

Splunk Phantom at Starbucks

SEC 1979

Mike Hughes, Director of Information Security, Starbucks Sourabh Satish, VP and Distinguished Engineer, Splunk

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Splunk Phantom Overview

Sourabh Satish

VP & Distinguished Engineer Splunk Phantom



Security Operations Problems



Resources

Resource **shortage of 1 million** security professionals



Products

Endless assembly line of point products



Alerts

Escalating volume of *security alerts*



Static

Static independent controls with *no orchestration*



Speed

Speed of detection, triage, & response time *must improve*



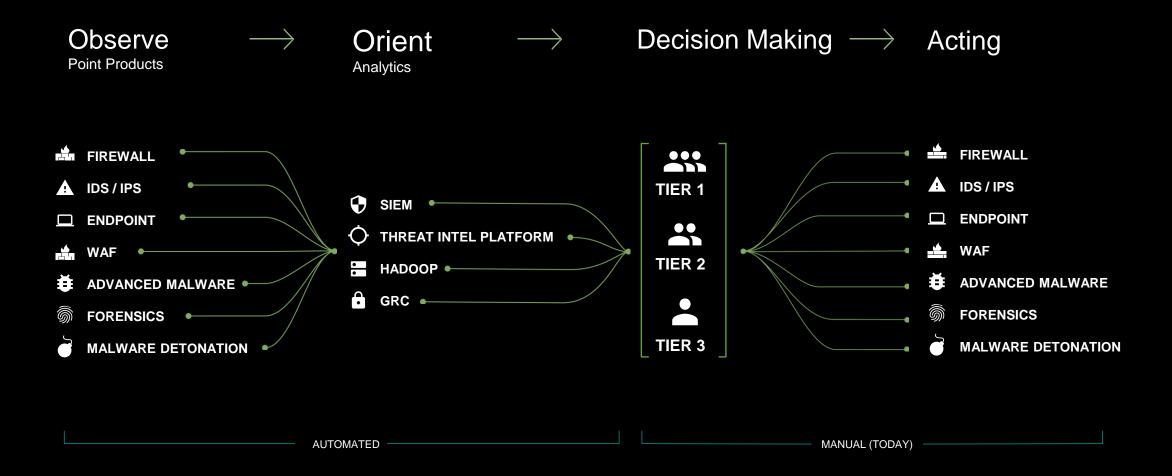
Costs

Costs continue to increase



SOAR for Security Operations

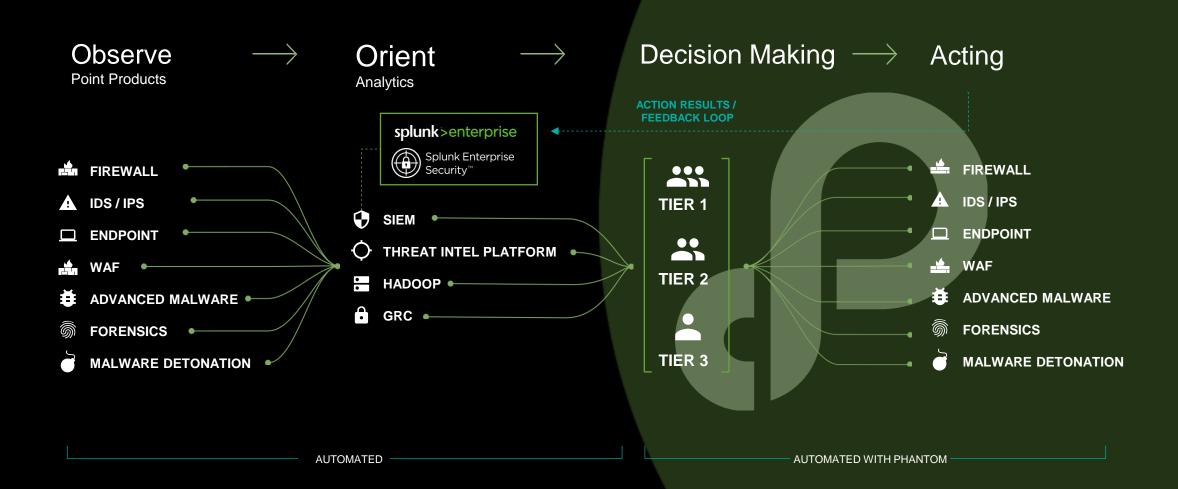
Faster execution through the loop yields better security





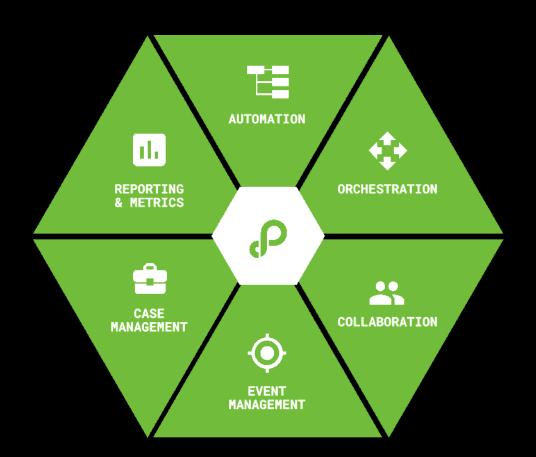
SOAR for Security Operations

Faster execution through the loop yields better security



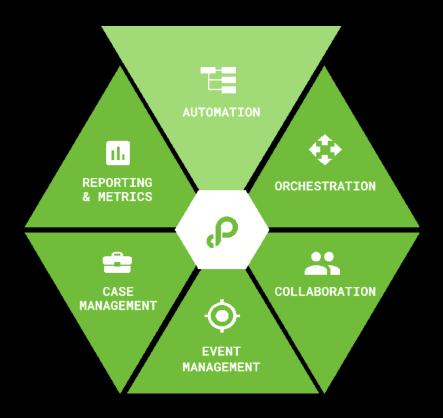
Operationalizing Security

With Splunk Phantom



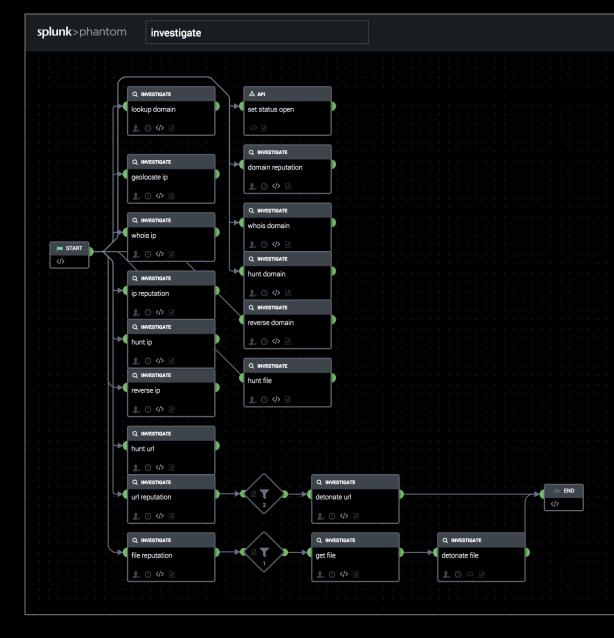
Integrate your team, processes, and tools together.

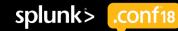
- Work smarter by automating repetitive tasks allowing analysts to focus on more mission-critical tasks.
- Respond faster and reduce dwell times with automated detection, investigation, and response.
- Strengthen defenses by integrating existing security infrastructure together so that each part is an active participant.

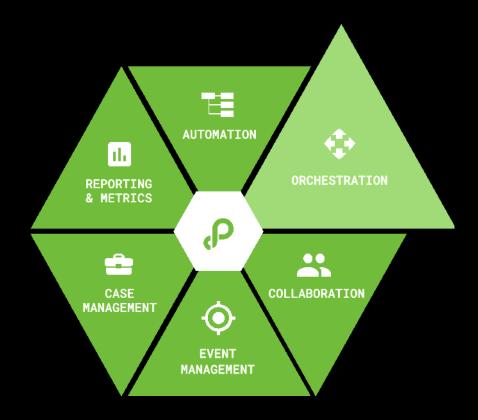


Automation

- Automate repetitive tasks to force multiply team efforts.
- Execute automated actions in seconds versus hours.
- Pre-fetch intelligence to support decision making.







Orchestration

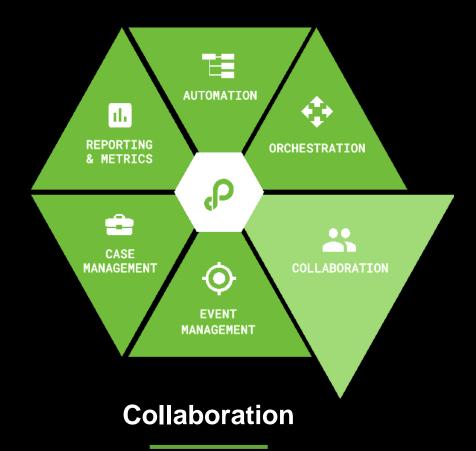
Coordinate complex workflows across your SOC.

225+ 2000+

APPS & GROWING

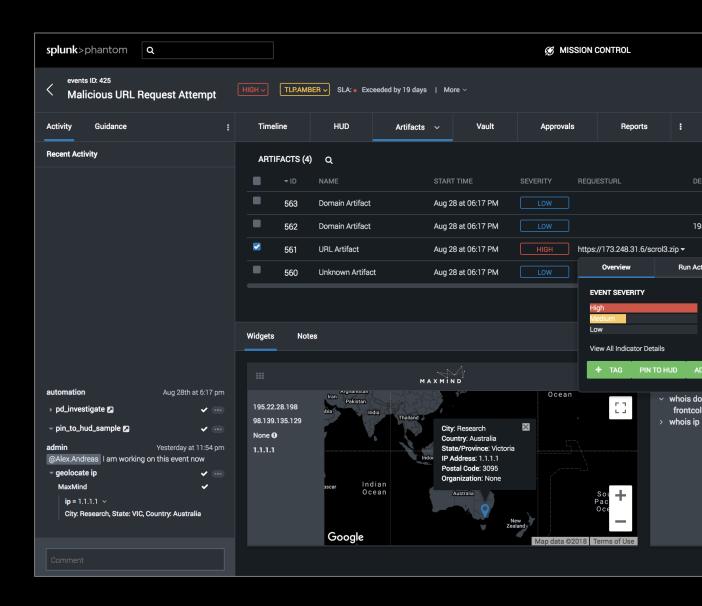




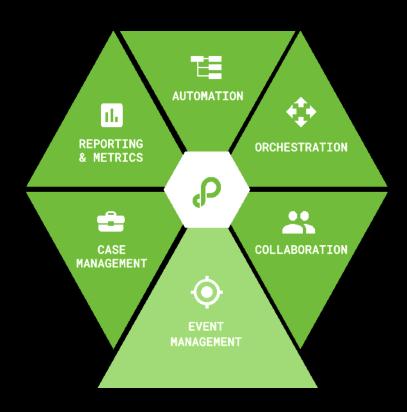


- Communicate without losing context of the mission.
- Share items of interest with your team.
- Tap into collective knowledge with Phantom Mission Experts™.

Jan 37:153] "GET / Category.screen?category_id=GIFTS&JSESSIONID=SDISL4FF19ADFF10 HTTP 1.1" 404 720 "http://buttercup-shopping.com/category.screen?category.id=GIFTS&JSESSIONID=SDISL4FF19ADFF10 HTTP 1.1" 404 322 "http://buttercup-shopping.com/cat-category.id=GIFTS&JSESSIONID=SDISL4FF19ADFF10 HTTP 1.1" 404 322 "http://buttercup-shopping.com/cat-category.id=2423 "http://buttercup-shopping.com/category.id=2423 "http://buttercup-shoppin

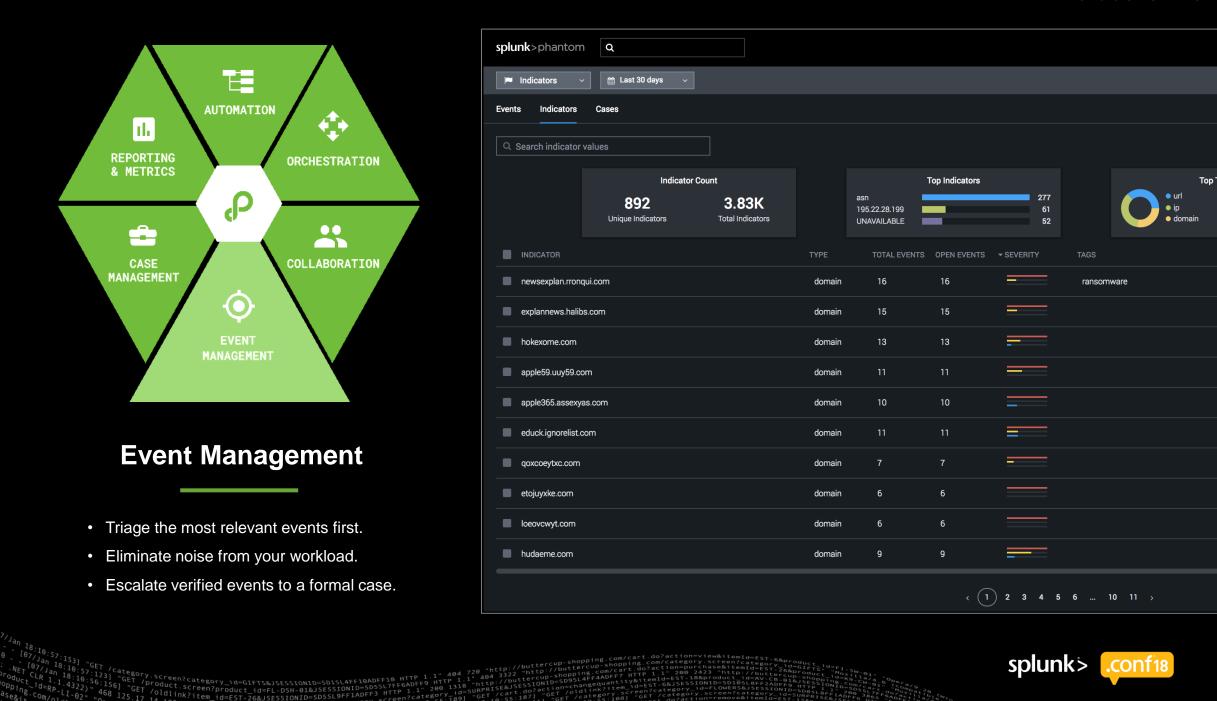




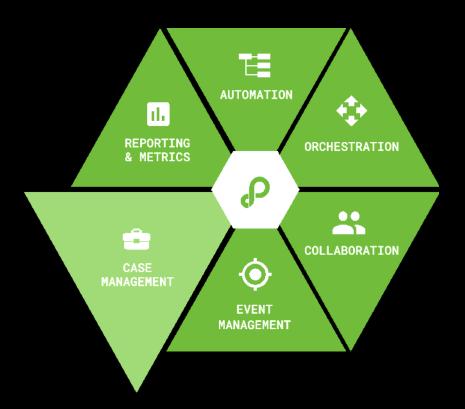


Event Management

- · Triage the most relevant events first.
- Eliminate noise from your workload.
- · Escalate verified events to a formal case.

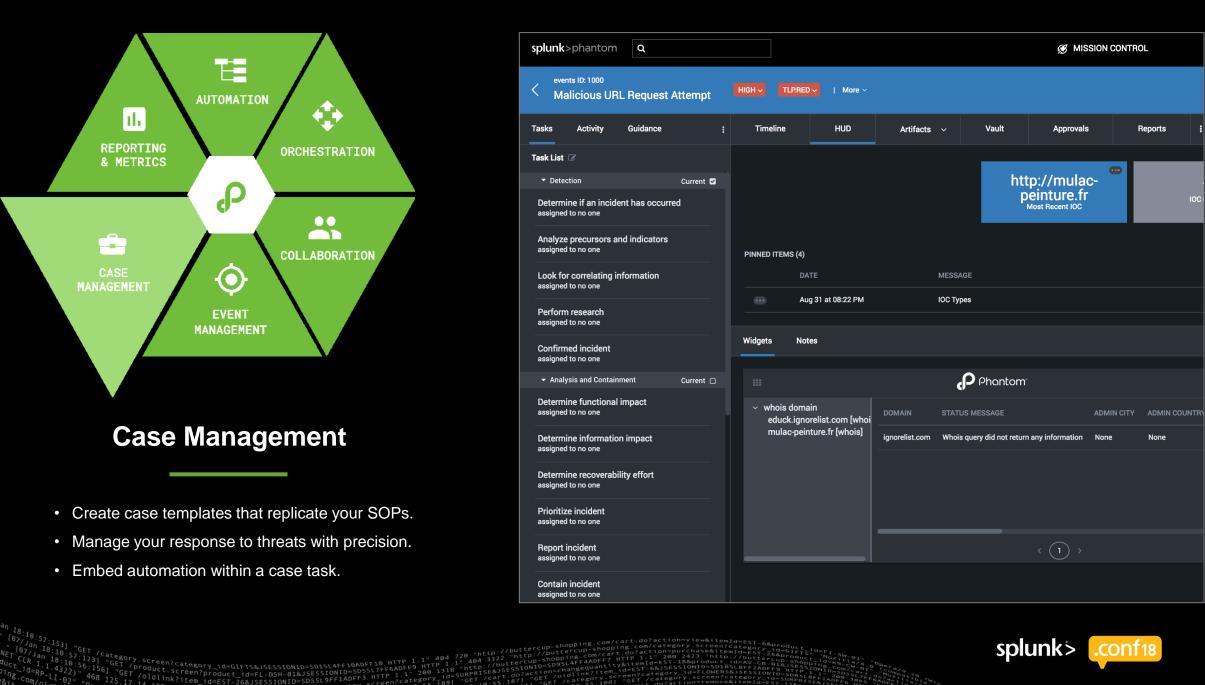




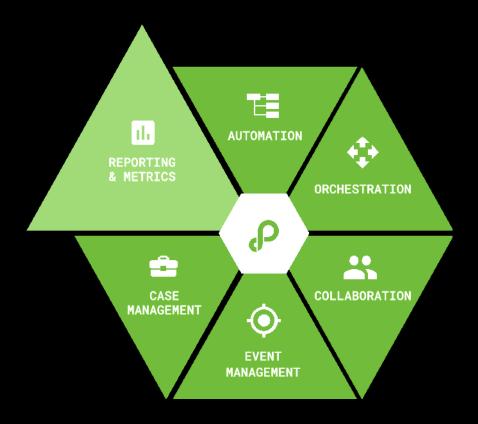


Case Management

- Create case templates that replicate your SOPs.
- Manage your response to threats with precision.
- Embed automation within a case task.



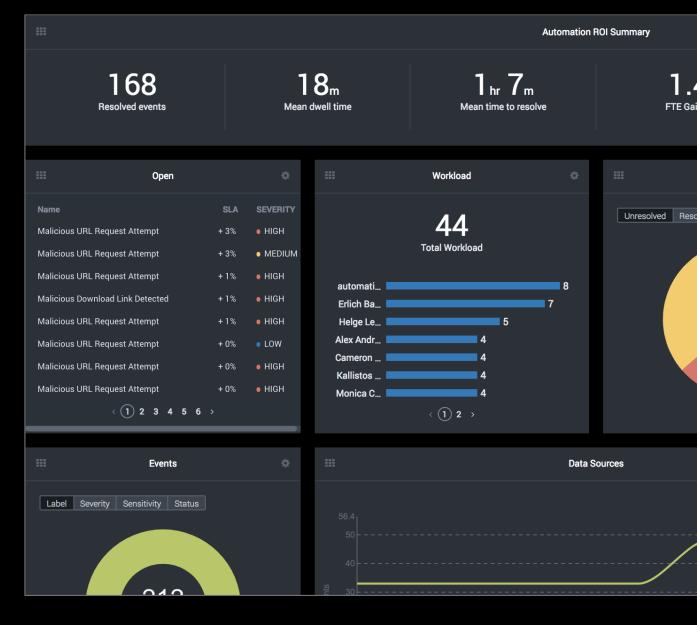




Reporting & Metrics

- Quickly assess operational status and team performance.
- Conduct post-mortem case review.
- Demonstrate return on your organization's security investment.

[153] "GET /Category.screen?category_id=GIFTS&JSESSIONID=SDISL4FF10ADFF10 HTTP 1.1" 404 720 "http://buttercup-shopping.com/category.screen?screen?category.scr





SOAR Use Cases

Operations



Tier 1 Security Analyst



Tier 2 Threat Response



Tier 3
Threat Response



Phishing Investigation



Threat Hunting



Threat Intelligence



Malware Investigation



Event Triage



Insider Threat Team

Management



SOC Director



Chief Information Security Officer



Team Performance



Process & Operations

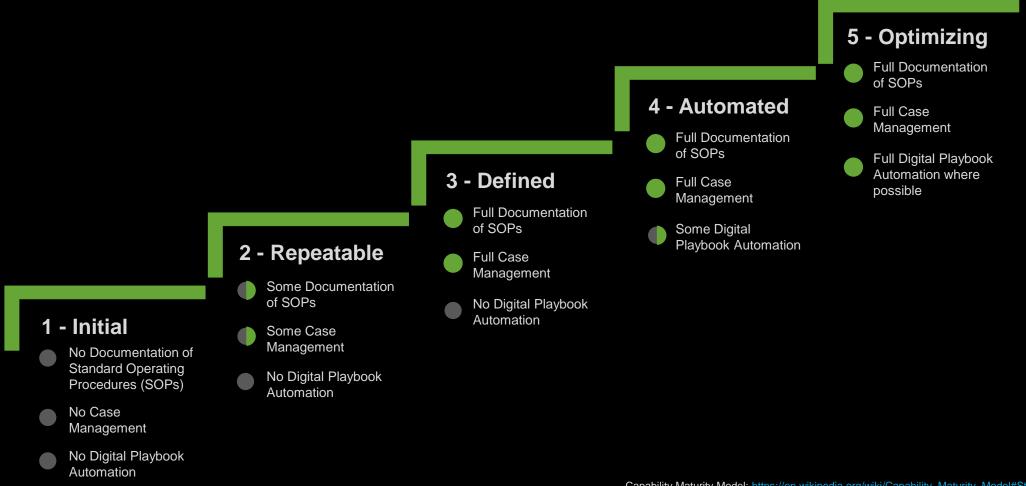


Metrics & Reporting



SOC Maturity Model

For optimum efficacy and efficiency



Capability Maturity Model: https://en.wikipedia.org/wiki/Capability_Maturity_Model#Structure







SecOps Use Cases

Mike Hughes

Director of Information Security
Starbucks Coffee Company



Who is the adversary?

Your adversary is NOT a super villain







Who are they really?



Nation States



Organized Crime



General Hackers



The Insider

Additional challenges

- Security Talent is harder than ever to find
 - 1.1mm+ positions available without proper talent pipelines
- Malicious activity continues to grow
- The pace of IT deployment is not slowing down

Focus on the volume



Vulnerability Management



Antivirus

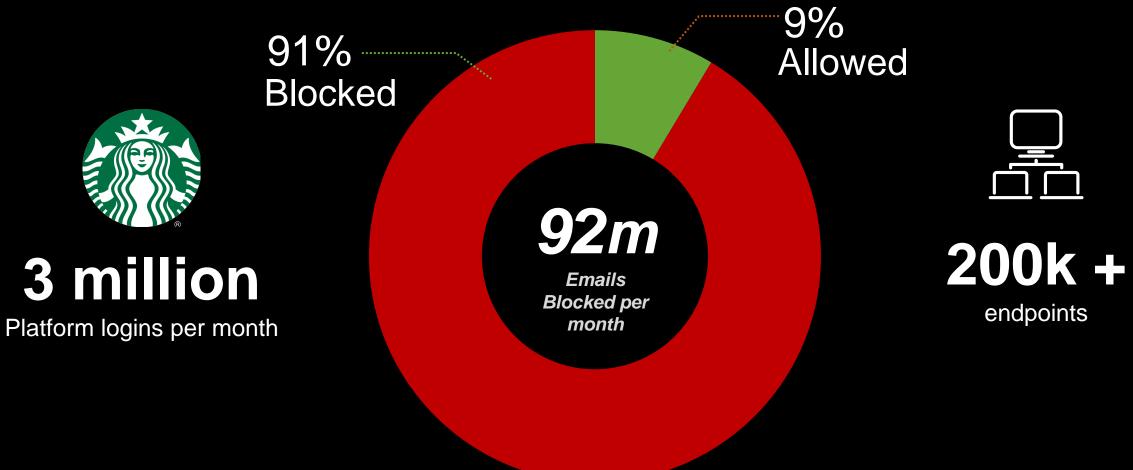


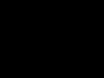
Identity Management



Mail Hygiene

Starbucks by the numbers







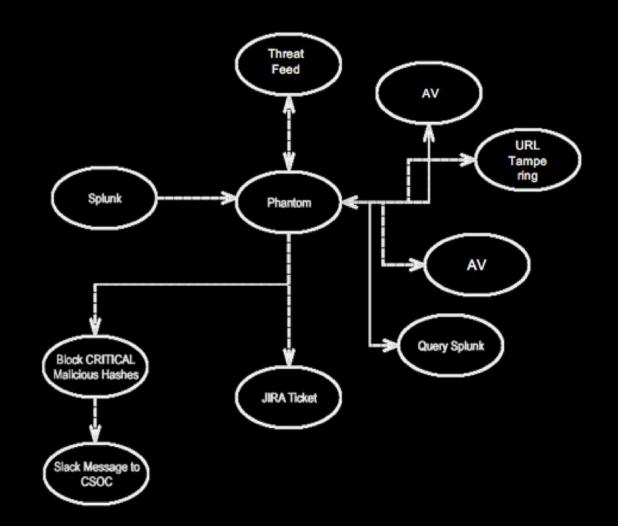
Automation Goals

- Eliminate the most time consuming tasks
- Automate the highest volume items
- Take away the boring tasks
- Measure the ROI



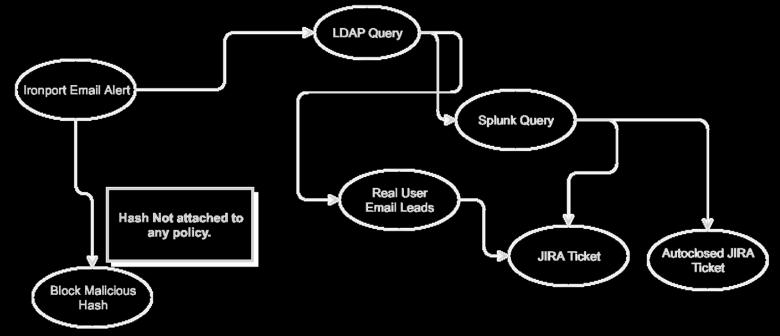
Use case: Malware Triage & Response

- Notable is identified via the SIEM
- Event is pushed to the Automation engine
- Platform tools are queried
- Based on scoring, action is or is not taken
- Ticket is opened



Use case: Mail Hygiene

- Retrospective verdict is rendered
- Hash blocks issued
- Query for user information
- Query for prior action
- Open ticket if required

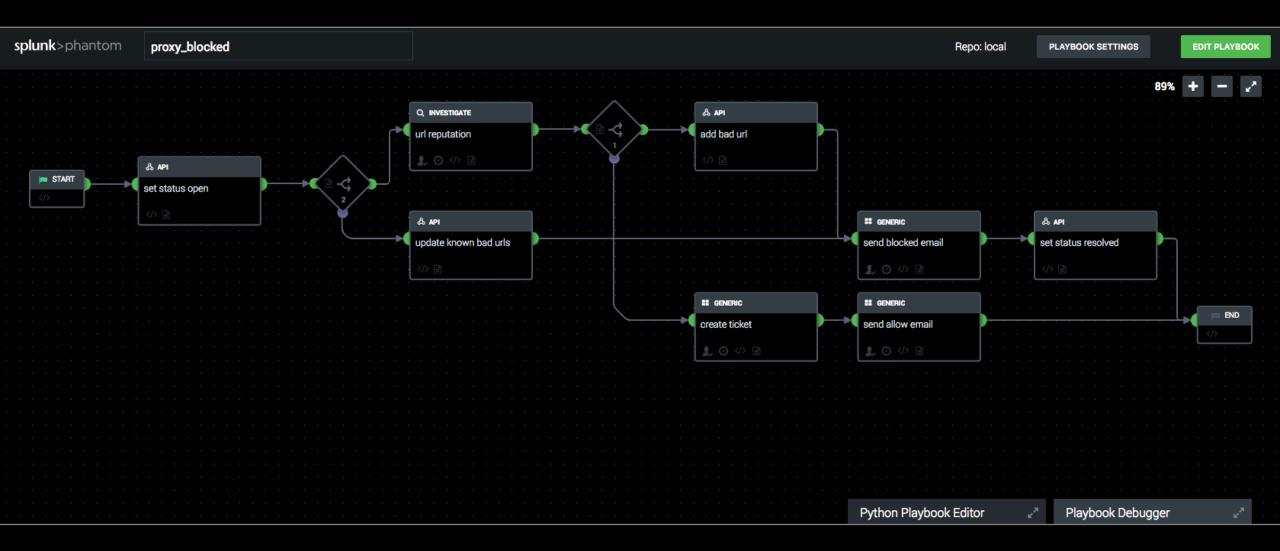


Additional Use Cases

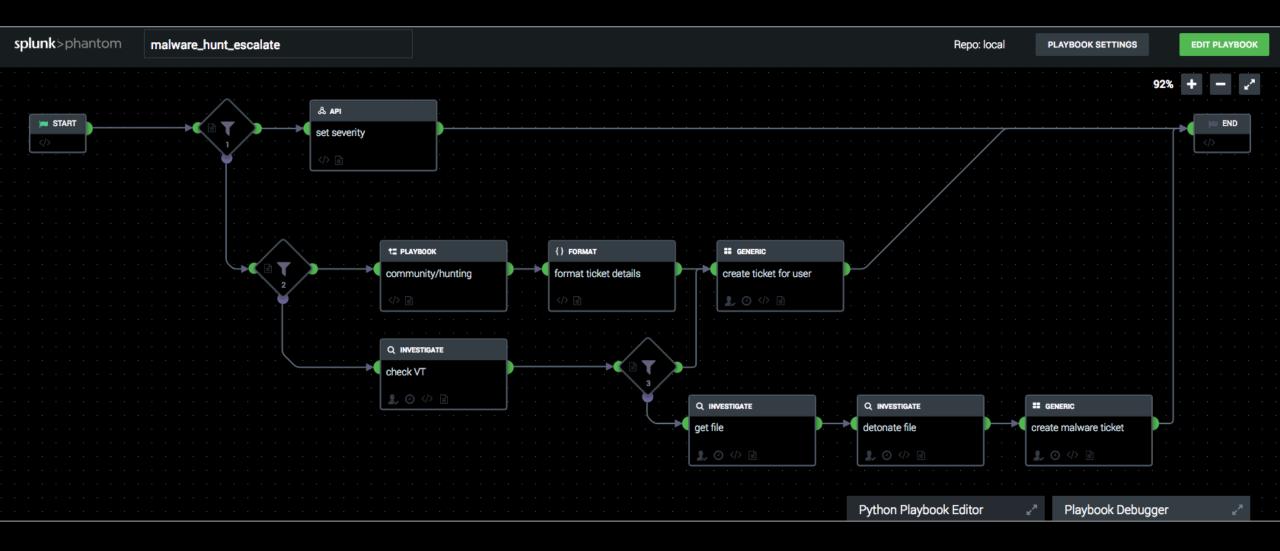
Sourabh Satish
VP & Distinguished Engineer
Splunk Phantom



Use case: Automated URL Block via Proxy



Use case: Commodity Malware



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