


SECURE THE CLOUD AND SAVE THE DAY

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WHOIS

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AWS Certified All-5 + Sec specialty

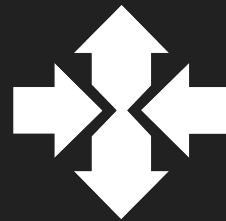
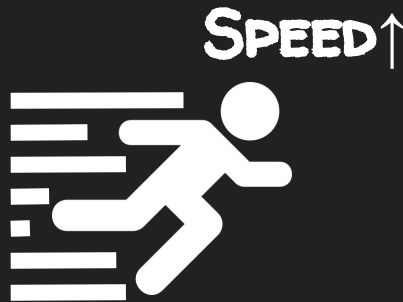
 4ndersonLin

AGENDA

- Cloud and cloud security
- Prevent, detect, and respond
- Summary

CLOUD AND CLOUD SECURITY

CLOUD



CLOUD SECURITY (?)

The good, the bad and the ugly

GOOD

CHANCE

- Compliance ready
- Availability
- Anti DDoS
- Automation & Reviewable infrastructure

BAD

REALITY

- Responsibility
- Lower visibility
- Misconfiguration/ Lack of security expertise
- Lack of access control

UGLY



- Data breach
- Vulnerability
- Compromised credential
- Old protection/strategy not works here

PREVENT

DETECT

RESPOND

PREVENT

SECURE BY DESIGN

REDUCE THE SURFACES

VULNERABILITY

PREVENT

SECURE BY DESIGN

- GUIDELINE FROM PROVIDER
- NEW SECURITY STRATEGY FOR PaaS AND SaaS

REDUCE THE SURFACES

- LEAST PRIVILEGE ACCESS
- USE THE STRONG 2FA 🚀



VULNERABILITY

- PATCH: RESPONSIBILITY MODEL
- PATCH: AUTOMATION
- REVIEW RESOURCE WHICH HAS THE DEFAULT SETTING

DETECT

VIRTUAL BORDER

GATEWAY

ENDPOINT

DETECT

VIRTUAL BORDER

- USER ACCESS
- PROGRAMMATIC ACCESS

GATEWAY

- FLOW LOGS
- GATEWAY LOGS
- MIRROR TRAFFIC



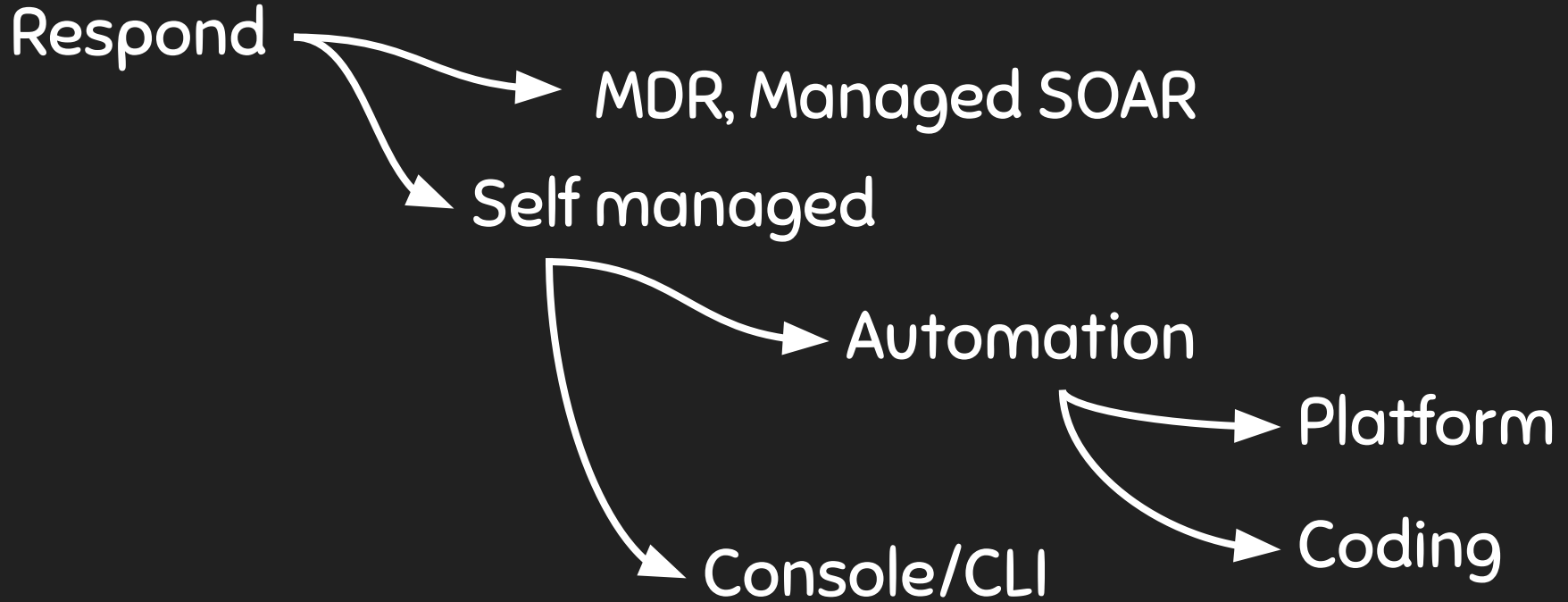
ENDPOINT

- AUTH/ACCESS/AUDIT LOGS
- EDR
- CONTAINER
- SERVERLESS
- PAAS LOGS

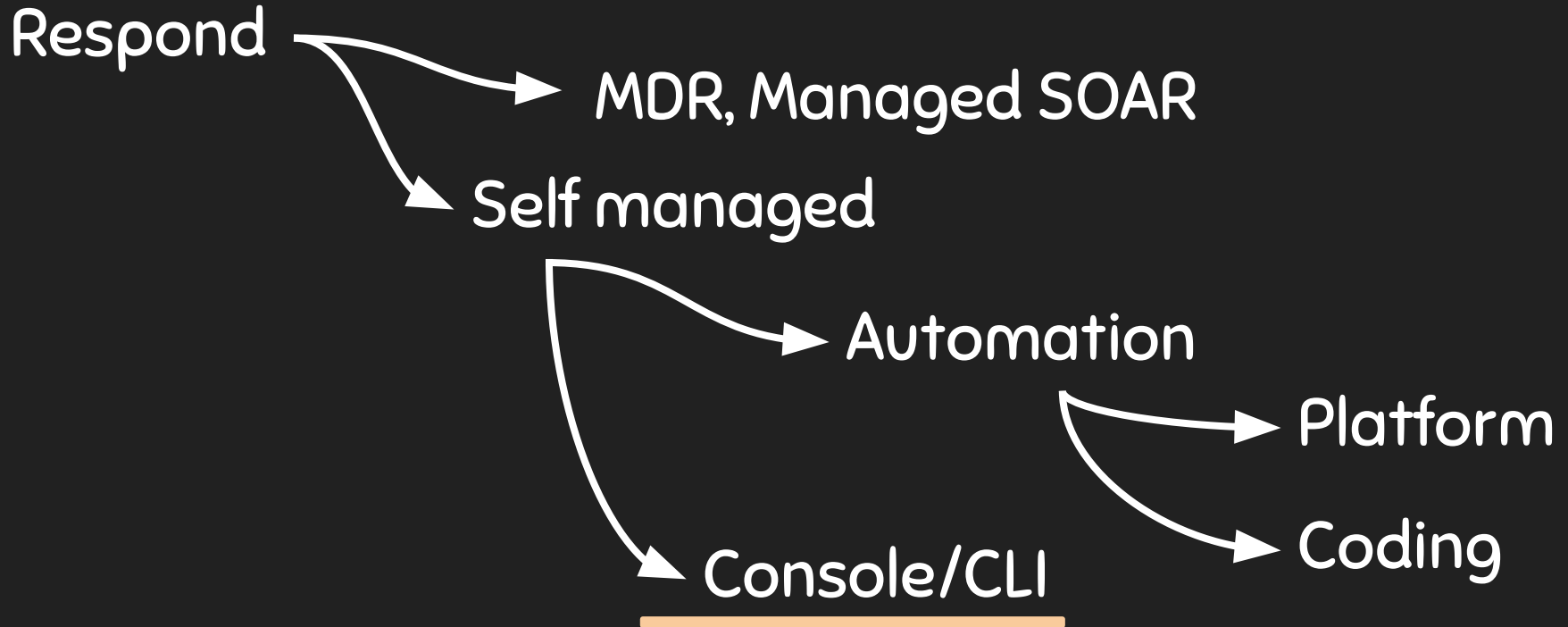
RESPOND

MANUAL
AUTOMATION

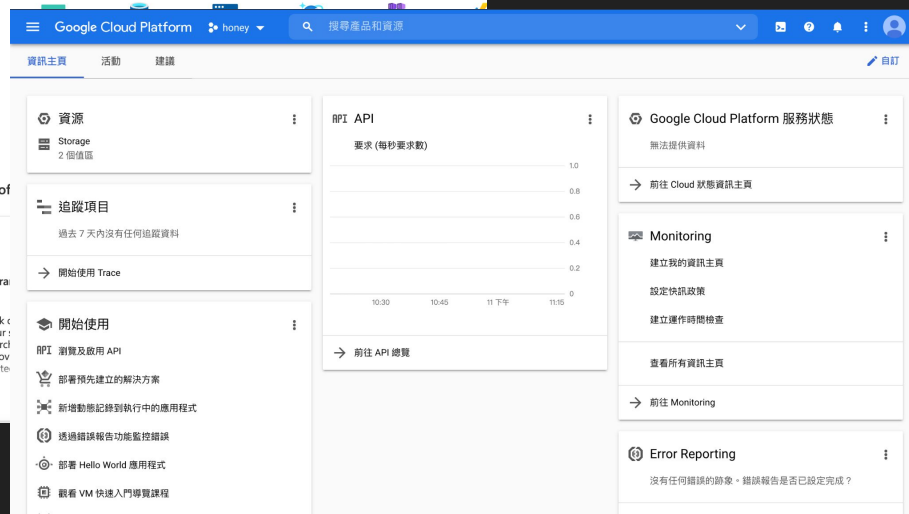
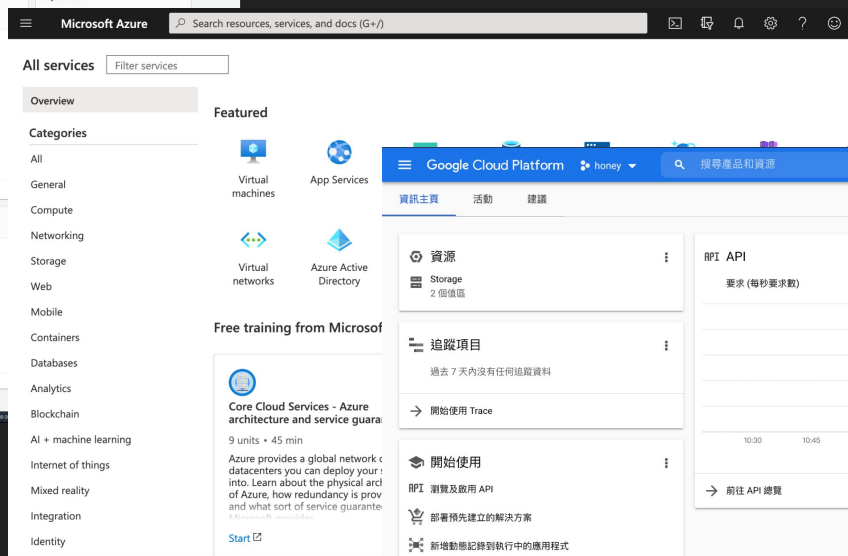
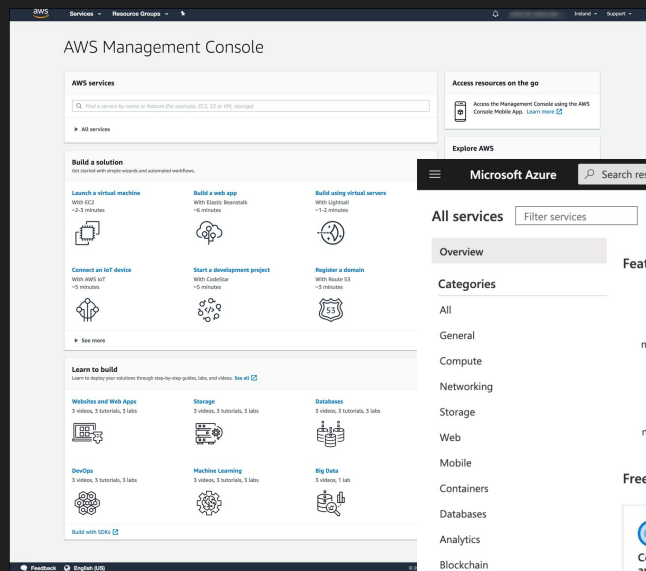
DECISION OF RESPOND



DECISION OF RESPOND



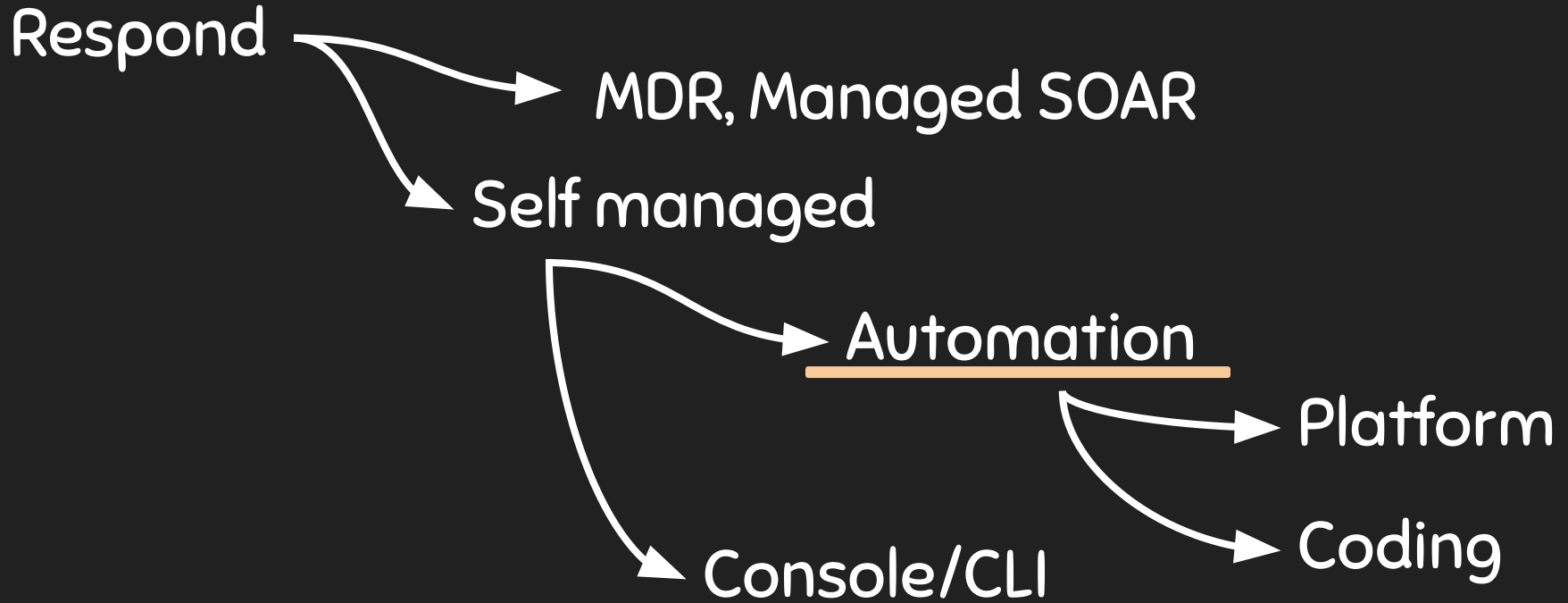
GO CONSOLE AND CLICK



DEMO :
GOOGLE/CLOUD-FORENSICS-UTILS

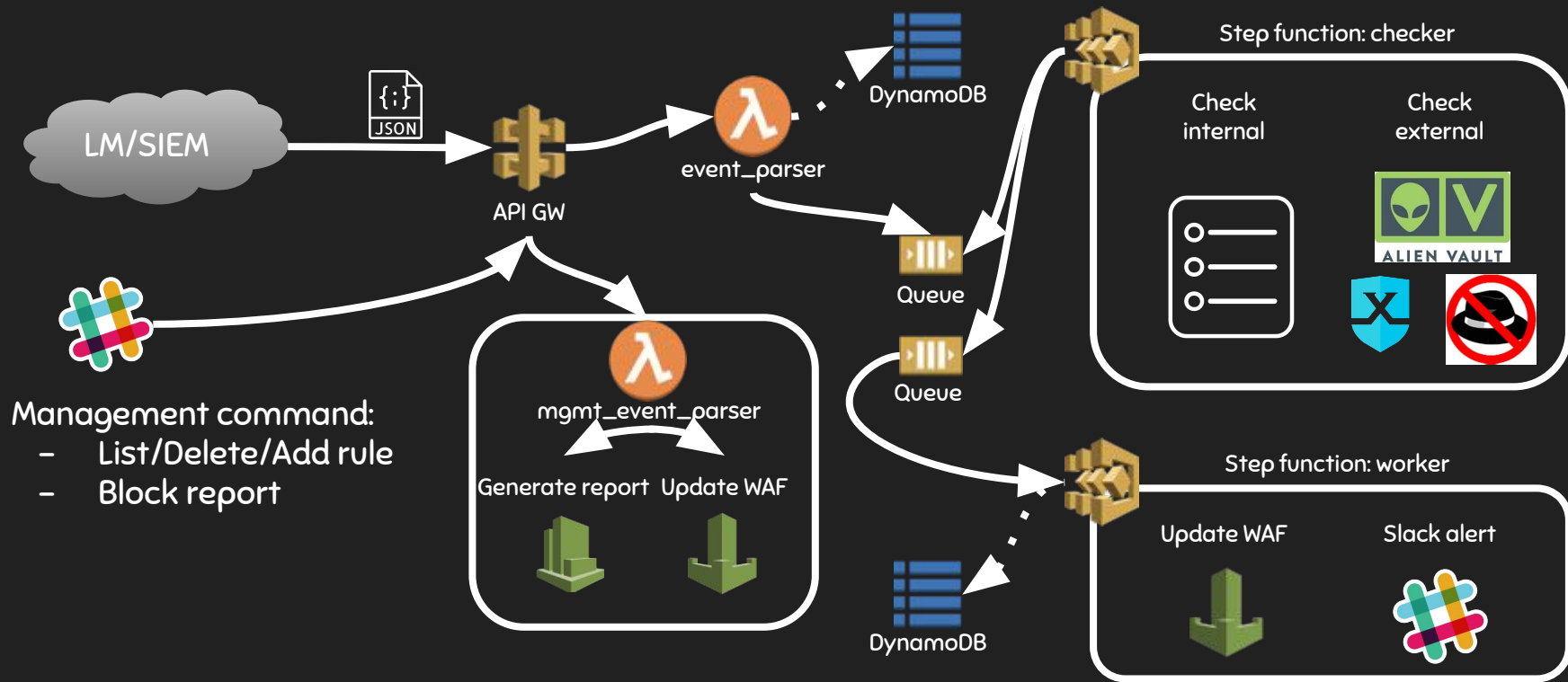
DEMO :
THREATRESPONSE/AWS_IR

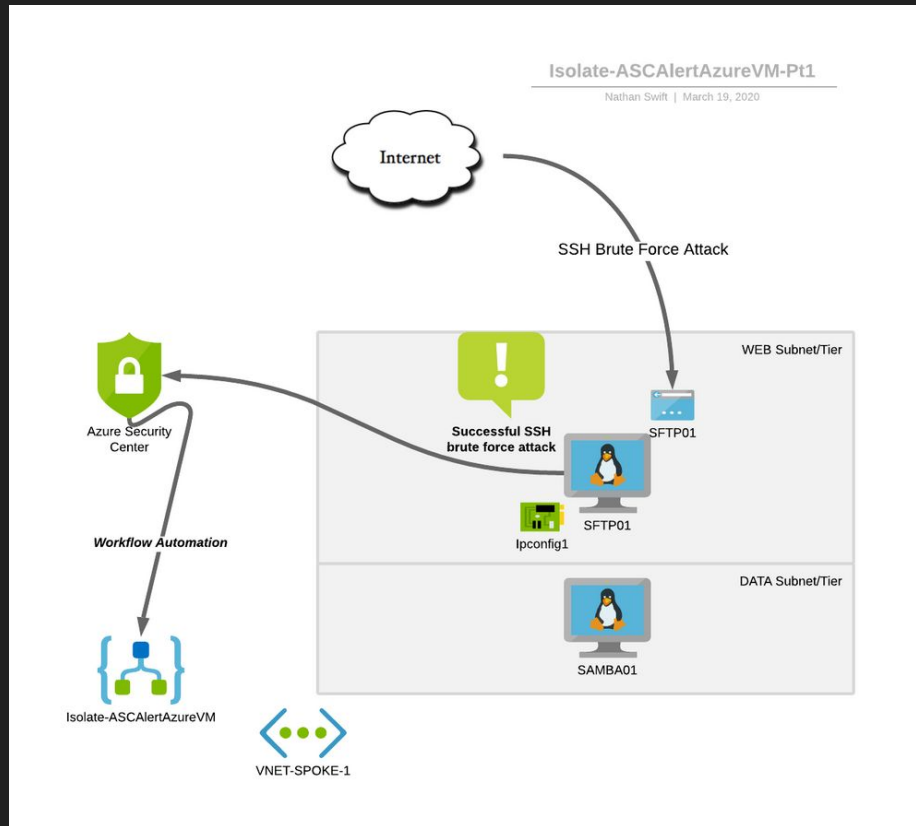
DECISION OF RESPOND



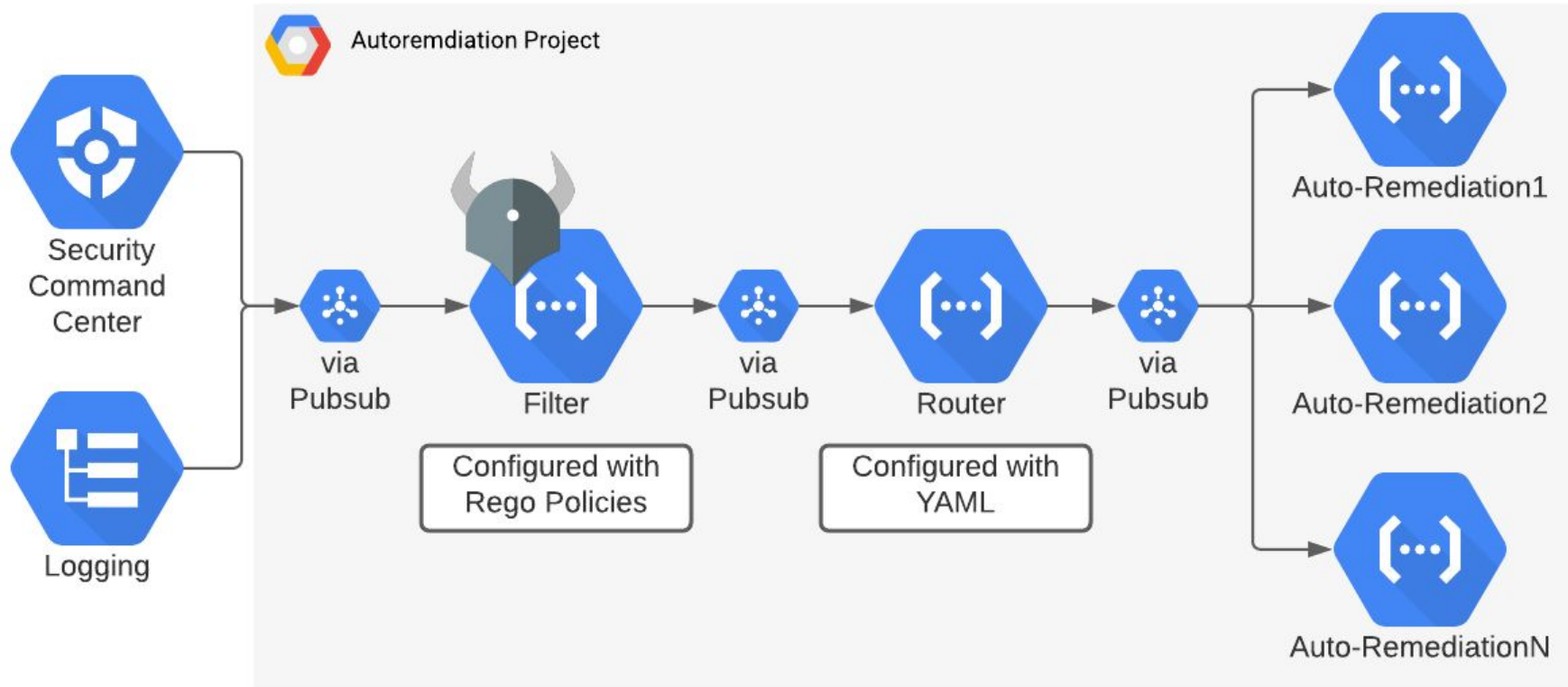
DEMO : TINES

DESIGN AND CODING BY YOUR TEAM





Reference: <https://techcommunity.microsoft.com/t5/azure-security-center/how-to-isolate-an-azure-vm-using-azure-security-center-s/ba-p/1250985>



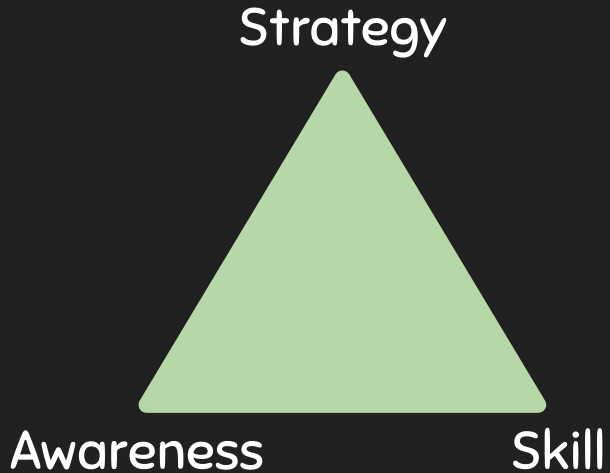
Reference:

<https://github.com/GoogleCloudPlatform/security-response-automation>

SUMMARY

SUMMARY

Always up to date



Embrace automation



TAKE AWAY

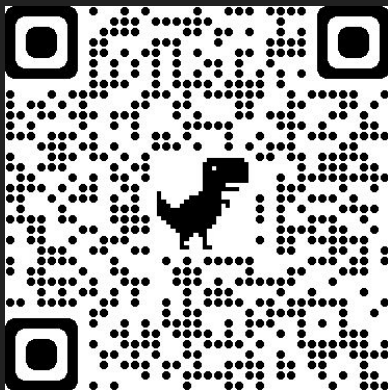
Tools

- Tines.io
- <https://docs.aws.amazon.com/solutions/latest/aws-waf3-security-automations>
- <https://techcommunity.microsoft.com/t5/azure-security-center/how-to-isolate-an-azure-vm-using-azure-security-center-s/ba-p/1250985>
- <https://github.com/GoogleCloudPlatform/security-response-automation>
- <https://github.com/google/cloud-forensics-utils>
- https://github.com/ThreatResponse/aws_ir

Collection

- <https://github.com/4ndersonLin/awesome-cloud-security>

WE ARE HIRING



<https://github.com/MaiAmis/Careers>

THANKS!

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