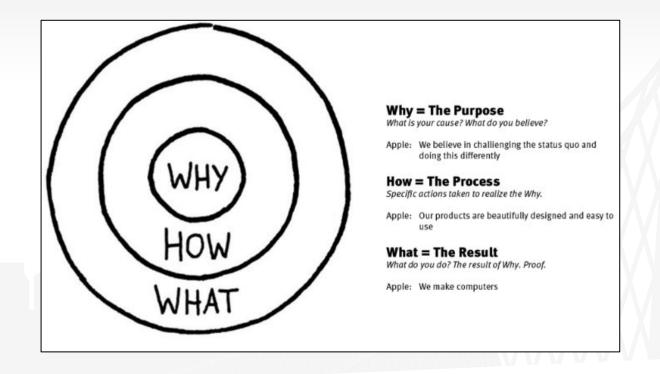


CONTROL CONVERGE 17



Start with Why by Simon Sinek





The Why: Objective of Risk Scoring

- Measure risk across multiple planes.
- Motivate users and system owners to reduce risk.
- Track improvement over time.
- Provide a single score for every user and every device.
- Enable senior management a conduit to support risk program.
- Inspire competition through gamification.



The How: Scoring Methodology

- Typical scoring has 100% as perfect score. Risk scoring is the opposite.
- Risk scoring is the aggregated (weighted) score.
- The higher the score, the greater the risk with zero as a perfect score.
- Score of a single object (i.e. user).
- Score of a set of objects (i.e. a team).



The What: Scoring Components

- Software Vulnerabilities.
- Patches (OS & application-level).
- Security Compliance.
- Anti-Virus.
- Standard Operating Environment Compliance.
- Cyber Security Awareness Training.
- Malicious and Behavior Analytics.



Risk Score

- 0 to 100 (0=, 100=)
- Base Score
 - 20% Tanium Comply Score
 - 20% Critical OS Patches1
 - 0% 3rd Party App Versions
 - 10% Anti-Virus
 - 10% Tanium SOE/Health Check
 - 10% User Behavior Analytics
 - 10% Operating System Score
 - -5% Encryption
 - 5% Malicious Analytics

Score Multipliers
(super secret deep machine learning Almath formula)

where
ts = total score
m = incremental increase in %
n = number of occurrences of risk
above redline threshold



Data Sets and Tools

- Tanium Platform Core, Comply, Threat Response, Discover, Patch, Integrity Monitor
- Splunk
- Sophos
- PhishMe
- Bitlocker, FileVault
- HR Management Software



Splunk? Why Splunk?

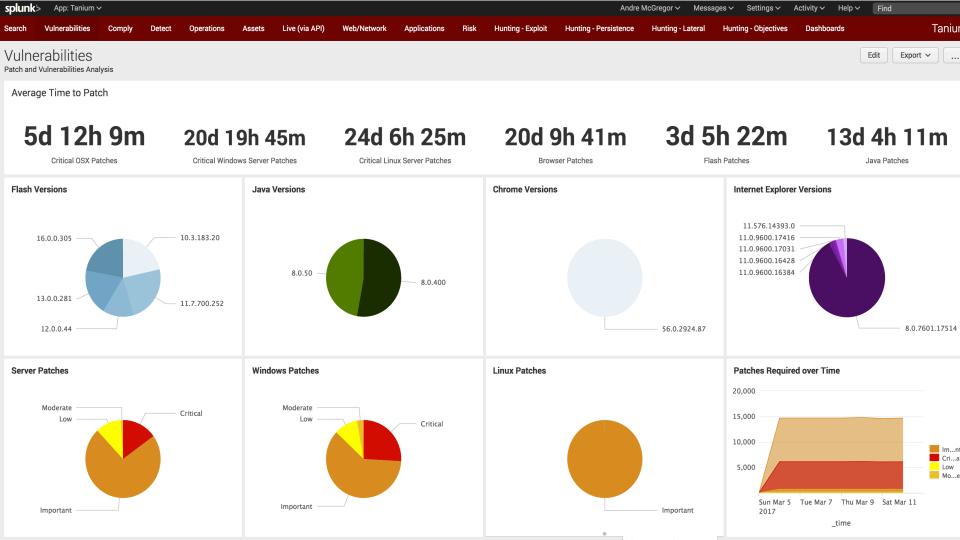
- Easy to dump raw data, normalize, and resolve anomalies.
- Can handle large data sets and large quantities of data.
- Front end dashboards easy to design and edit.
- Can handle high frequency of API calls without added costs.
- Tanium data + Splunk visualization.

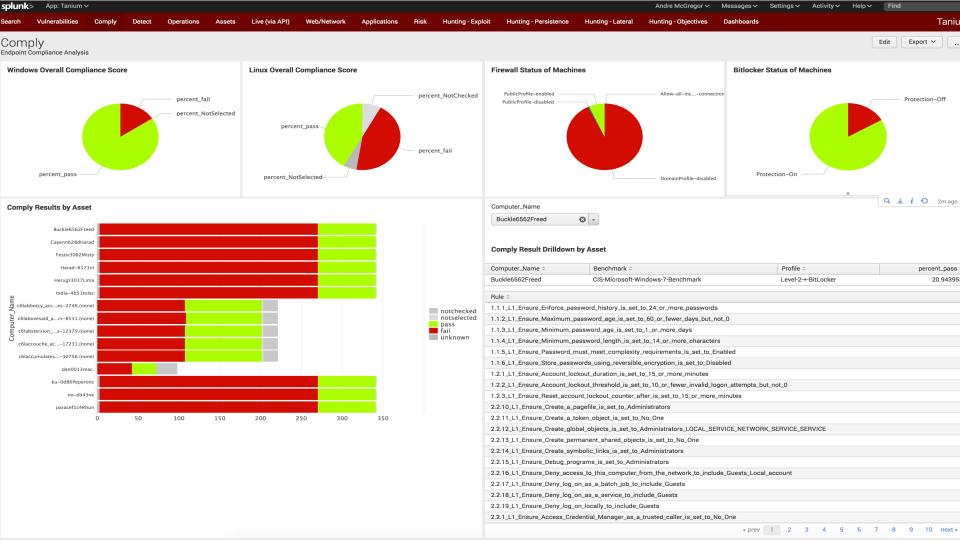


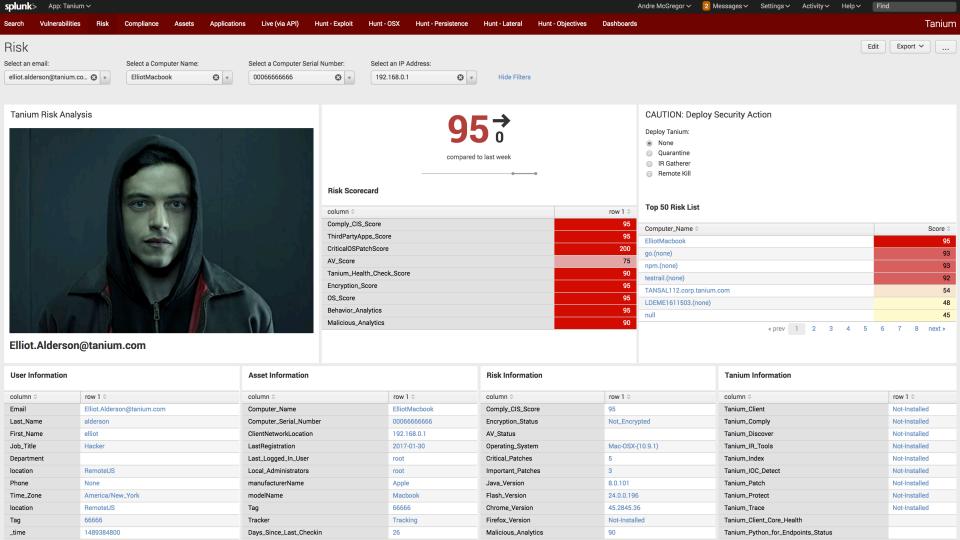
Collect the Data

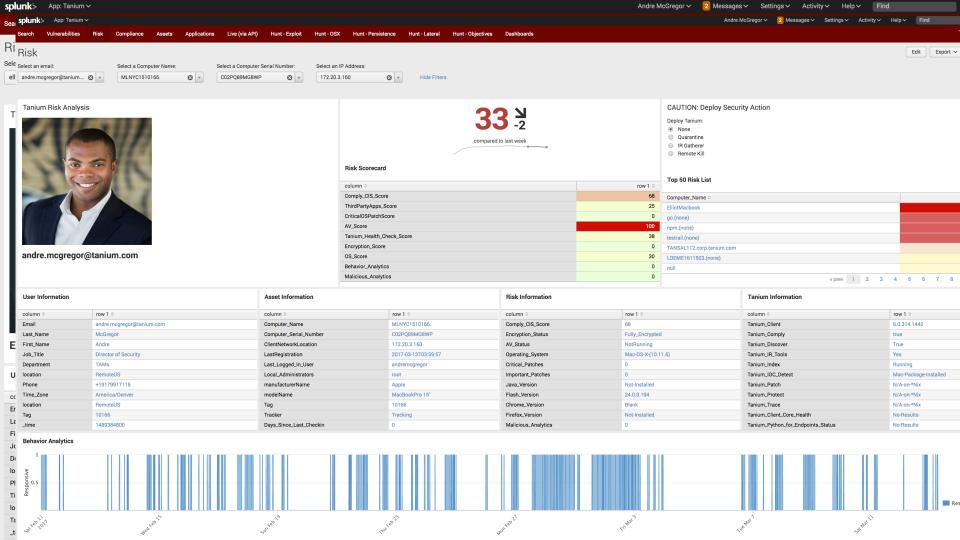
- Tanium asks the Questions
- Uses Connect to send to splunk
- Splunk collects the logs
- We create visualizations and actionable intelligence











Version 2.0 and Next Steps...

Automate!

- -Speed up IR
- -Score > 80 = send alert!
- -Score > 50 + other alert = IR Gatherer!
 -Score > 90 + other alert = Quarantine!



Gamification

- What's my Score?
- What is my score compared to my peers?
- How can I make it better?
- Team Scoreboards



TANIUM CONTROL CONVERGE 17

