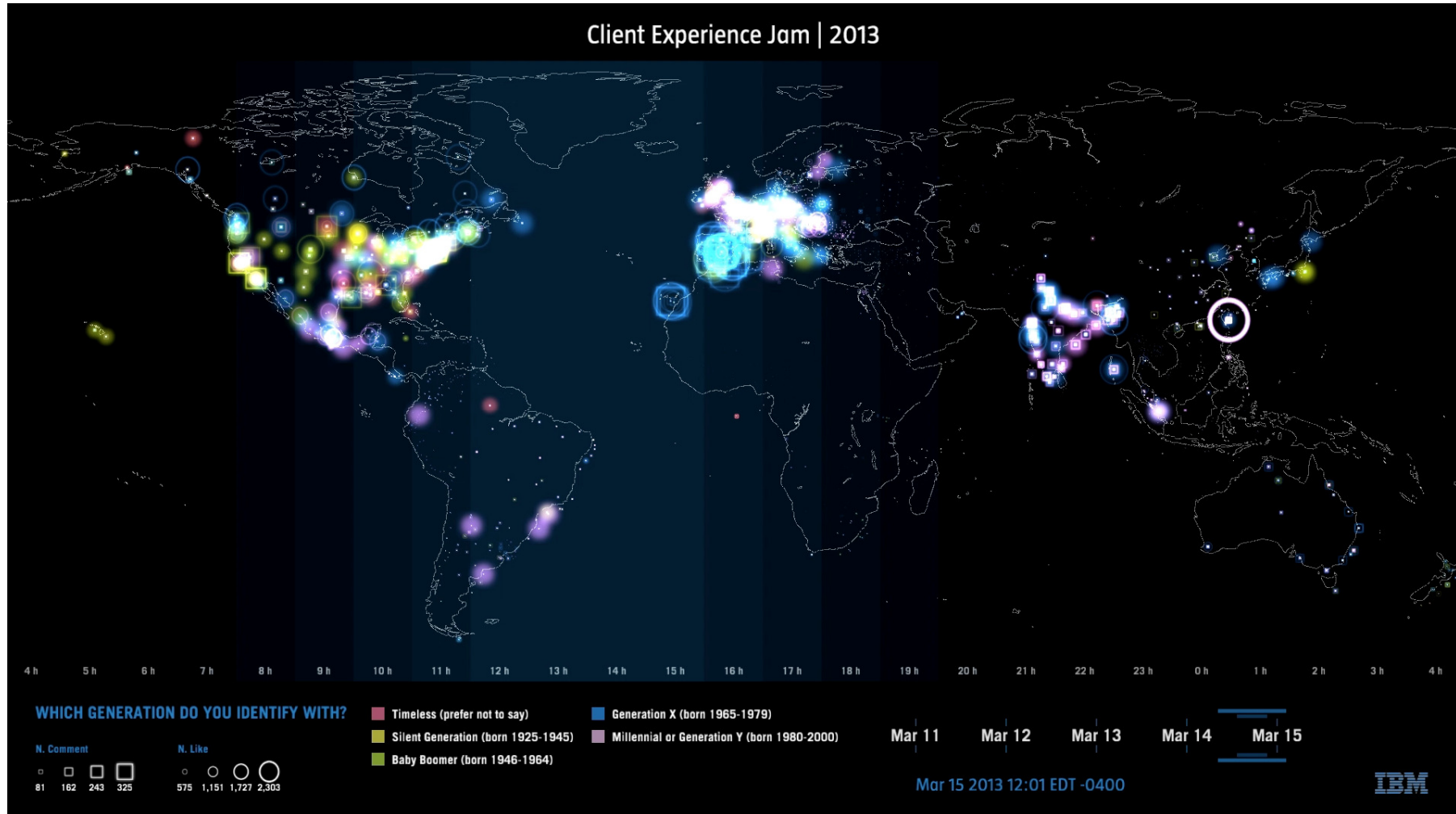
Visualizing Network Traffic



More Visualizations

Visualizations being explored in other areas of IBM

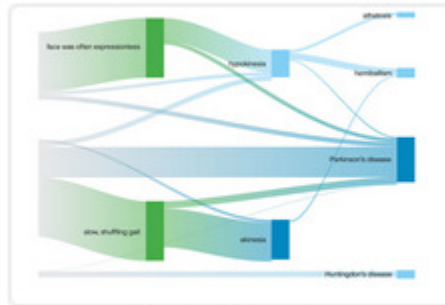




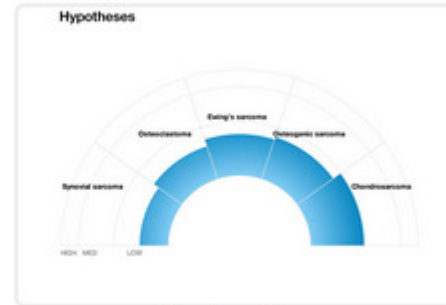
Watson Paths



Network.jpg

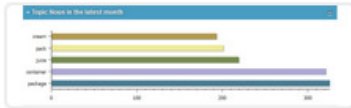


Sankey-Dia_.jpg

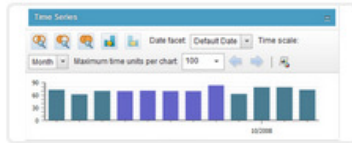


Sunburst.jpg

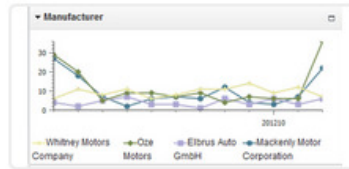
Watson Content Analytics



Bar.jpg



Column.jpg



Line.jpg



Network.jpg

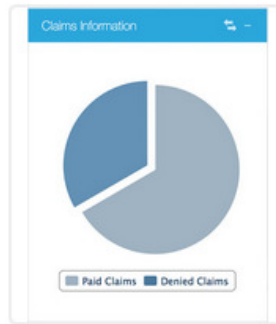
Watson Explorer



Column.jpg

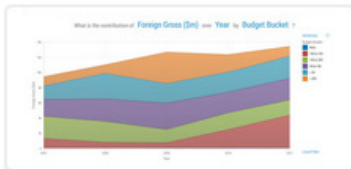


Histogram.jpg

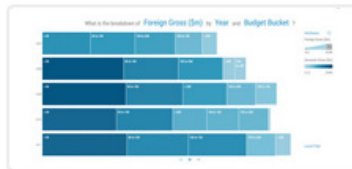


Pie.jpg

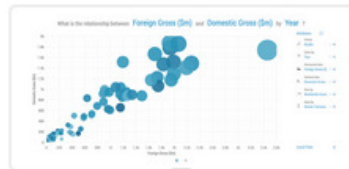
Watson Analytics



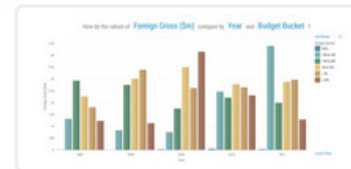
area.jpg



Bar Treema_.jpg



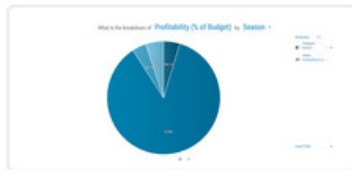
Bubble.jpg



Column.jpg



Line.jpg



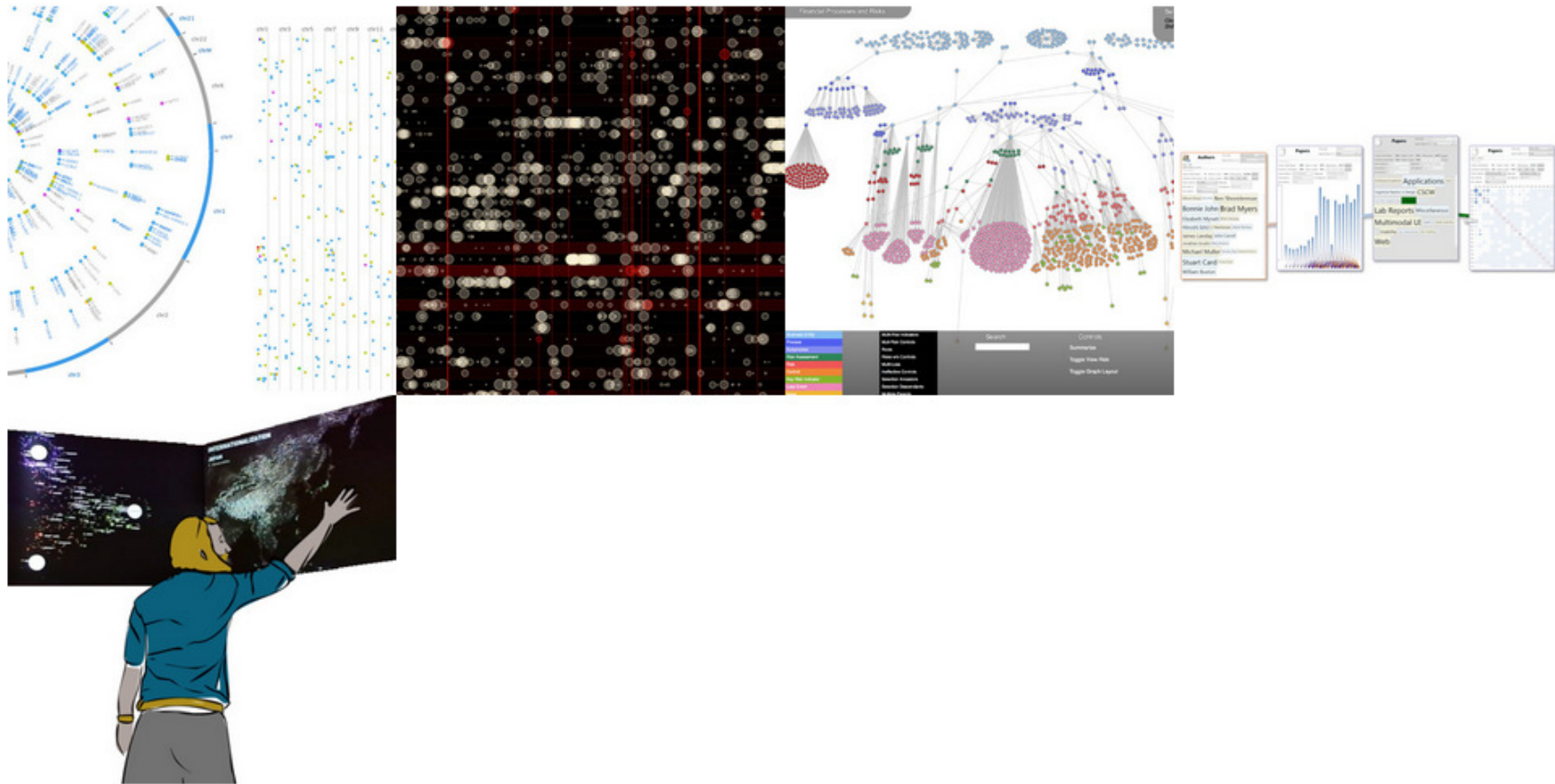
Pie.jpg

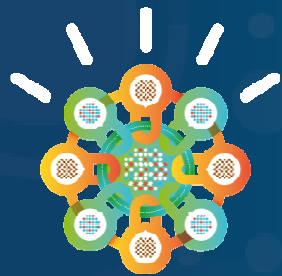


scatter-pl_.jpg



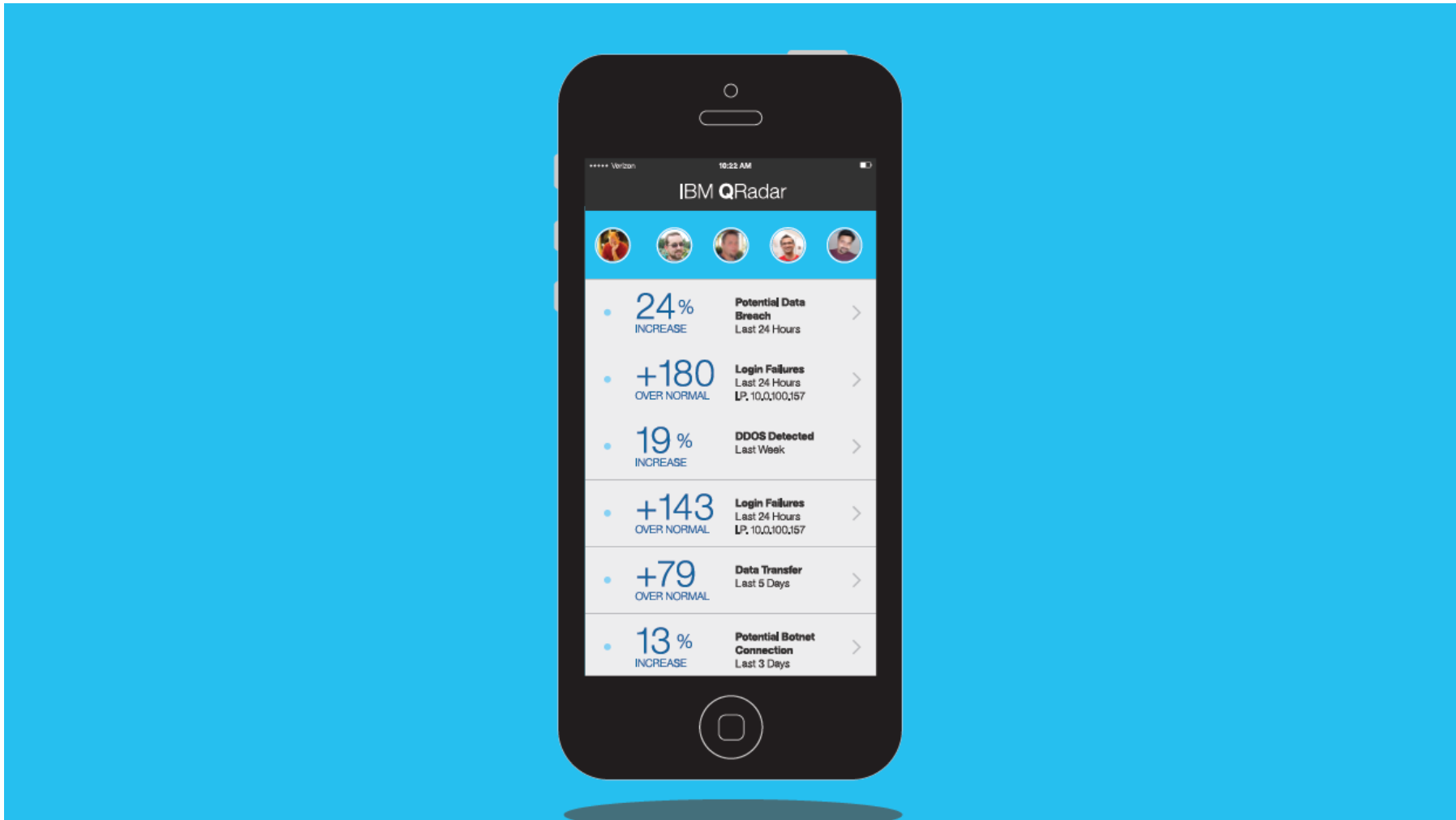
table.jpg





QRadar Reimagined

IBM Design Thinking Exercise with the Austin Design Studio



IBM QRadar

Trending Data

38% ↑
Firewall Deny
Last 24 Hours

24% ↑
Potential Data Breach
Last 2 Days

15% ↑
DDOS Detected
Last 3 Days

21% ↑
Potential Data Loss
Last Week

11% ↑
Suspicious Activity
Last 12 Hours

13% ↑
Misc Exploit
Last 24 Hours

24% ↑
Botnet Connection
Last Month

Firewall Deny, Last 24 Hours

Country	Color	Symbol	Description
Brazil	Light Blue	×	The radius of each circle correlates to the aggregated number of firewall denials detected in the last 24 hours.
Thailand	Yellow	×	
United Kingdom	Orange	×	
Russia	Purple	×	
Mexico	Red	×	
China	Green	×	
Japan	Dark Grey	×	
Other Countries	Light Grey	+	

Brazil
Firewall Deny,
Last 24 Hours

Increase: 38%
Rate: 78/hr
Highest Offending IP: 89.114.27.246

[Create New Case](#)

[Add to Existing Case](#)

IBM QRadar

Trending Data ×

38% ↑
Firewall Deny
Last 24 Hours

17% ↑
Potential Data Breach
Last 2 Days

15% ↑
DDOS Detected
Last 2 Days

11% ↑
Potential Data Loss
Last 2 Days

9% ↑
Suspicious Activity
Last 2 Days

180+
Misc Exploit
Last 2 Days

120+
Botnet Connection
Last 2 Days

89.114.27.246, Offenses in the Last Week

Offense Type	Count
Misc Exploit	2
DDOS Detected	1
Data Transfer	1
Potential Botnet Connection	9
Firewall Deny	10
Connection to Known Malware Site	1

Visualization Key

■ Misc Exploit	×	■ Potential Botnet Connection	×	The height of each bar correlates to the number of each offense type.
■ DDOS Detected	×	■ Firewall Deny	×	
■ Data Transfer	×	■ Connection to Known Malware Site	×	

Drag and drop content here to create a new case.

IBM QRadar 🔍 📄 👤

+

89.114.27.246 I.P. Case

Last edited March 27, 2014

📄 📄 ✕

Case Description:
This case will be an aggregation of data and intelligence on this Brazil I.P. Address.

Brazil, Firewall Deny, Last 24 Hours

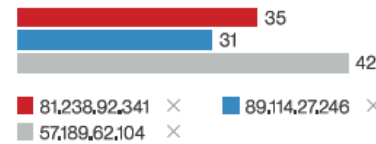


- 81.238.92.341 ✕
- 57.189.62.104 ✕
- 89.114.27.246 ✕

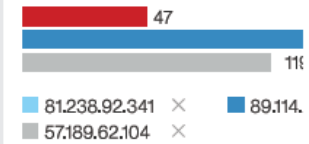
89.114.27.246, Potential Botnet Connections, Last Week

Offense I.D.	Destination IP.	Date
183	342.1.34.235.2	3/31
192	249.251.5.2.35	
124	013.5203.23.9	4/1
186	3263.47.34.10	
2930	235.48.203.11	4/2
235	01.045.8693.1	
264	935.36.820.9	
236	016.269.396.11	
194	253.3462.124	
236	0236.1002.00	4/3
349	13.4523.01.90	
392	2352.37.8421	
953	248.322.13.58	
854	172.408.41.52	4/4
602	254.176.37.89	

Brazil, Top 3 I.P. Addresses, Firewall Deny, Last Week

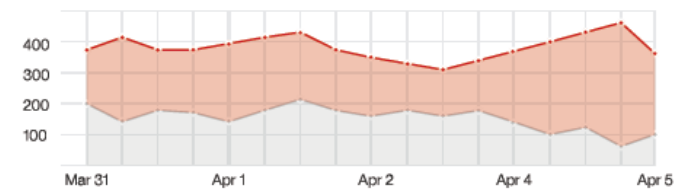


Brazil, Top 3 I.P. Addresses, All Offenses, Last Week



Case Shared with IT Team: I have created this case and have sent a version to the IP, team so that appropriate action can be taken on 89.114.27.246. Please continue to add appropriate information to build the case further. Thanks, Steven

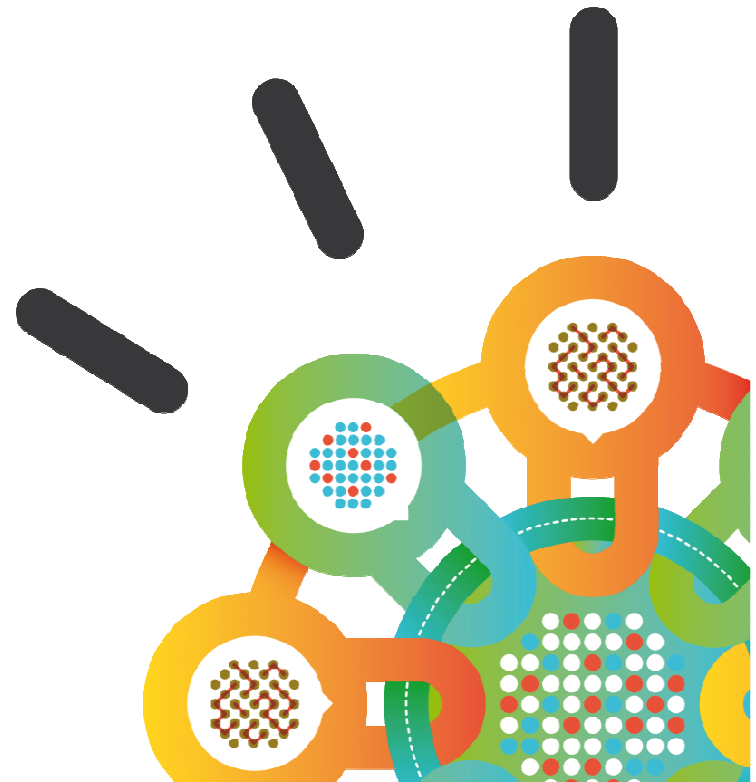
Brazil, Firewall Deny, Last Week



Security Intelligence.
Think Integrated.

Come and find me,
Rick McCaskill.

Let's talk about what
visualizations can make
your work easier.



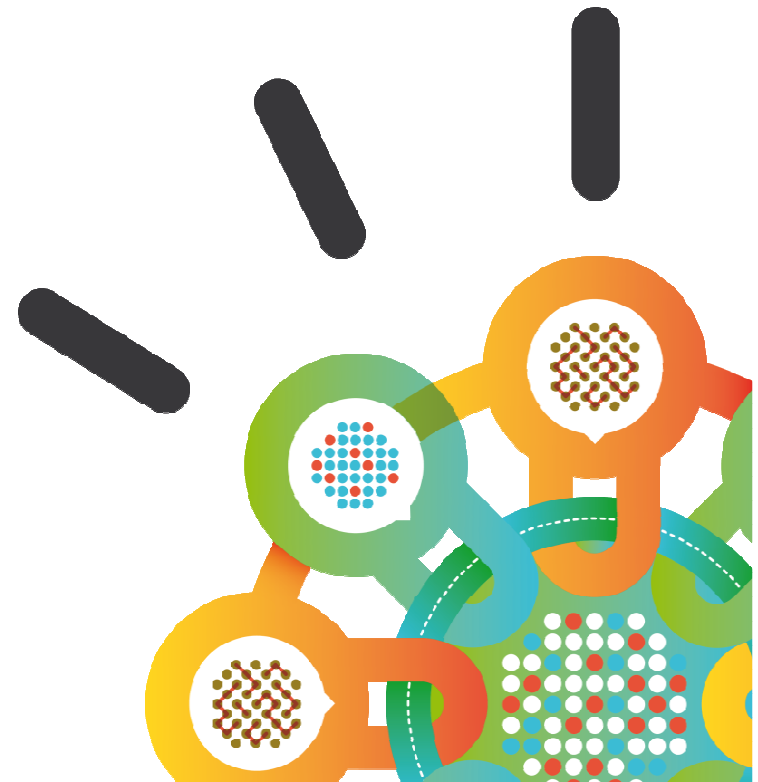


ibm.com/security

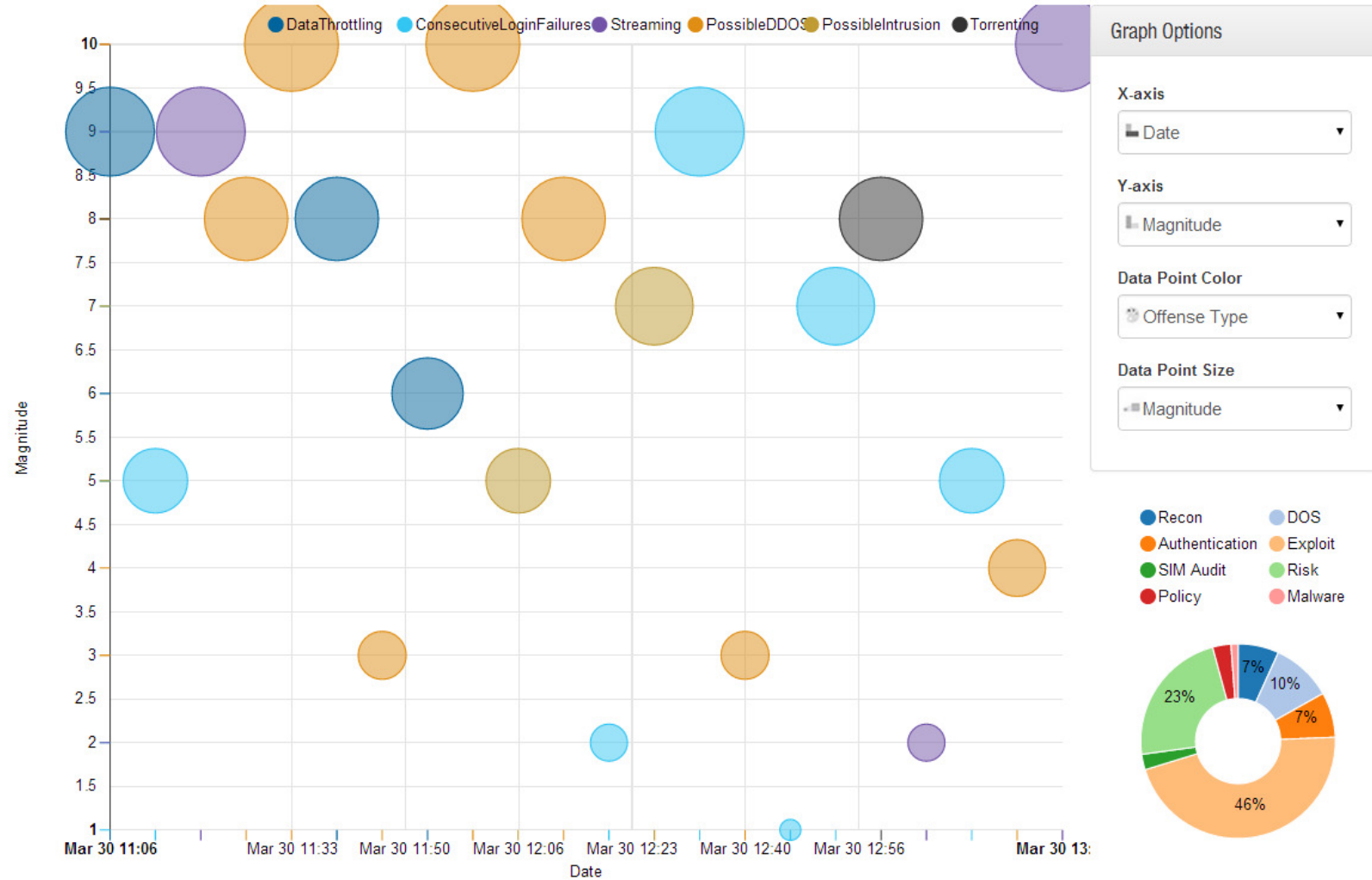
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Security Intelligence.
Think Integrated.

**Back-up slides
(in case of demo issues)**



Offenses



Your current offenses are visualized above. Use the controls in 'Graph Options' to control the visualization and tailor it to your needs.

Events on UNB Primary Network

- **Search** External Events Only
- **Last** 15 Minutes
- **Aggregated by** Event Type

- ▶ VPN Login
- ▶ Secure Login Attempt
- ▶ P2P Handshake
- ▶ Internal Proxy Out Connection
- ▶ MSFT Remote Desktop Attempt
- ▶ BitTorrent Peer Connection
- ▶ File Transfer FTP

