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Improve Your Security Posture with AI-Driven Insights Using Amazon Security Lake, Splunk and Recorded Future

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Bring on the future.

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AWS

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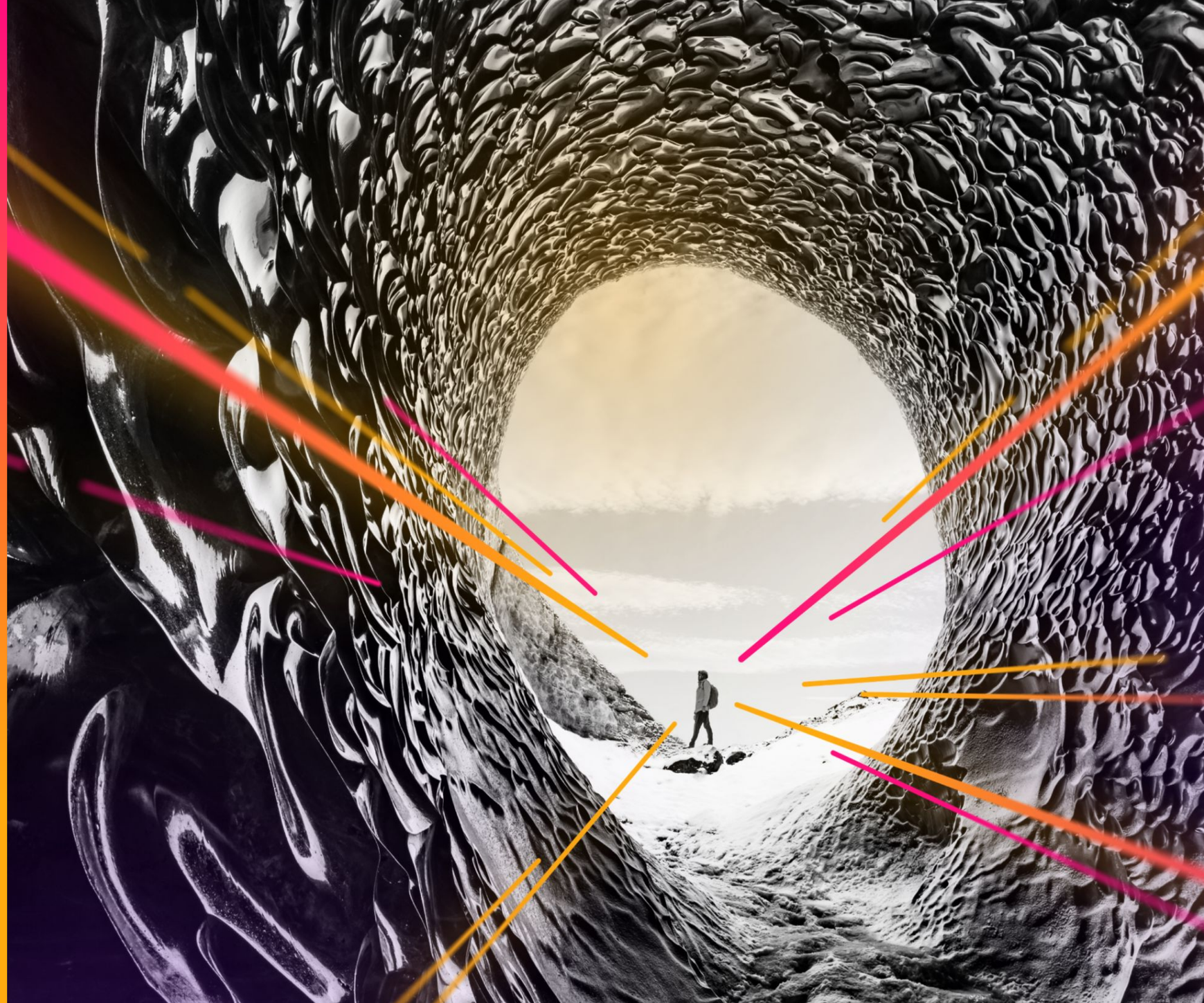
Cybersecurity Landscape

Unique Challenges and Risks

- **Data silos and fragmentation**
- **Complex data analysis and management**
- **Slow threat detection and response**
- **Compliance and reporting difficulties**
- **Inefficient resource utilization**

Modernizing Cybersecurity

What can we do?



Defining Organization's Security Posture

A robust security posture is characterized by its ability to anticipate and mitigate risks before they materialize into actual threats.

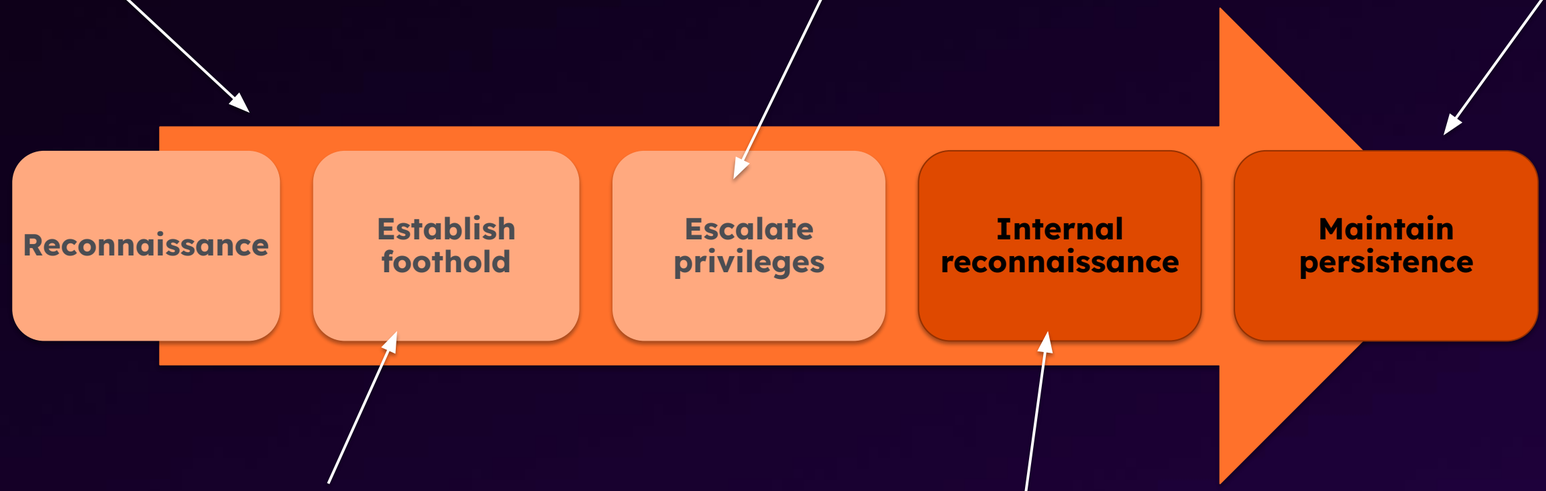
- Identify sensitive and critical data. Prioritize security of data.
- Adopt security best practices (NIST CSF) and Zero Trust architecture.
- Accelerate towards secure cloud services.
- Centralize security data and analysis.
- Invest in technology and personnel.

Understanding Threat Actor Lifecycle

- Malicious or suspicious IP
- Recon:EC2/PortProbeUnprotectedPort

- Unusual traffic volume
- DNS exfiltration

- Bitcoin activity
- Unusual instance launch



- Unusual ports
- Connect to unapproved site

- Unusual ISP caller
- Temporary credentials used off instance

Strengthening Security Posture with AI-Enabled Insights from Amazon® Security Lake, Splunk® and Recorded Future®

How we can help.

Transforming Challenges into Opportunities

Three major components are required.

1. Scalable data storage and management – Amazon Security Lake (Integrated).
2. Real-time analytics – Splunk (Collaborative).
3. Advanced threat intelligence – Recorded Future (Decision Ready).

Solution Overview

Navigating the future of cybersecurity

Amazon Security Lake

- Data aggregation into your account, with variety of supported log and event sources.
- Multi-account and multi-region data management, compliance, and security.
- Data transformation and normalization into Open Cybersecurity Schema Framework (OCSF) and Apache Parquet Format.
- Seamless integration with analytic tools.

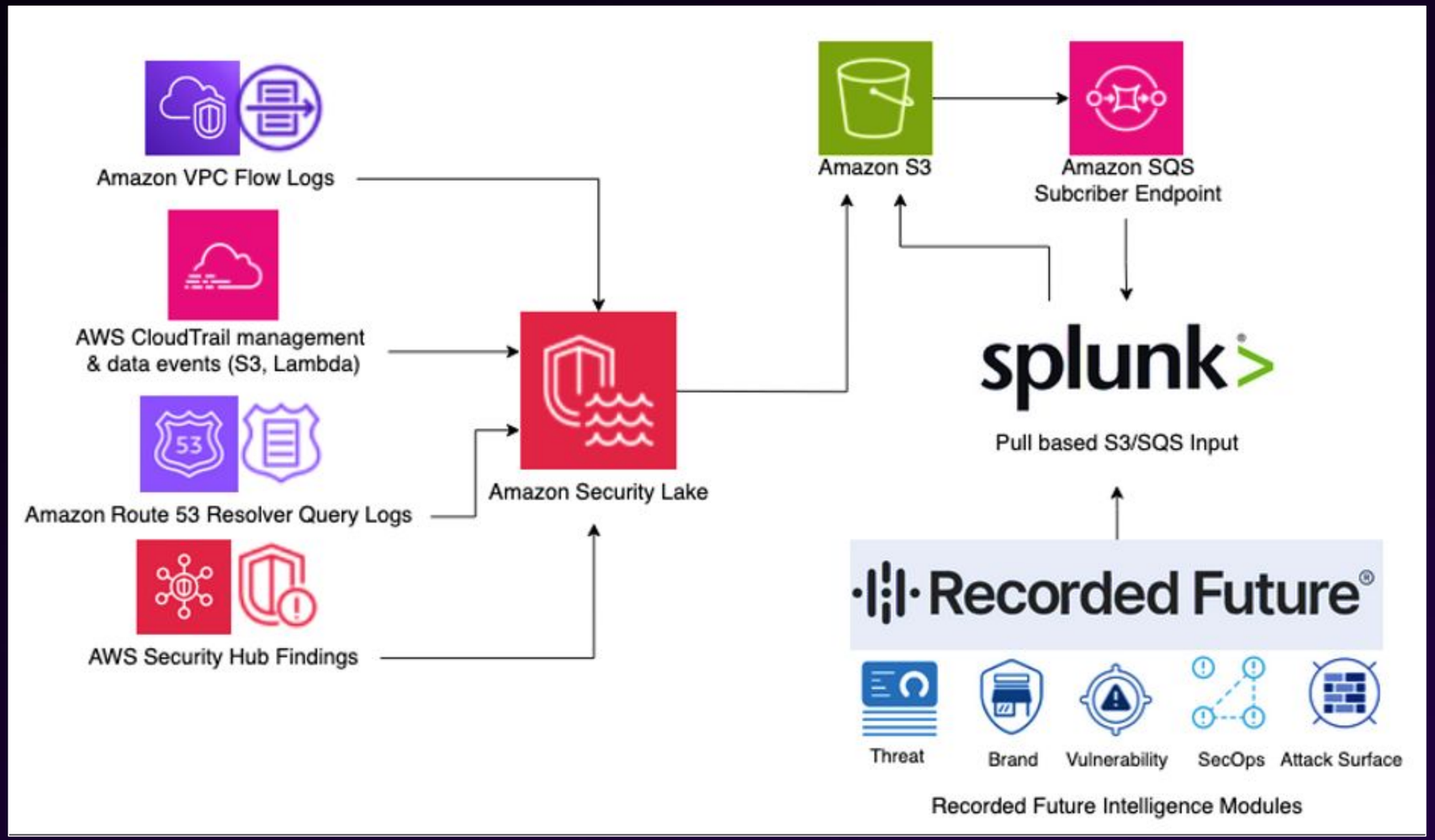
Splunk

- Real-time data analysis and monitoring.
- Advanced machine learning capabilities.
- Customizable dashboards for actionable insights.
- Scalable architecture for enterprise data.

Recorded Future

- Proactive threat intelligence provision.
- Real-time risk scoring and analysis.
- Enriches data with contextual information.
- Supports predictive security measures.

Reference Architecture



Demo

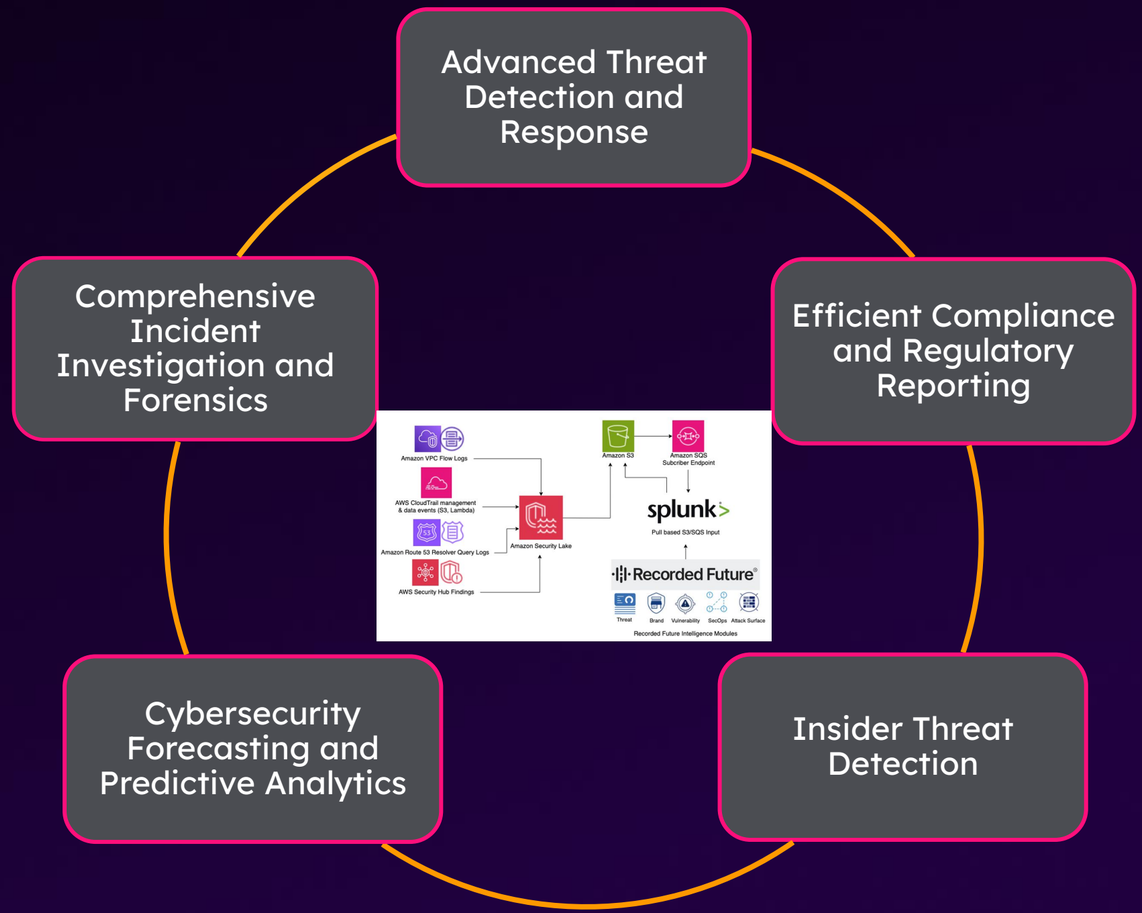
Let’s see it in action

Demo Video

Fortifying the Cybersecurity Landscape

Integrating Amazon Security Lake, Splunk and Recorded Future can offer key use cases and benefits

- Enhance cybersecurity postures
- Streamline operations
- Improve threat intelligence



Call to Action

How to get started?

- Check out out our latest AWS Partner Network (APN) Blog on this joint solution to enhance enterprise resilience. Scan the QR code. 👉
- Fill out the Contact us form in the blog to help you get started.
- Stop by AWS booth at .conf to discuss more.

Thank you

Work hard. Have fun. Make history.