Cloud INsecurity Summit

Case Study
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- AWS migration
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Welcome to Netflix

In the heart of Silicon Valley
Source of major technological innovation!
Not a Tech Company!
● 100M+ Subscribers
● 1000s devices
● World wide reach
● 3 global regions
● Global CDN
● ⅓ of US Bandwidth at Peak
● 100M+ hours of TV
● Netflix Originals
What makes Netflix cool and different? Our culture

- Freedom and Responsibility
- Context not Control
- Loosely Coupled yet Highly Aligned

See also: Netflix Culture Document on jobs.netflix.com
100(0)’s of developers
1000’s of applications
100k+ instances
1000+ changes a day
Scaling

Security
Security, the enabler!

- Not a gatekeeper
- Partner with developers
- Abstract difficulties
- Find faults before they are deployed
- Find faults ASAP when they are deployed
- Automate Everything
Paved Road
Delivery
Tooling
● IAM
  ○ Start with a generic template
  ○ Take back what isn’t used
● Allow applications to do things themselves
  ○ Attach Volume
  ○ Attach ENI
● SSO as a service
● mTLS as a service
Self-service
Cross Account SNS to SQS

SNS ARN

arn:aws:sns:<region>::<account-number>::<sns-topic>

SQS ARN

arn:aws:sqs:<region>::<account-number>::<queue-name>

Learn more about otterbot-dev

Cancel  Submit
Add Jenkins Ingress

Account Number

go/swag to get account number

Region

Choose an option...

Security Group Id

ex. sg-12345678

Protocol

Choose an option...

Port

ex. 7004

Learn more about otterbot-dev

Cancel Submit
Submit a Jira ticket

Project

Security Tools and Operations (Secops)

Title

30 second summary of the problem

Description

3000

Learn more about otterbot-dev

Cancel Submit
Partnerships
Monitoring
Thank you!
Questions?

@__muscles

NETFLIX