

DigiGuard

Ops 401d8 Midterm Project

11. 11. 2023

AGENDA



Team Member
Introductions



Problem Domain and
Project Overview



Solutions
Implemented



Topologies and
Flowcharts



Application
Demonstration



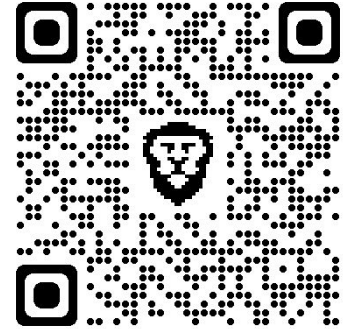
Q&A

MEET THE TEAM



Gerald Reitmeyer
Ed Ayala
David Prutch
Carlos Rojas
Chris Bennett

GitHub Project Page



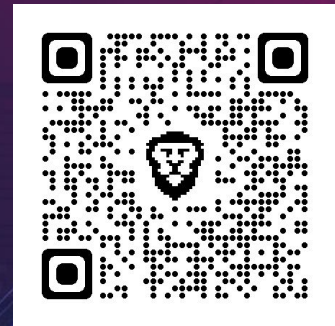
Gerald Reitmeyer

- Cybersecurity Professional
- Retail and Landscaping background
- Value privacy



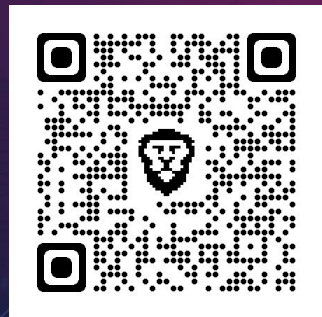
Ed Ayala

- Marine Corps Veteran with background in Human Resources and Project Management
- Thirst for knowledge and the allure of technology propelled me to take a daring step into the world of cybersecurity.
- Dedication to excellence, a commitment to growth, and unyielding drive to make an impact



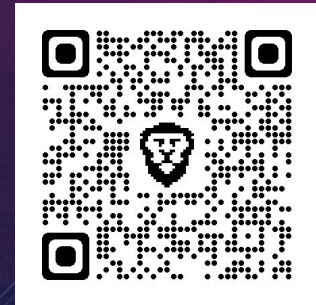
David Prutch

- Navy Veteran
- Background in:
 - Electrical Troubleshooting
 - Software QA
- Passionate about problem solving, looking forward to solving complex real world challenges in the Cybersecurity arena.



Carlos Rojas

- Cybersecurity Professional
- US Army veteran
- Passionate about safeguarding digital assets and countering cyber threats



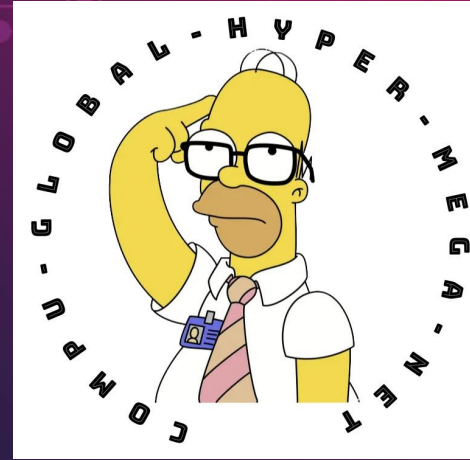
Chris Bennett

- Retired Coast Guard Chief Petty Officer
- Master of Arts in Homeland Security
- Background in:
 - Physical security management
 - Regulatory compliance and enforcement
 - Emergency and crisis management.
- Looking to leverage previous background as I expand into cybersecurity

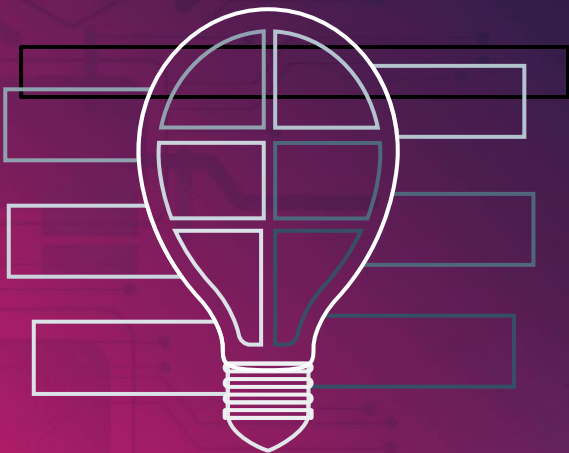


Problem Domain

- Our team has been contracted to help a client:
 - Improve security for their cloud computing environment
 - Focus on logging, monitoring and detecting



Solutions



01.

CIS Compliant

- Linux - Data Server
- Windows Server

02.

Encryption

Data at rest and in transit

03.

SIEM

- CloudWatch Log Aggregation

04.

Alarms and Notification Service

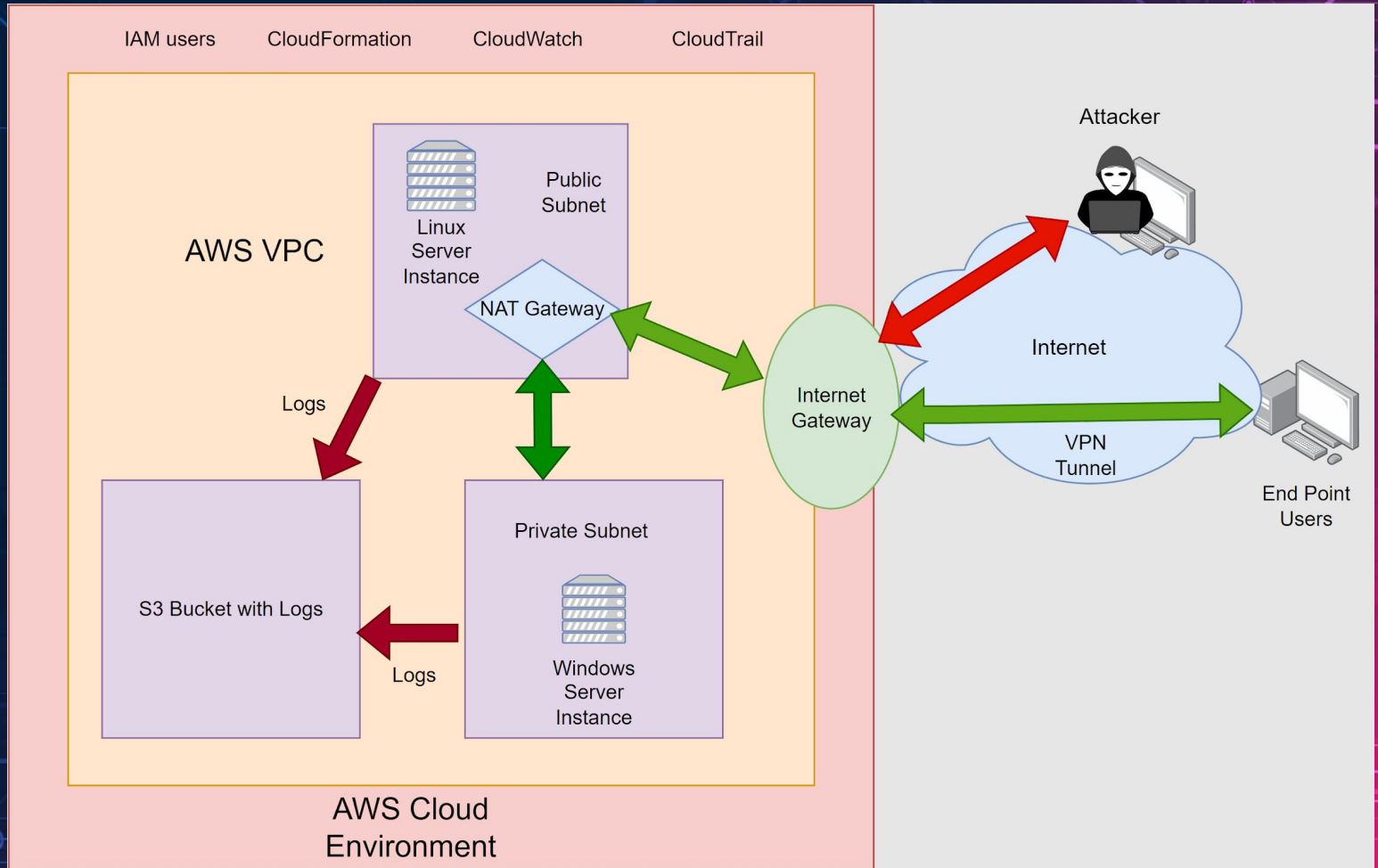
Compliance

- Two Frameworks:
 - Center for Internet Security (CIS) compliant instances
 - National Institute of Standards and Technology (NIST) Cybersecurity Framework



Topologies and Flowcharts



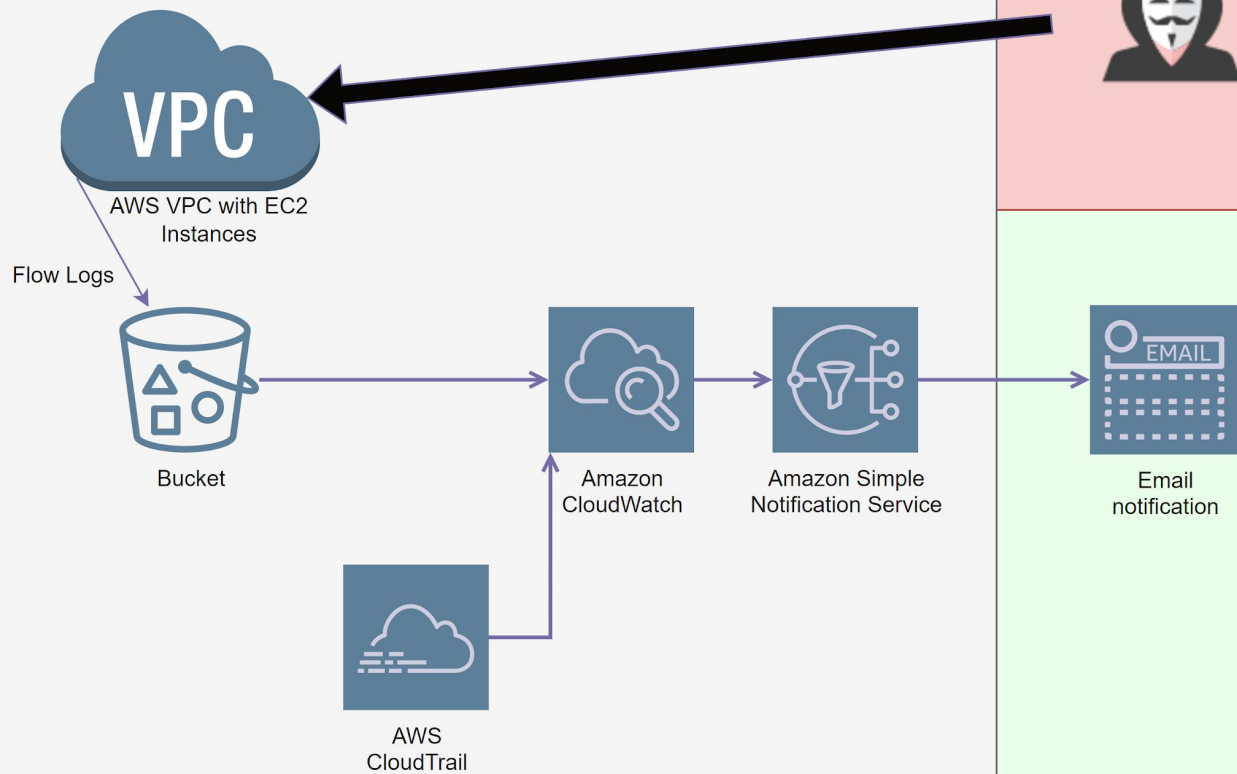


Demonstrations



ALERT

FLOWLOG
TRAIL





**Resources
and Thanks!**



Questions?

