Splunk Phantom Ignition

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Why Bother?

Automation is a lot of work and cost to implement

Houston, We Have a Problem

Everything is growing except your team

IT Platform Infrastructure

Security Stack

Threat Landscape

Privacy and Regulatory Reqs

Getting Ready

"Read all instructions before starting your exam"

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Before You Do Anything

Know where you are going

Implementation

- Interactive
  - Analysts work in the platform
- Non-Interactive
  - Analysts work elsewhere

Choose carefully, migrating later is messy

Content

- Triggers
  - Logs & Alerts
- Automation
  - Time
  - Effort

Automation isn't for everything

Documentation

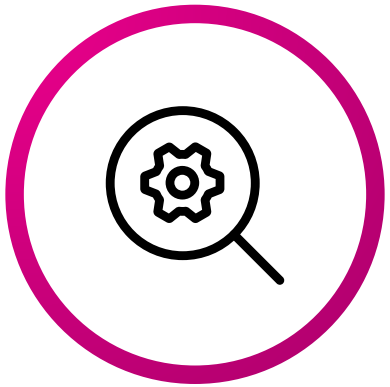
- What are you doing now?
  - Is it specific?
  - Is it effective?
  - Are you actually doing it that way?

You can't automate what you don't know

Blueprints

Because everyone hates you when you wing it

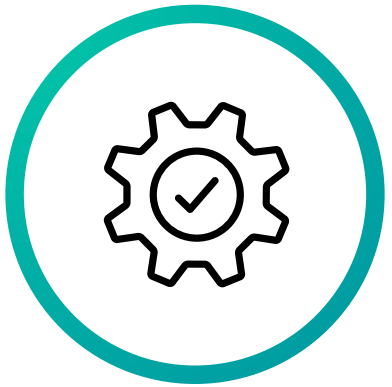
Scope Your Operations



Break Down Your Dependencies

Specify Human Interactions

Automate Closure



Data Presentation

How will you present data to support the way you work?

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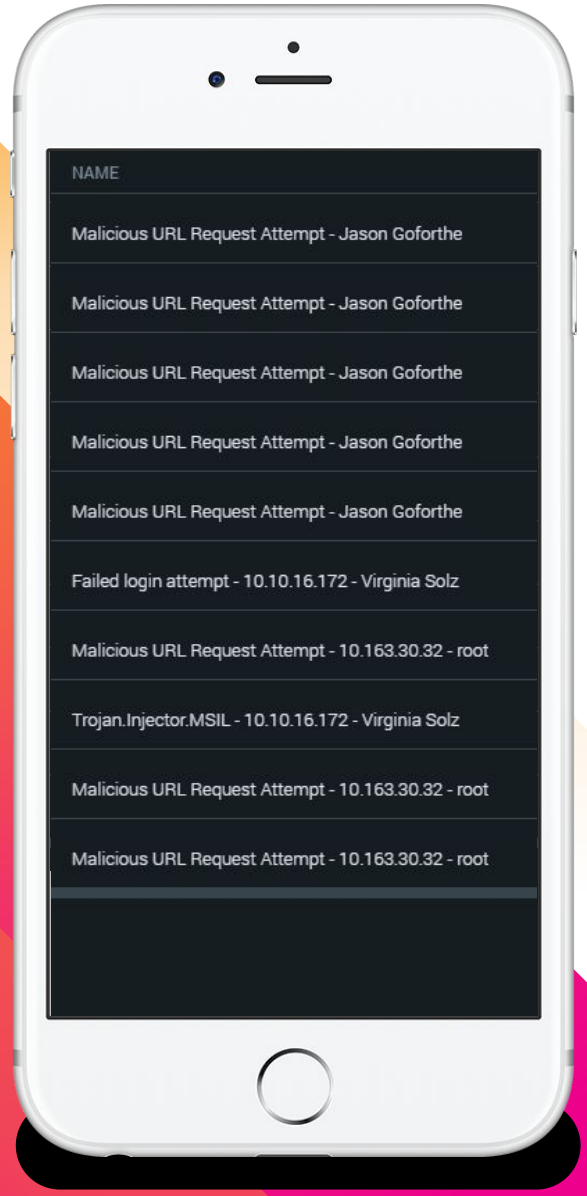
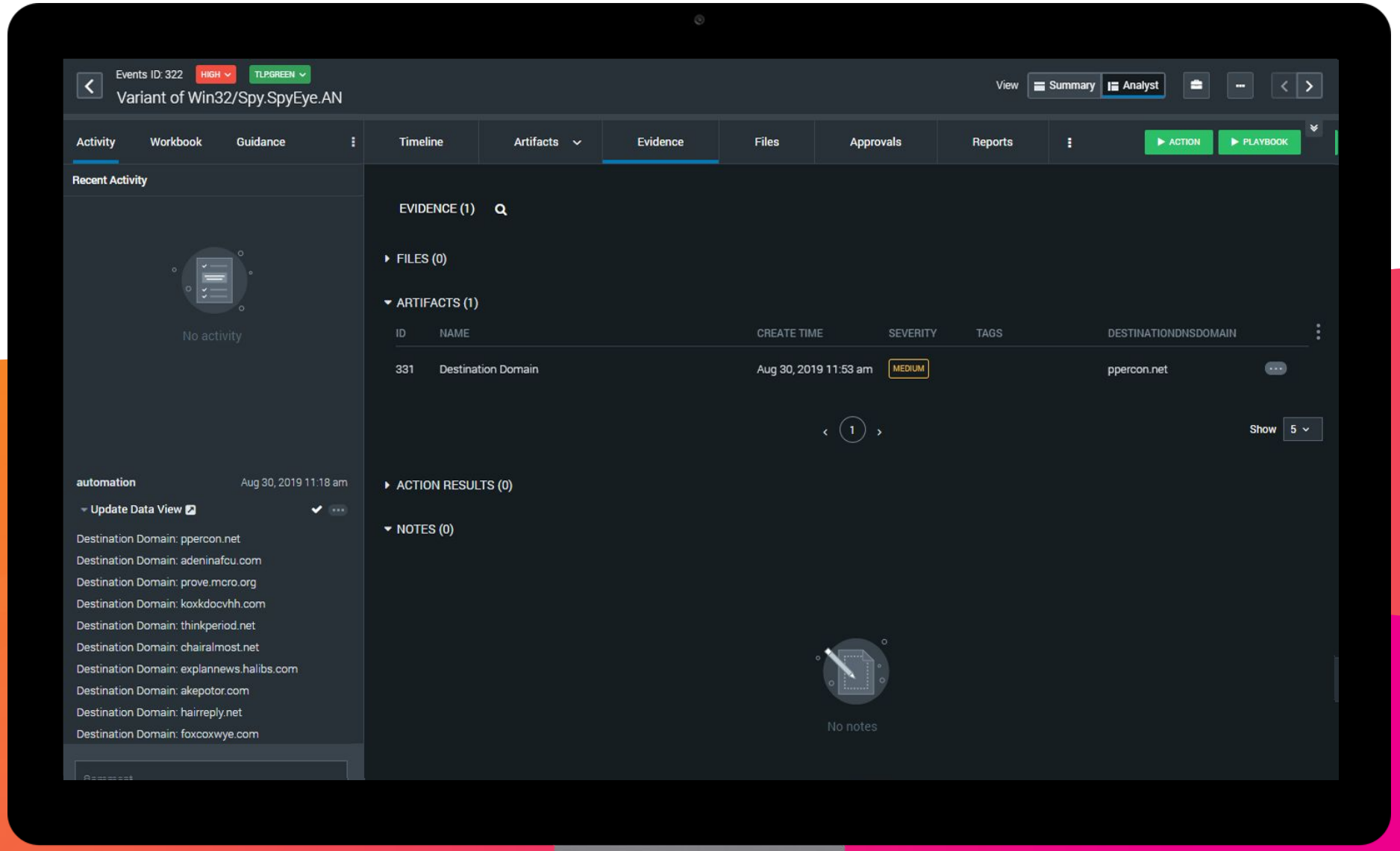


Automate Data Tasks

- Rename your containers with context
- Push the most important details to the visible locations
- Duplicate action data into artifacts, evidence, or comments



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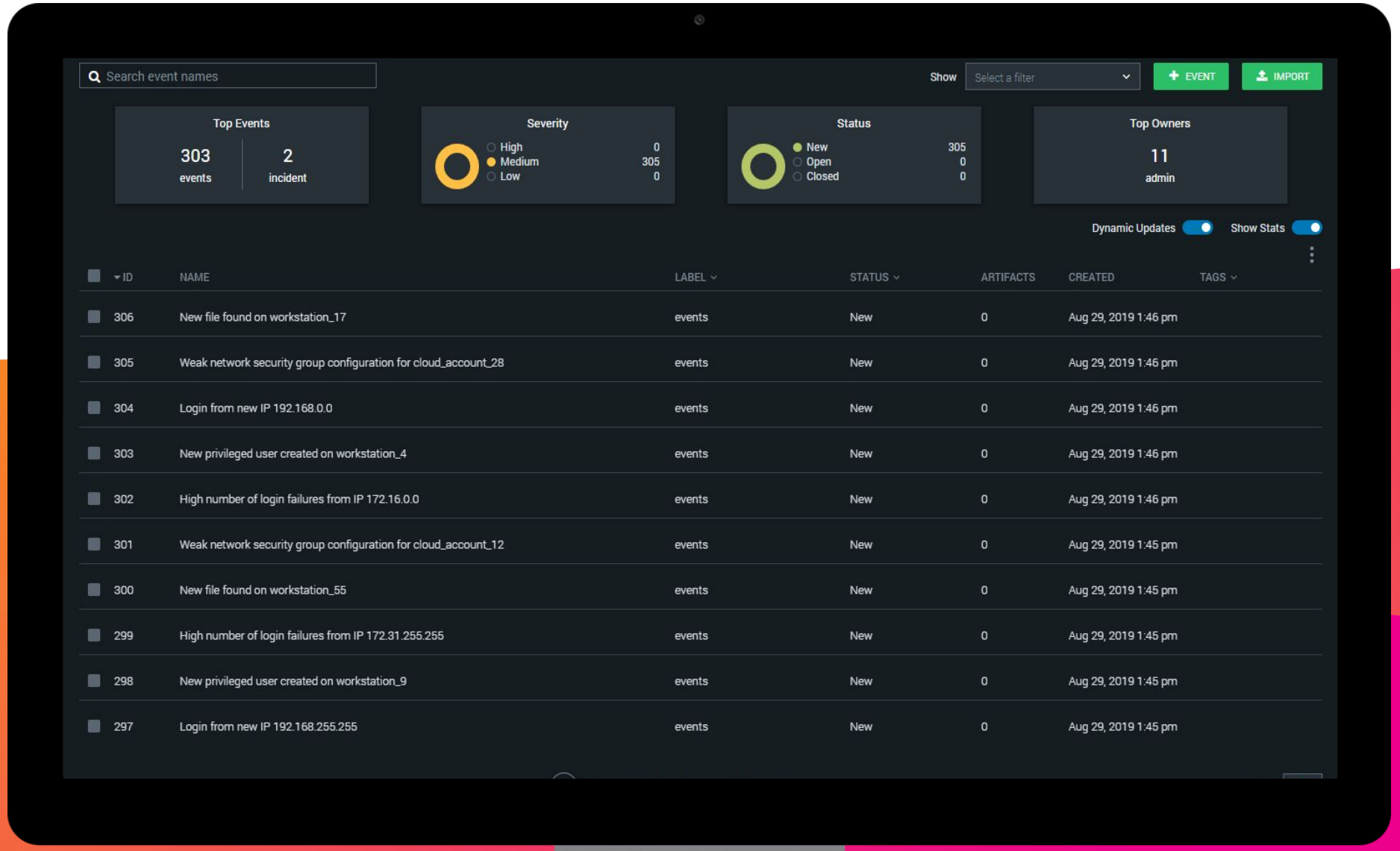
Where is the Value?

Seriously, this is a lot of work.
What can it do?



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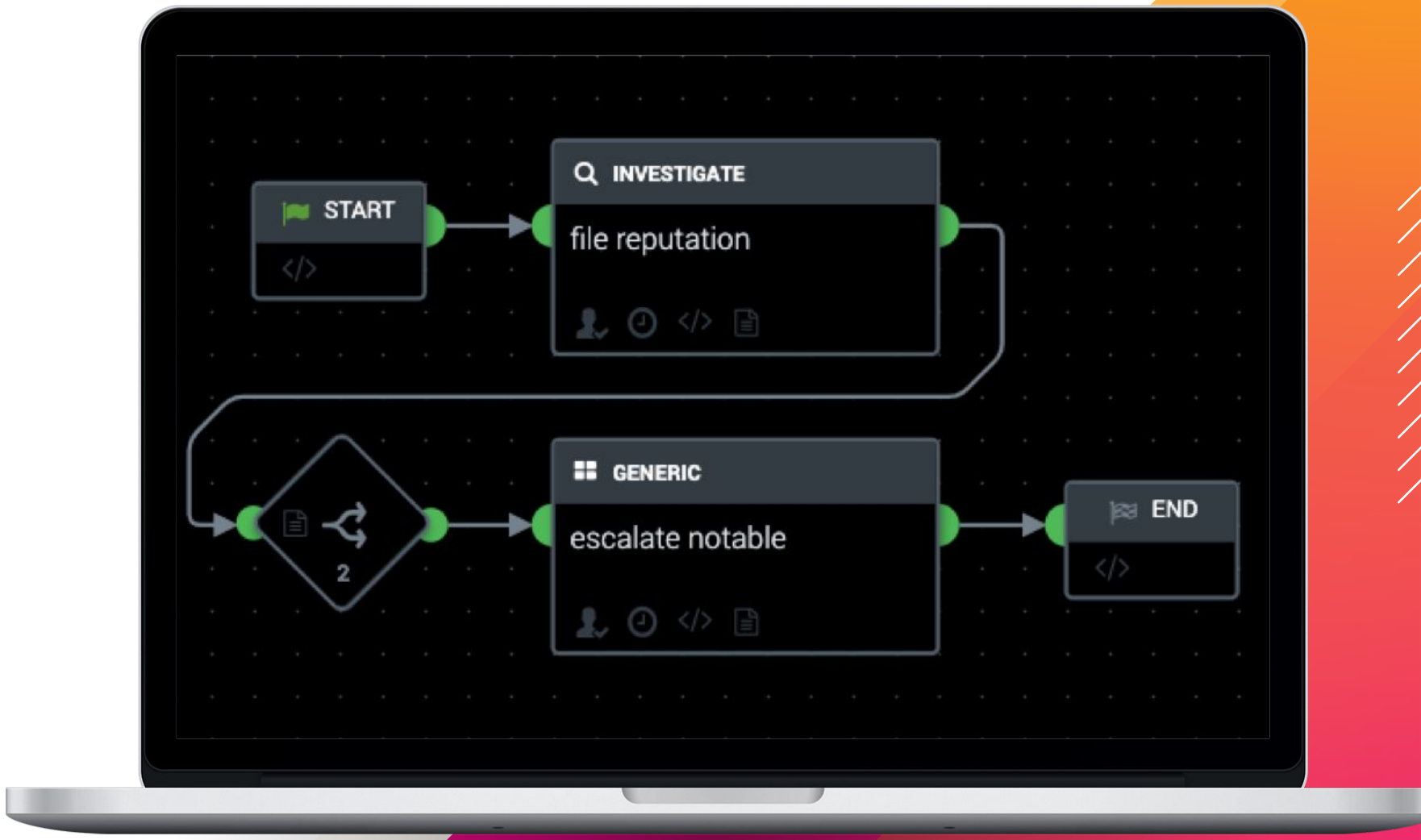
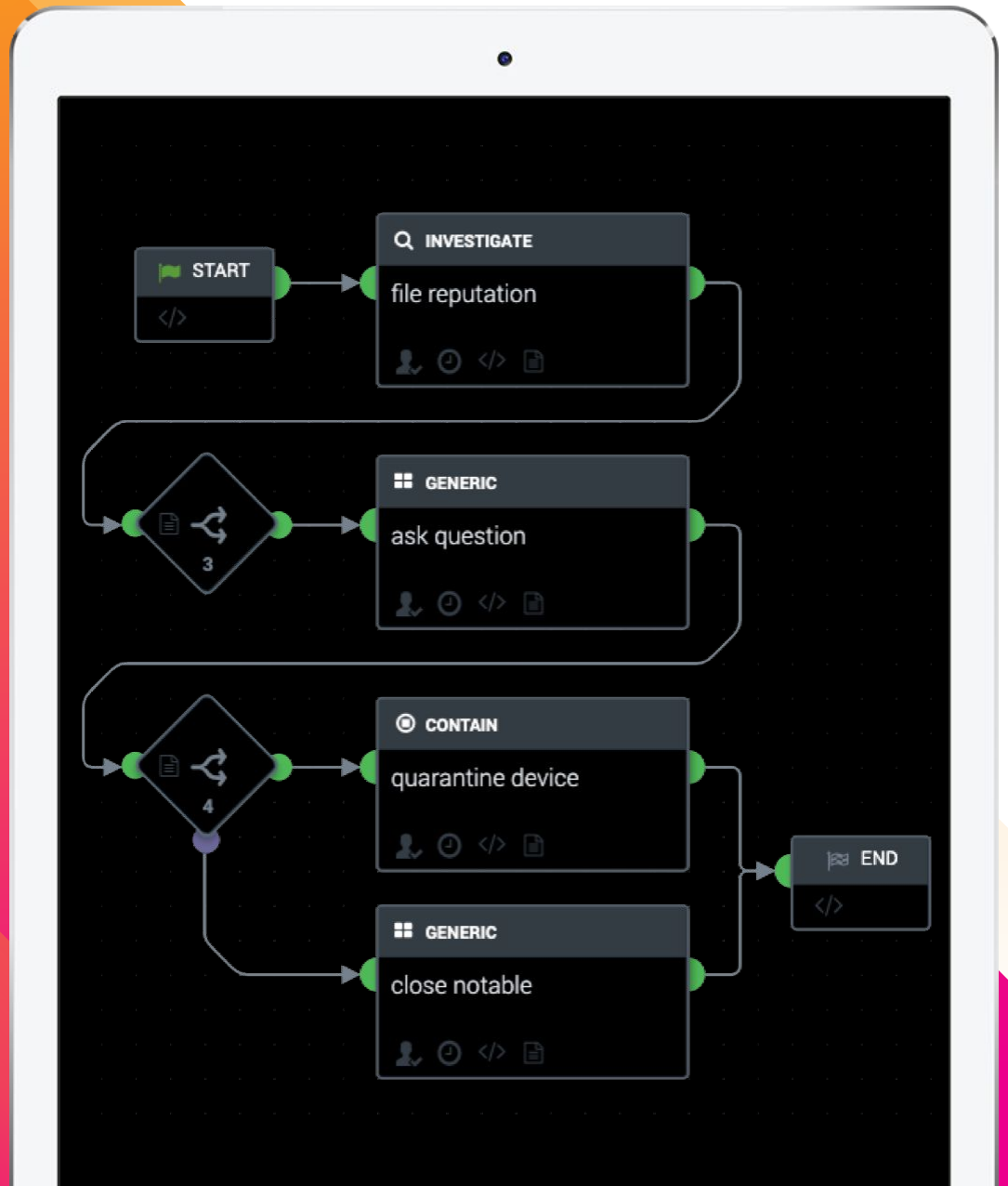
Automate the Busy Work

- Automatic remediation isn't a requirement of automation
- Intelligently enrich your notables and alerts for your analysts
- Enjoy flexibility and functionality beyond Splunk ES





Take the Next Step

- Take advantage of non-analyst user interaction
- Build trust in the automation to perform advanced actions
- Avoid alert fatigue
- Identify and close false positives

Gotchas

We wish we knew this on day one

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"Build **trust** in the system. Don't automate remediation over night."

— Broken System Admin

"Be **conservative** in initial **volumes**."

— Overwhelmed Security Analyst

"Minimize active playbooks and **manage** execution **intelligently**."

— Executive Shelling Out For Unnecessary Licenses

“**Time.sleep** is the **devil**.”

— Support Staff After A Dev Broke The System

"It's all **python**. We should have a python **developer** on staff."

— Frustrated Security Analyst

"Don't use **proper names** for system objects in **action names**."

— Developer After A Very Confusing Support Ticket

"If you don't **scope properly**, nothing will work the way you are expecting."

— Admin Helping Debug

Going Deep

Developing beyond standard automation

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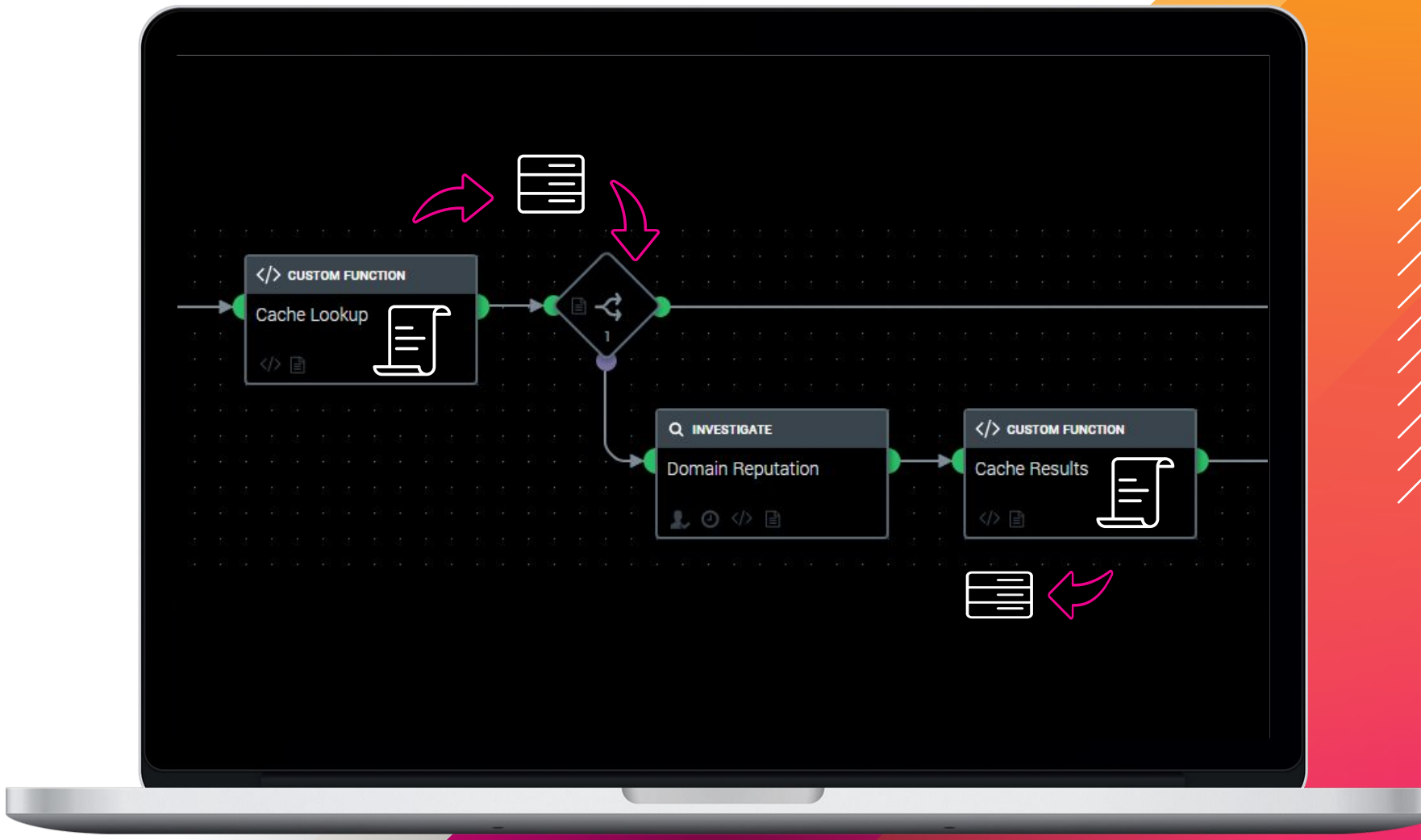
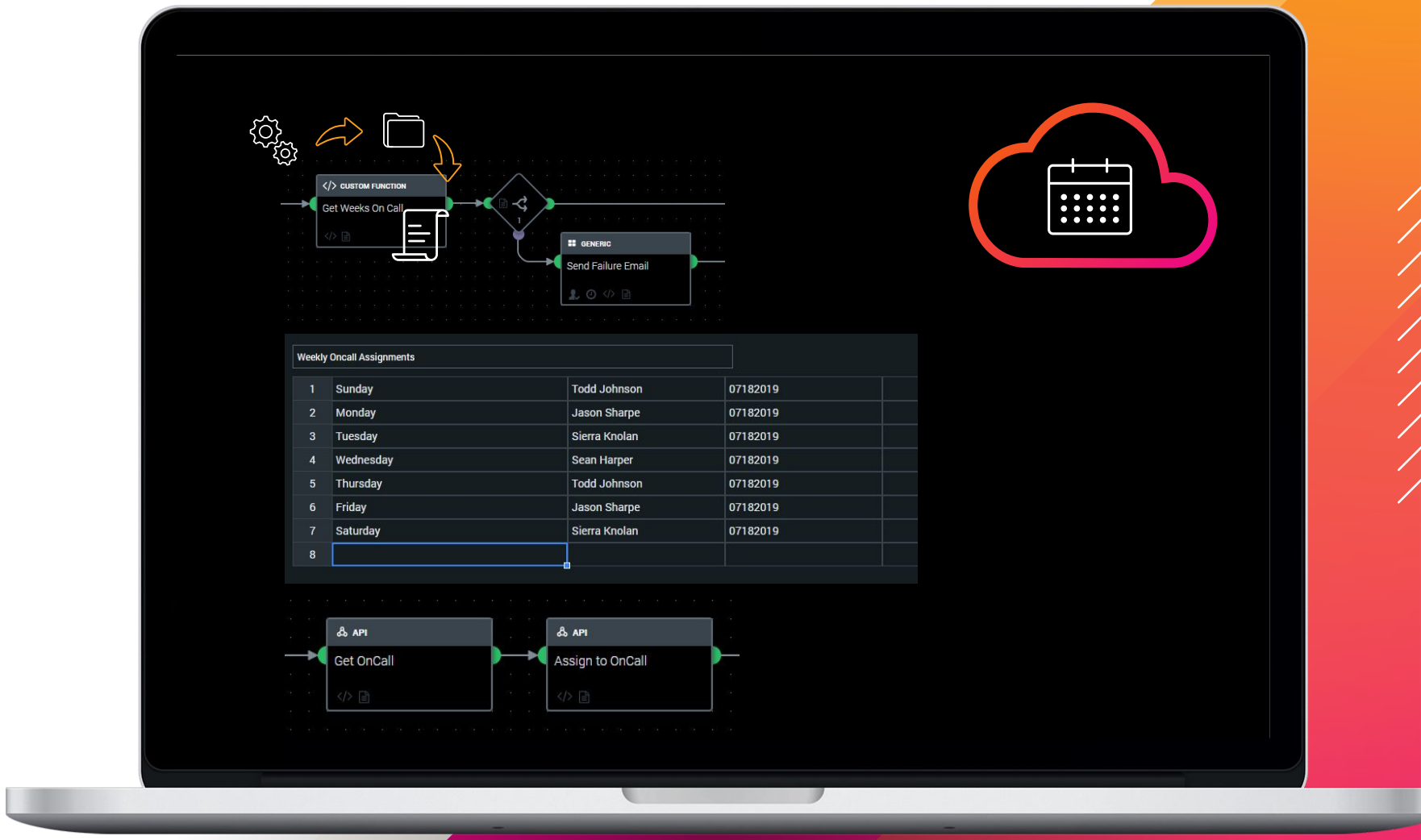
Cache App Results

- Limited API call
- Slow response from source
- Elements Required
  - Playbook actions
  - Custom Lists



Assign To On-Call

- Your on-call calendar is in an inconvenient location
- Elements Required
  - Timer App
  - Container
  - Playbooks
  - Calendar API
  - Custom Lists



Q&A

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