
AWS
re:Invent
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Securing the AWS environments of Arkose Labs using Sysdig

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About Arkose Labs



The platform that bankrupts the business of fraud

Long-term protection that eliminates bots, secures accounts, and frustrates fraudsters

Trusted by:













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About Sysdig



We are builders.

Founded by Loris Degioanni, co-creator of Wireshark.
Created Falco, the open-source standard for cloud-native threat detection.

We are partners in your cloud journey.

Security for cloud and containers from source to run.
Trusted by the most innovative companies in the world.

We are Sysdiggers.

Our mission is to make every cloud deployment secure and reliable.

HQ in	Operations in	Employees:	Customers:	VC funding:
San Francisco	**20+ countries**	**700+**	**700+**	**$750M**

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Wrestling with rapid growth at Arkose Labs

- 5 employees to 200+ within 4 years
- A fast pace and a customer-driven focus come with a cost
- Security issues raised and forever backlogged



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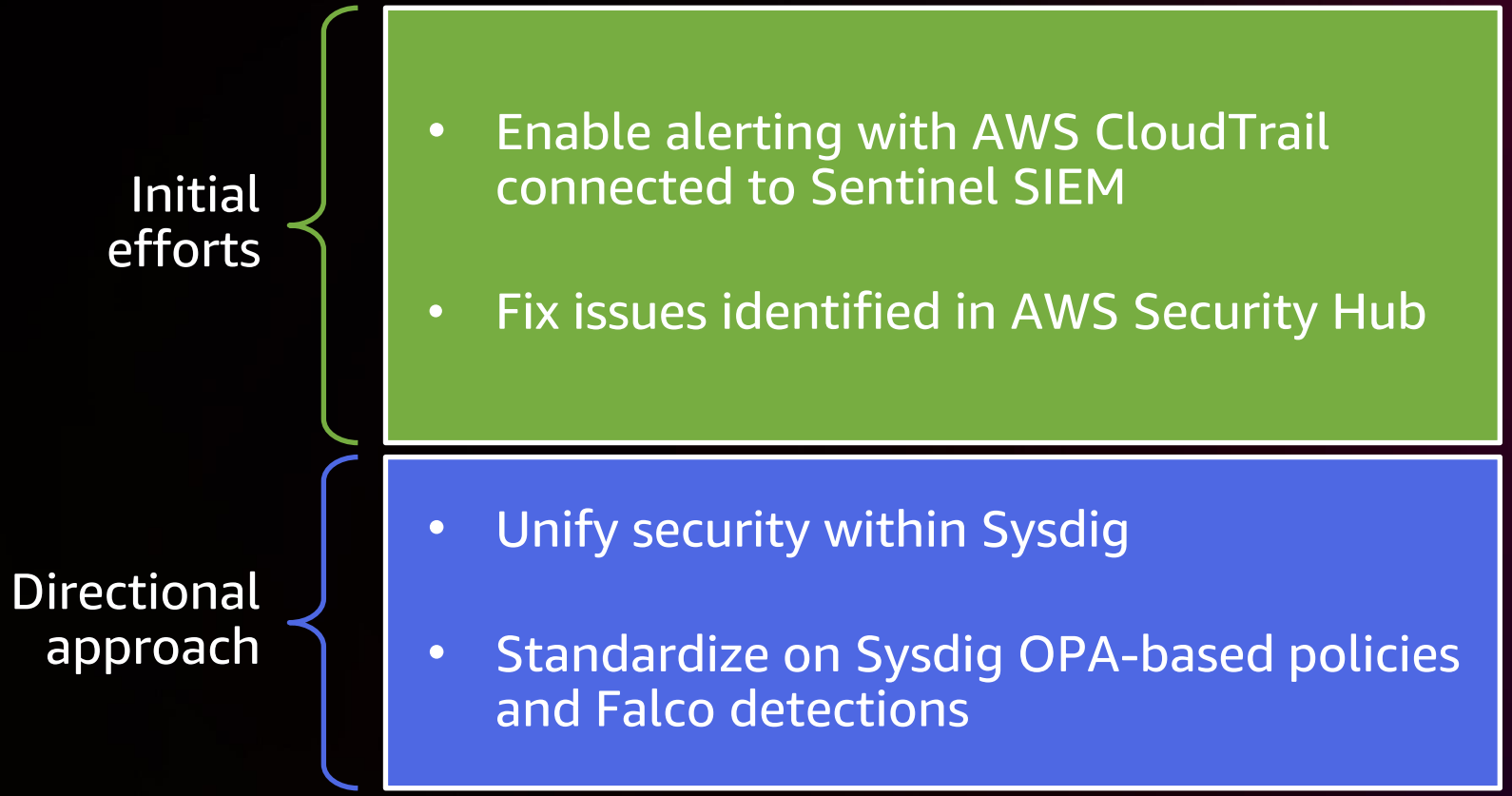
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Initial approach used scattered tooling

- Vulnerability management
  - Amazon ECR scanning
  - Rapid7 and Tenable.io on some servers
- Cloud security posture management
  - AWS Security Hub
  - Lacework on one AWS account
- Intrusion detection system
  - Amazon GuardDuty for some alerting

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Cloud security strategy



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Business impact of threats in modern environments

- Arkose Labs is a supplier to many companies
- Must continuously track and assess supply chains
- Vulnerabilities like Log4Shell have massive impact



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How does Arkose Labs track changes and report progress?

- Monthly operations reports
- Quarterly objectives and key results (OKR)
- Reports for quarterly planning with engineering



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DevSecOps approach at Arkose Labs

- Block release on vulnerable dependencies in source code
- Block release on image issues
- Block release on infrastructure as code (IaC) issues



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Realities of shifting security left in CI/CD

- Growing developer adoption
- Handling false positives programmatically
- Using Sysdig to reduce toil with runtime intelligence (Risk Spotlight)



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