Operationalizing UBA to Fullest Potential

SEC1616

Annette Fontanilla

Sr. Professional Services Consultant | Splunk

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Annette Fontanilla

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Agenda

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1) **Intro**
   What is Splunk UBA

2) **Important of Operationalizing UBA**
   Reality vs. Expectations

3) **Tuning**
   Identity Resolution, Anomaly Action Rules, Threat Rules

4) **Roles**
   Analyst vs. Threat Hunter

5) **Workflows**
   Customizations

6) **Key Takeaways**
   What “Operationalizing UBA” looks like

Expectations vs. Reality

Expectations	Reality
No tuning required	Noisy IPS/IDS, DLP alerts
False positives will disappear... eventually	Network changes
Just add data	Data hygiene is key
Data science will solve everything	Known behavior vs. unknown behavior

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~~Expectations~~ vs. Reality

Important of Operationalizing UBA

Network Spike

Network changes can cause a spike in anomalies and threats. i.e. Remote, increase in Zoom

Shadow IT

Noisy Alerts

Discovery

~~Expectations~~ vs. Reality

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Alerting tools can cause several false positives in UBA due to a misconfiguration or noisy alert

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Noisy Alerts

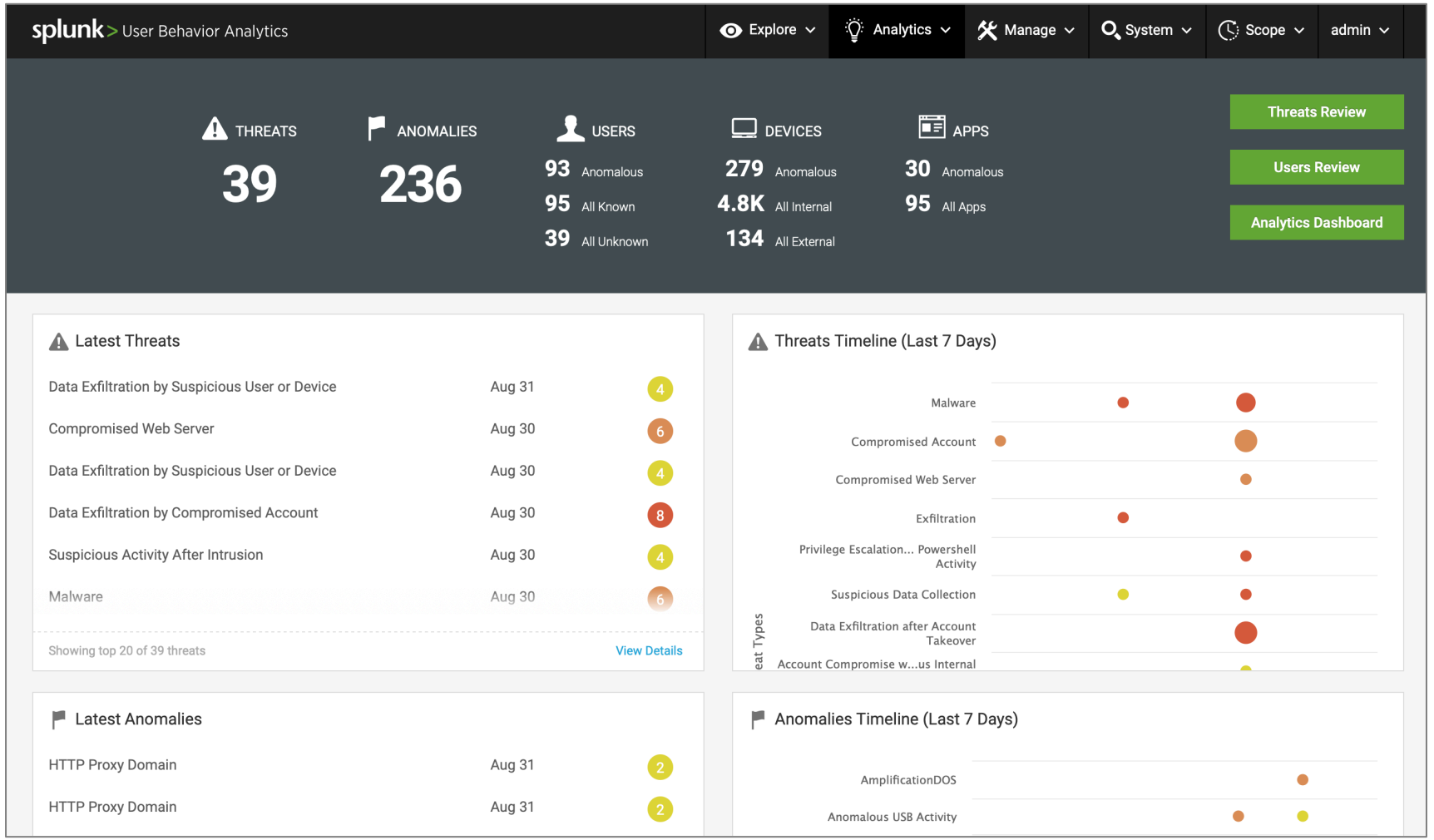
Alerting tools can cause several false positives in UBA due to a misconfiguration or noisy alert

Discovery

Understanding devices and user/service account or device roles

Ultimate Goal

Important of operationalizing UBA



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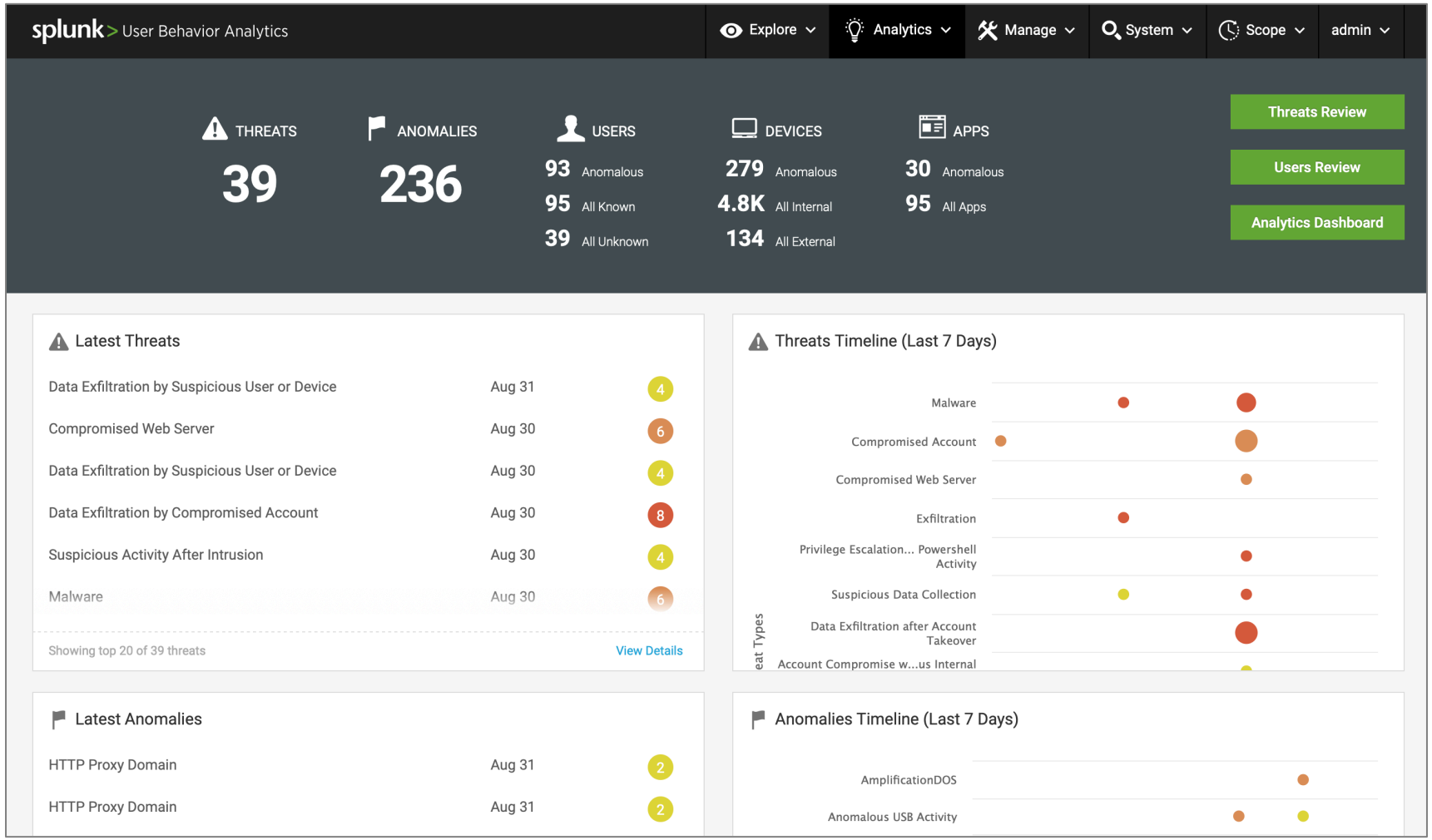
Ultimate Goal

Important of operationalizing UBA

Reduce False Positives



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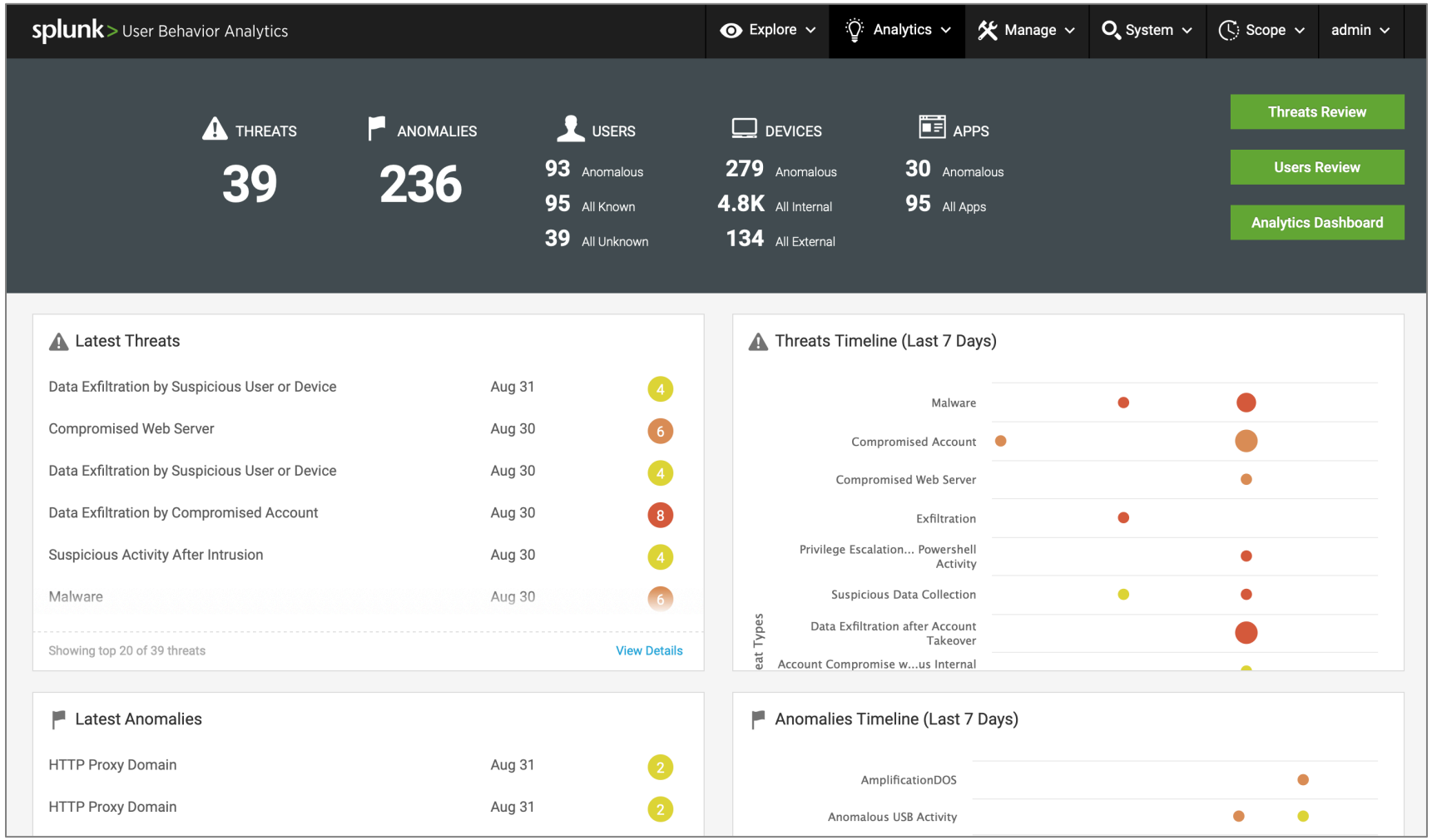
Ultimate Goal

Important of operationalizing UBA

Reduce False Positives



Finalize Use Cases

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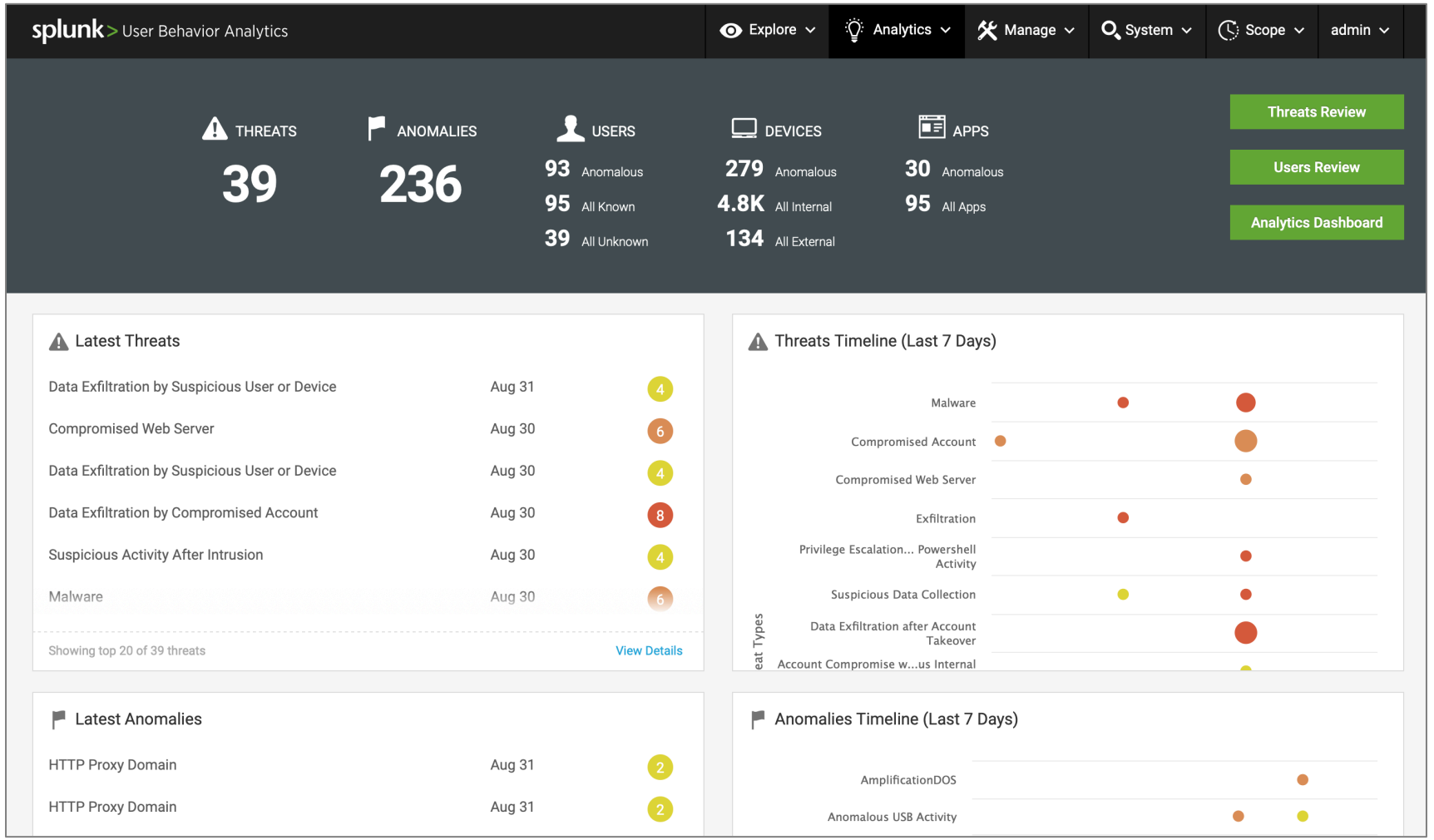
Ultimate Goal

Important of operationalizing UBA

Reduce False Positives

Roles



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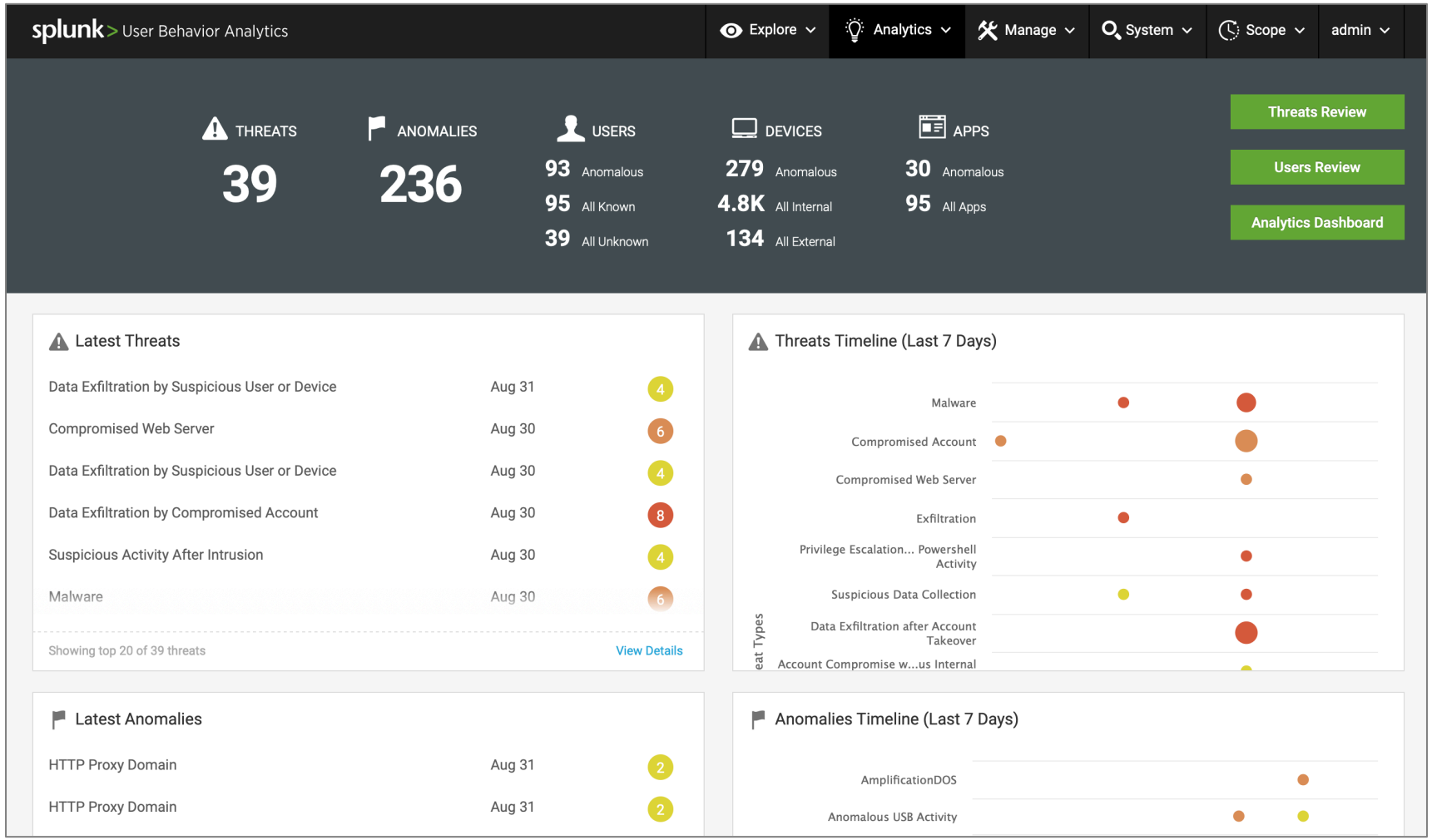

Finalize Use Cases

Establish Workflows

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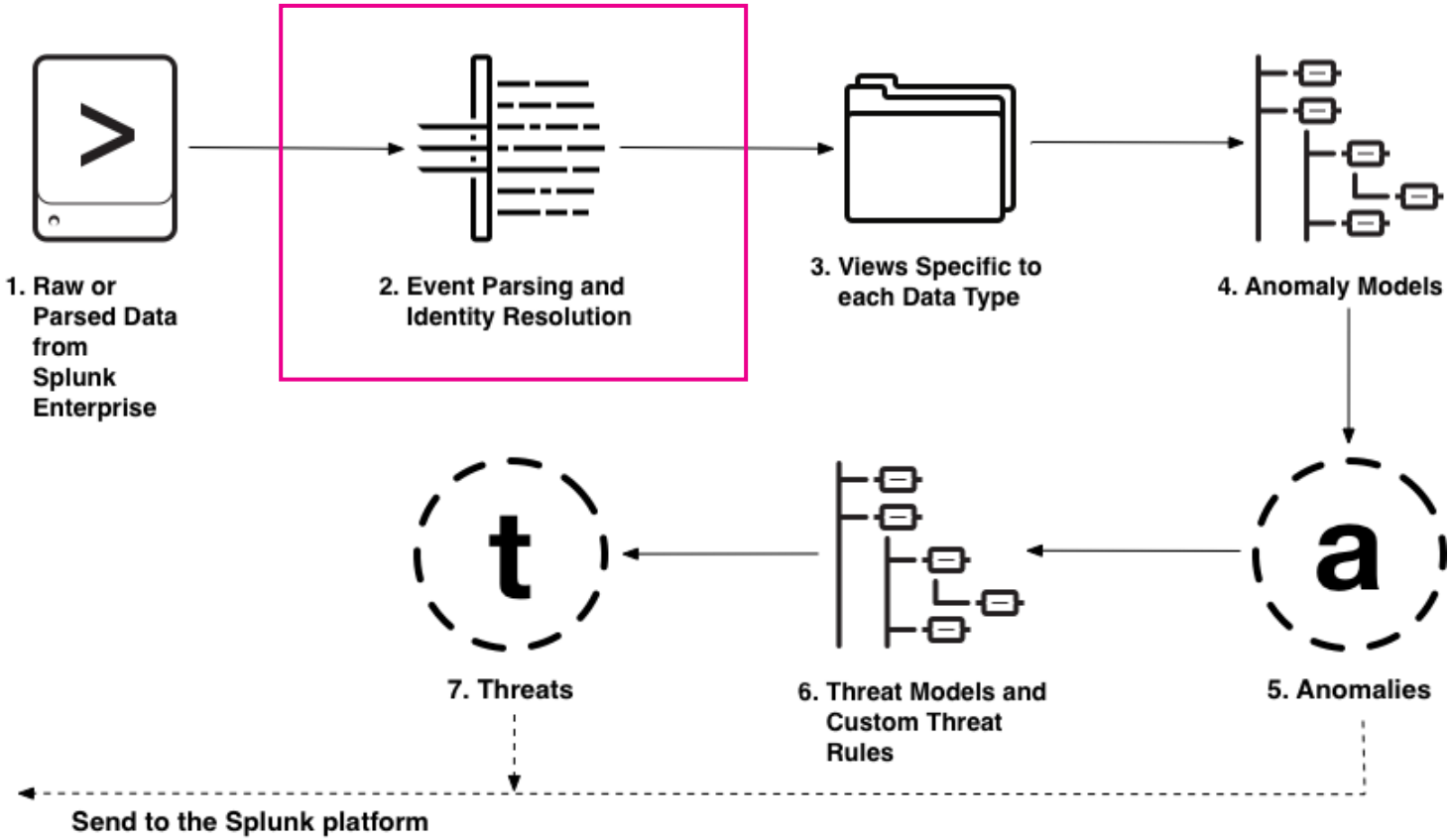
Identity Resolution

Tuning



Time Series

UBA/ UEBA

Detection

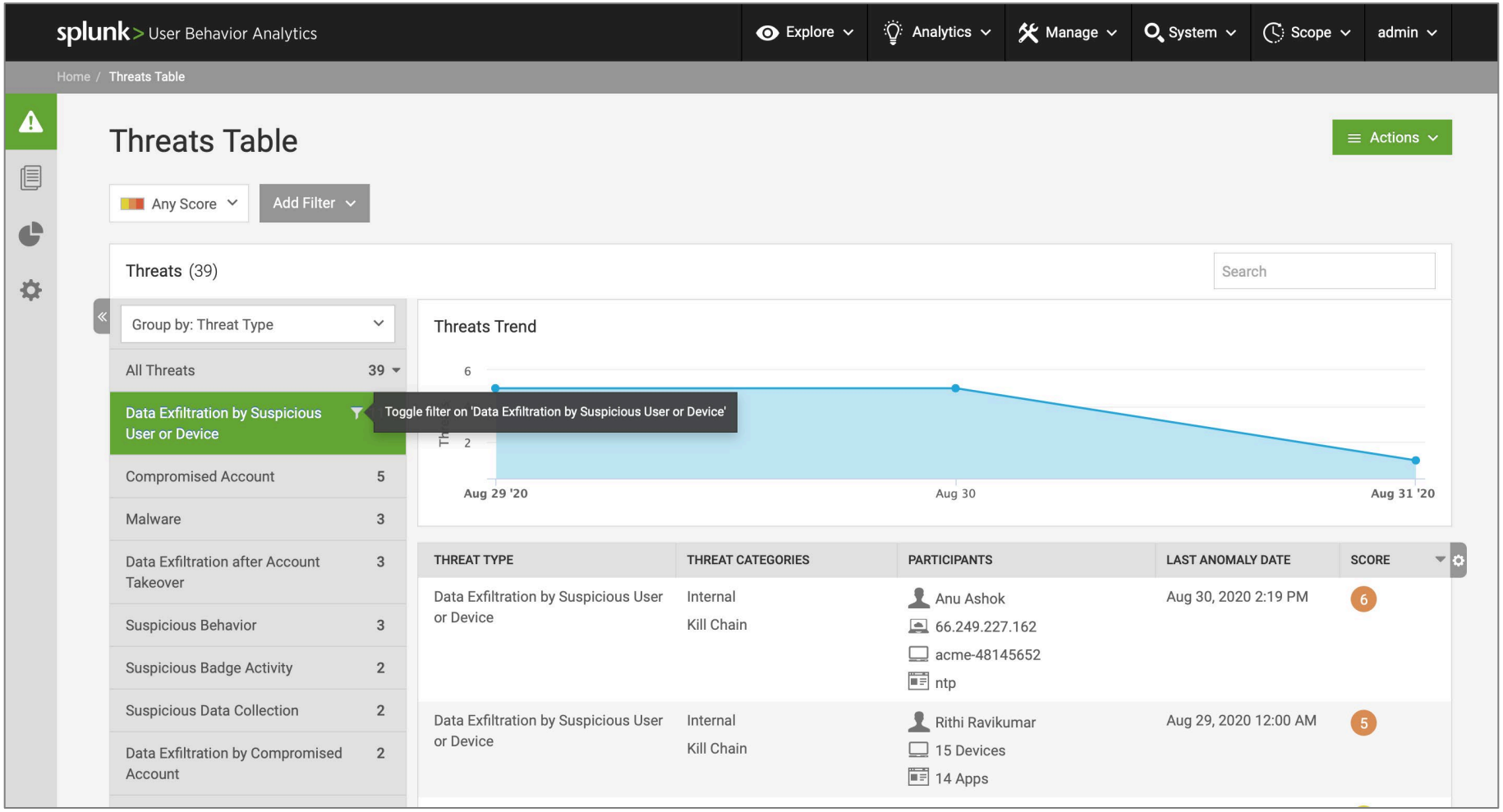
- Risk behavior detection
- Entity profiling, scoring
- Kil chain, graph analysis

Realm of unknown

Rare Series

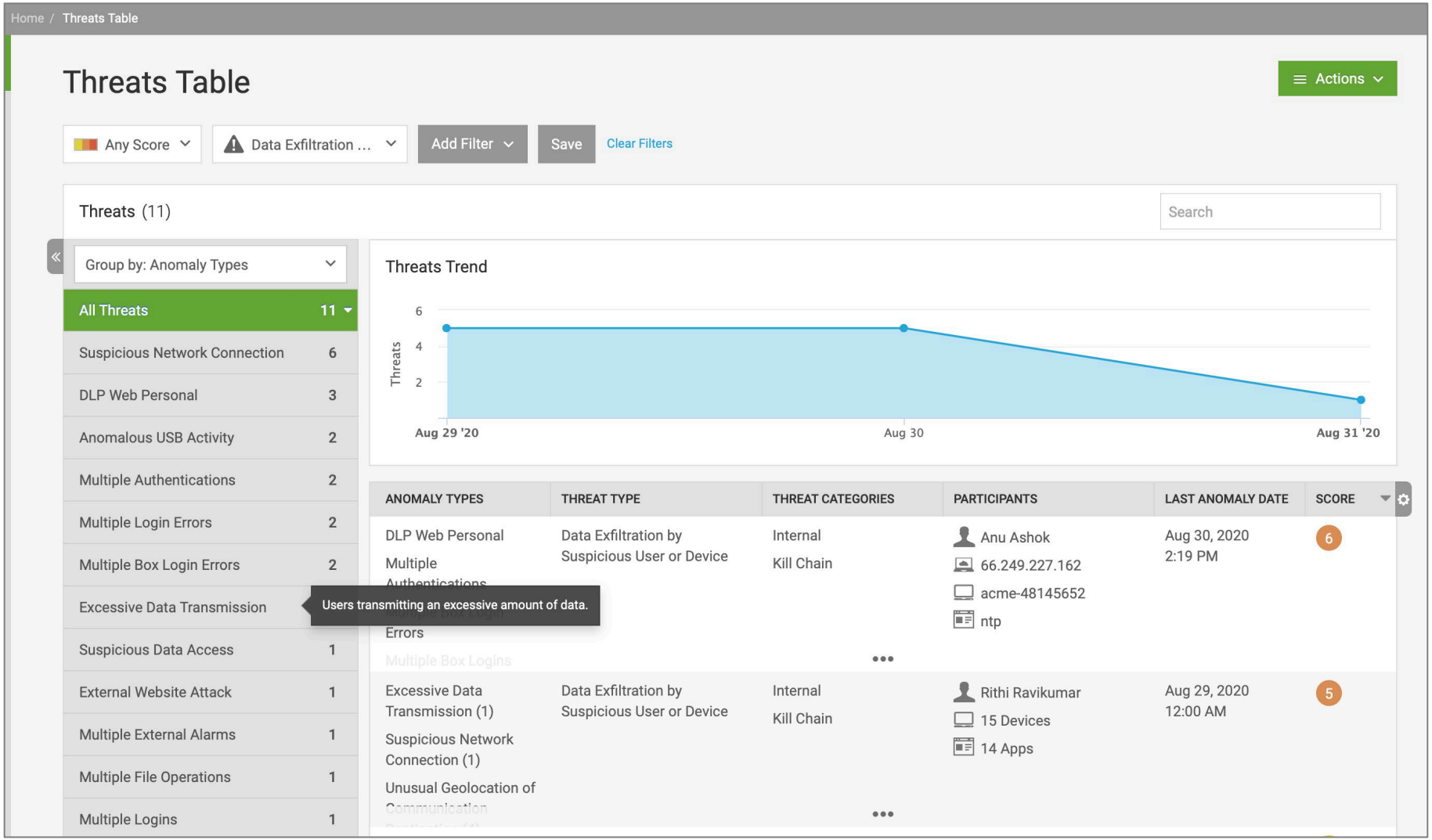
Anomaly Action Rules

Tuning



Anomaly Action Rules

Tuning



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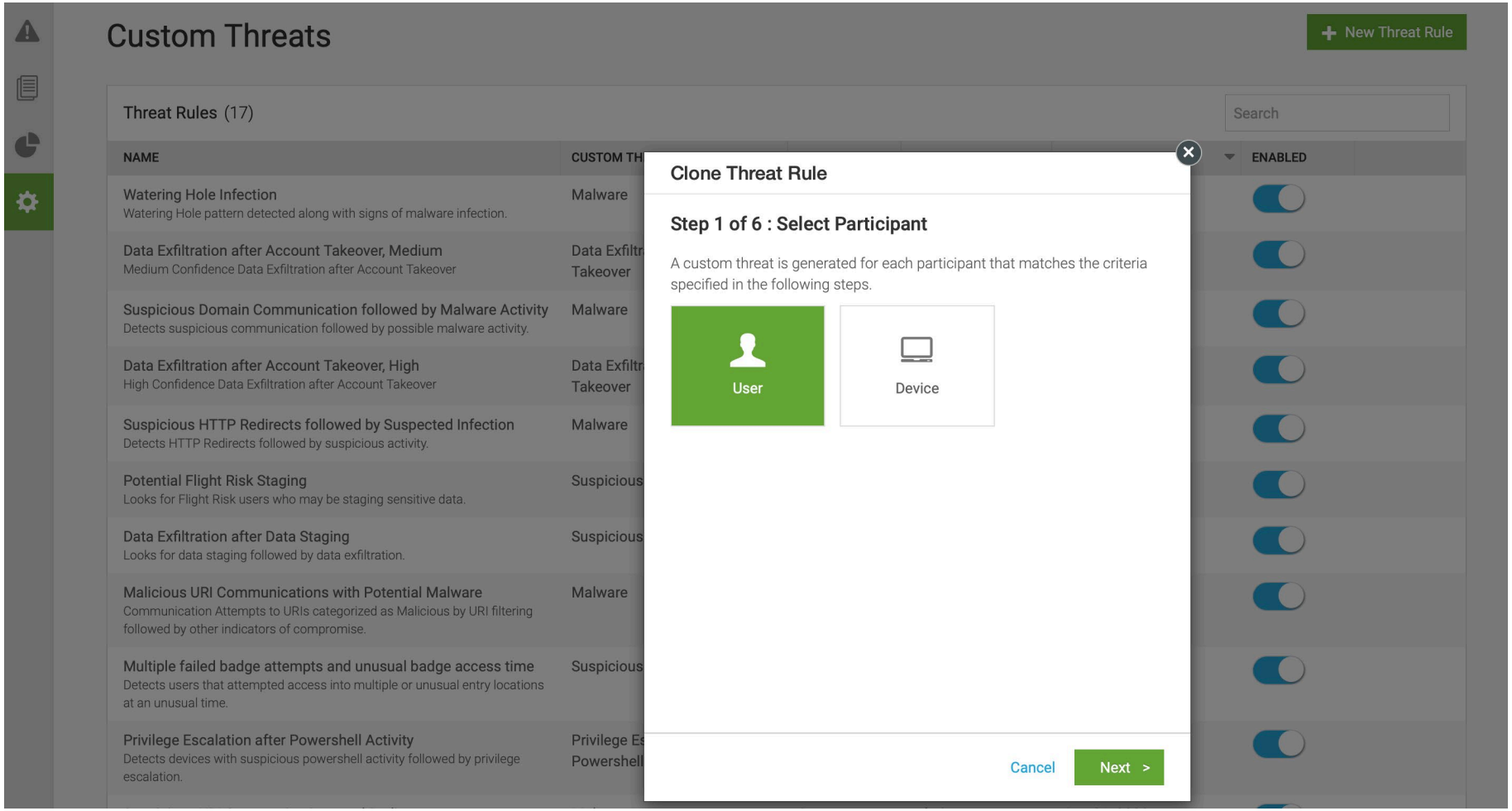
Customize Threat Rules

Tuning



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Customize Threat Rules

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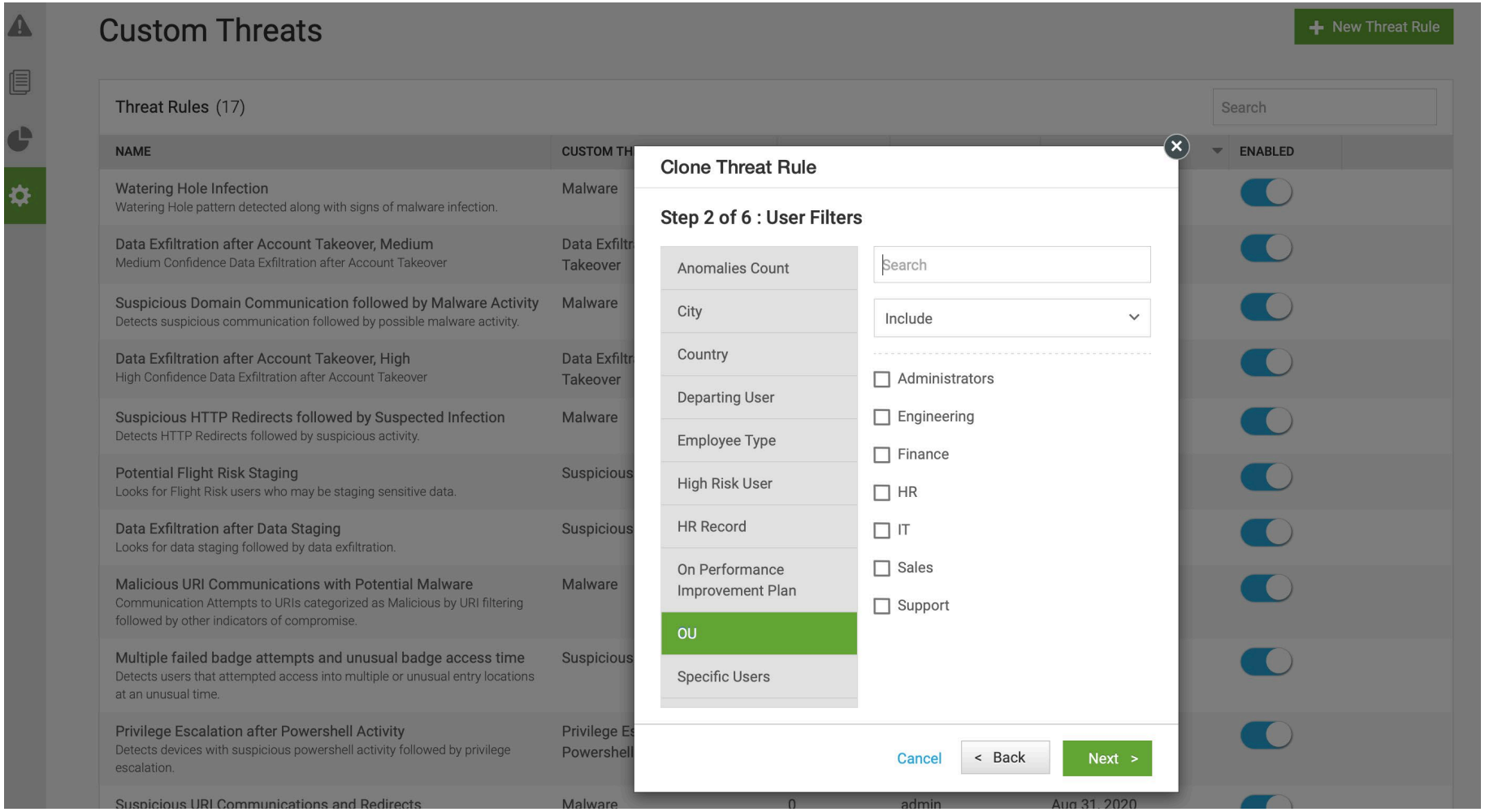

Threat Hunter vs. Analyst

Roles

Analyst

Investigating UBA Threats in Threats Table

Hunter

Content Developer

Admin

Threat Hunter vs. Analyst

Roles

Analyst

Investigating UBA Threats in Threats Table

Hunter

Investigating UBA Anomalies/ Unknown Threats in Splunk UBA Platform

Content Developer

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Threat Hunter vs. Analyst

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Analyst

Investigating UBA Threats in Threats Table

Hunter

Investigating UBA Anomalies/ Unknown Threats in Splunk UBA Platform

Content Developer

- Focused on Use Cases
- Fine Tuning Use Cases
- Use Case Framework
- Onboarding New Data Sources
- Adding Blacklisted IP's or Domains

Admin

Threat Hunter vs. Analyst

Roles

Analyst

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Hunter

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Content Developer

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Admin

Managing Platform Infrastructure

Threat Hunter vs. Analyst

Roles

Who Will?

Reduce False Positives | Creating Custom Anomaly Action Rules | Create Custom Threat Rules

Analyst

Investigating UBA Threats in Threats Table

Hunter

Investigating UBA Anomalies/ Unknown Threats in Splunk UBA Platform

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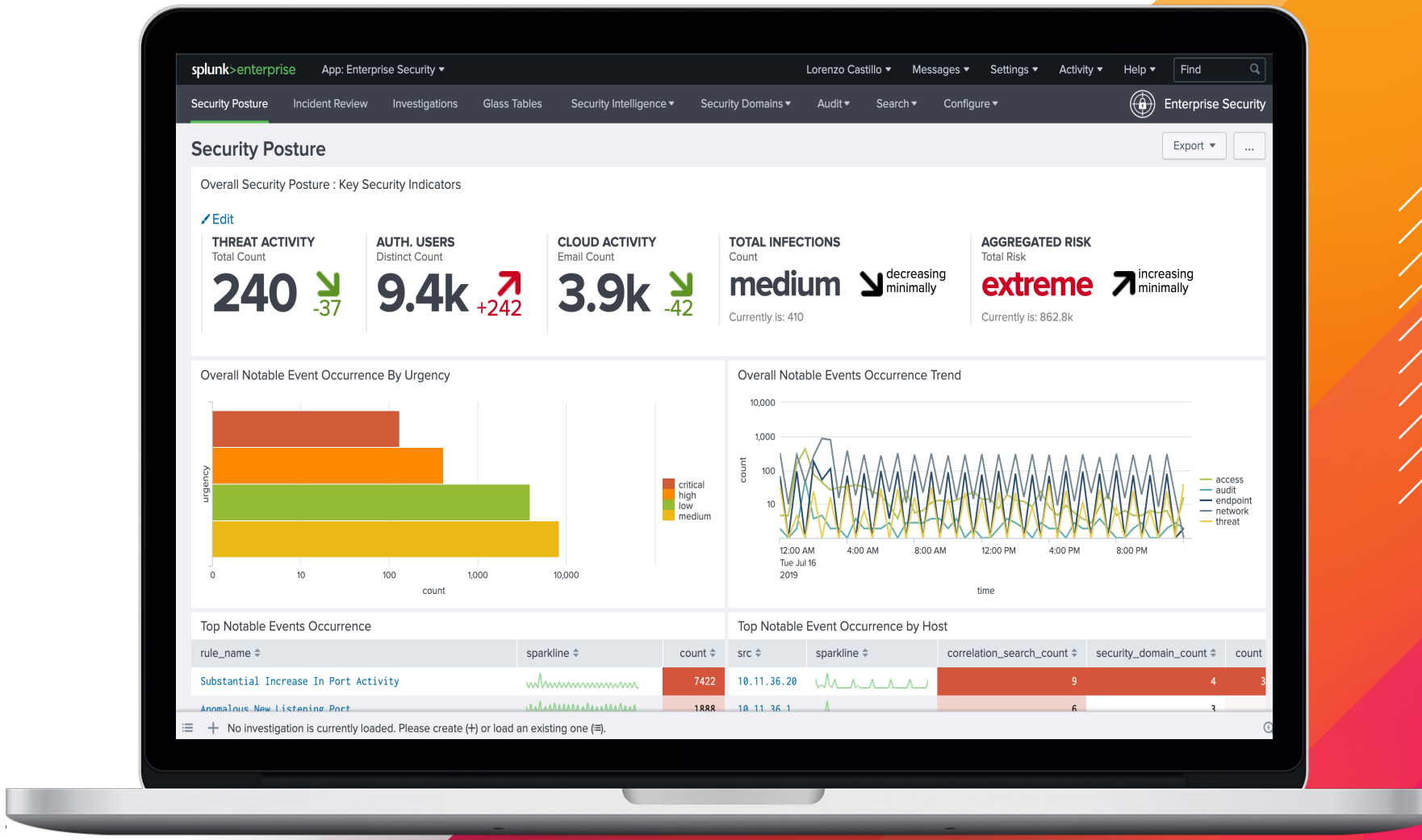
Managing Platform Infrastructure

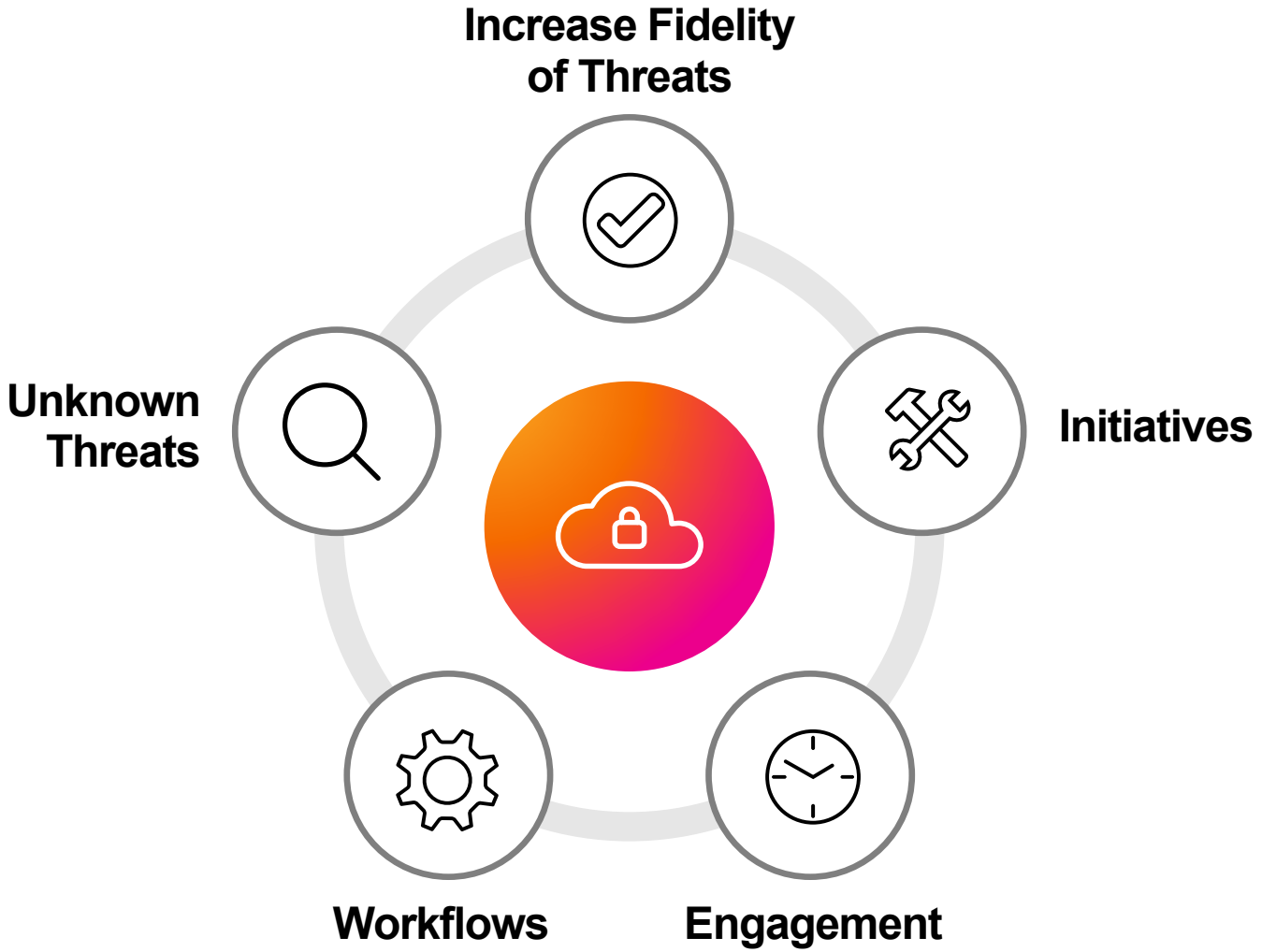
Workflow

Understand how to integrate Splunk UBA into your Security Operations



Key Takeaways

Lessons Learned



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