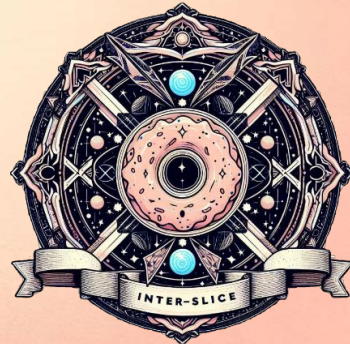


# Agenda

1. Meet The Team
2. Problem Domain & Project Overview
3. Our Solutions
4. Demonstrations
5. Q&A



# InterSlice, Inc.



*Steve Cherewaty*



*Omar Ardid*



*Cody Blahnik*



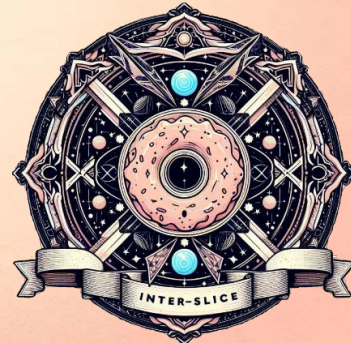
*Julian Pena*





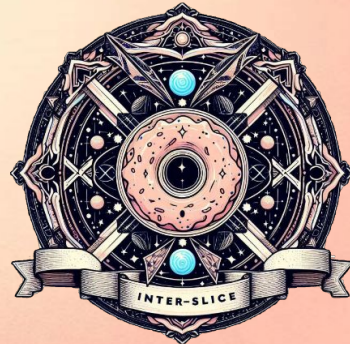
# Julian Pena

- *Cybersecurity Professional*
- *U.S. Army veteran*
- *Logistics expert*



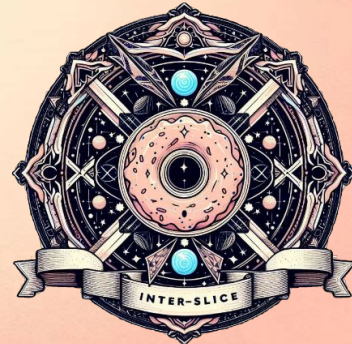
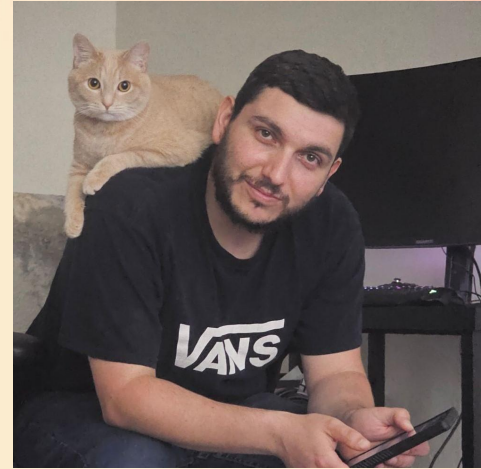
# Omar Ardid

- Cybersecurity Professional
- Enjoy building gaming computers and playing video games
- Passionate on helping others



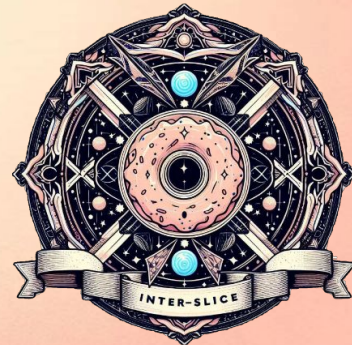
# Cody Blahnik

- Cybersecurity professional
- Advanced Troubleshooter
- Machine learning



# Steve Cherewaty

- *Cybersecurity professional*
- *Background in aerospace and startups*
- *Passion for building*





# *Cromulent Innovations - Problem Domain*

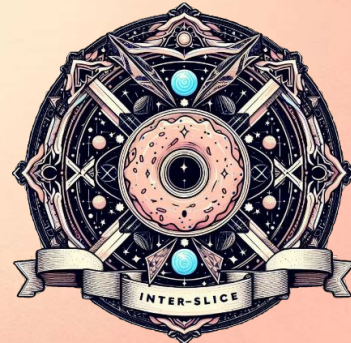
*Build Cloud Infrastructure*

*Implement Cloud Security*

*Log Aggregation/SIEM Solution*

*Align CIS/NIST Compliance*

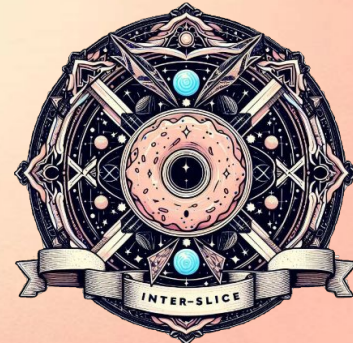
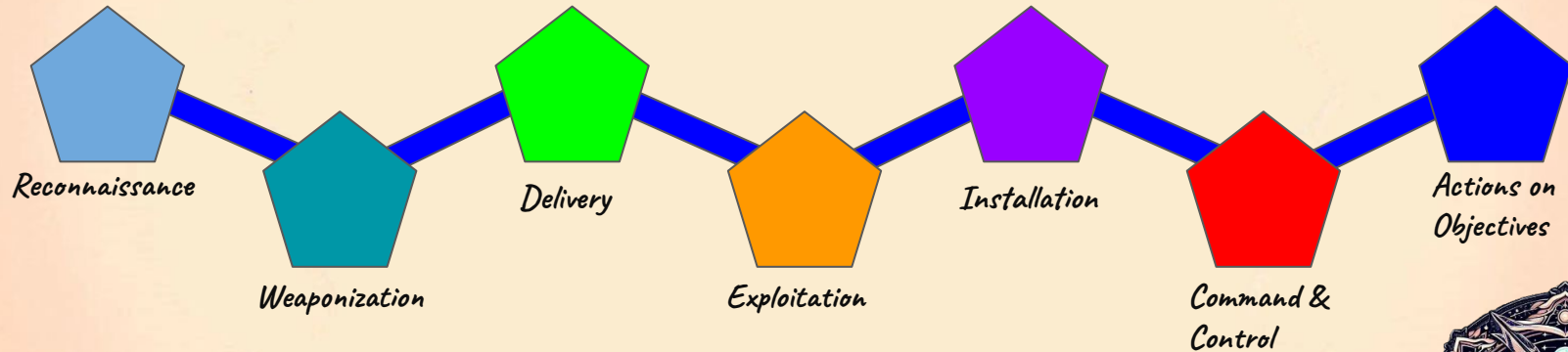
*Demonstrate Attack-Solution*





# Cyber Kill Chain

- Developed by Lockheed
- Describes the steps in cyber attacks



# InterSlice Solutions

Access Control - IAM Identity Center

Exploitation

Deploy NIST & CIS-Compliant EC2's

Reconnaissance

SIEM Solution - CloudWatch

Command & Control

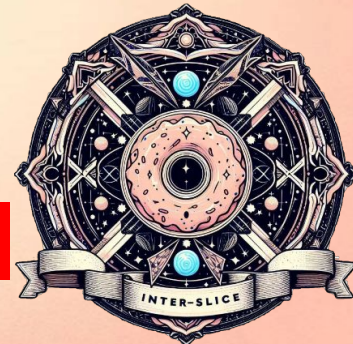
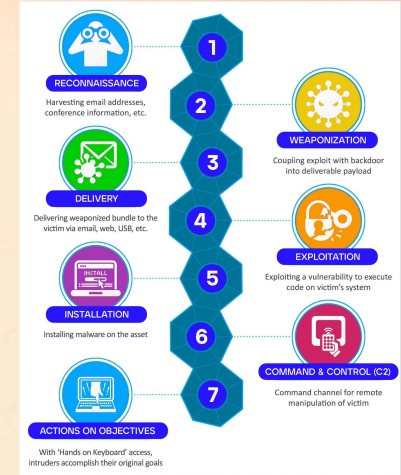
Data Protected At-Rest

Actions On Objectives

Data Protected In-Transit

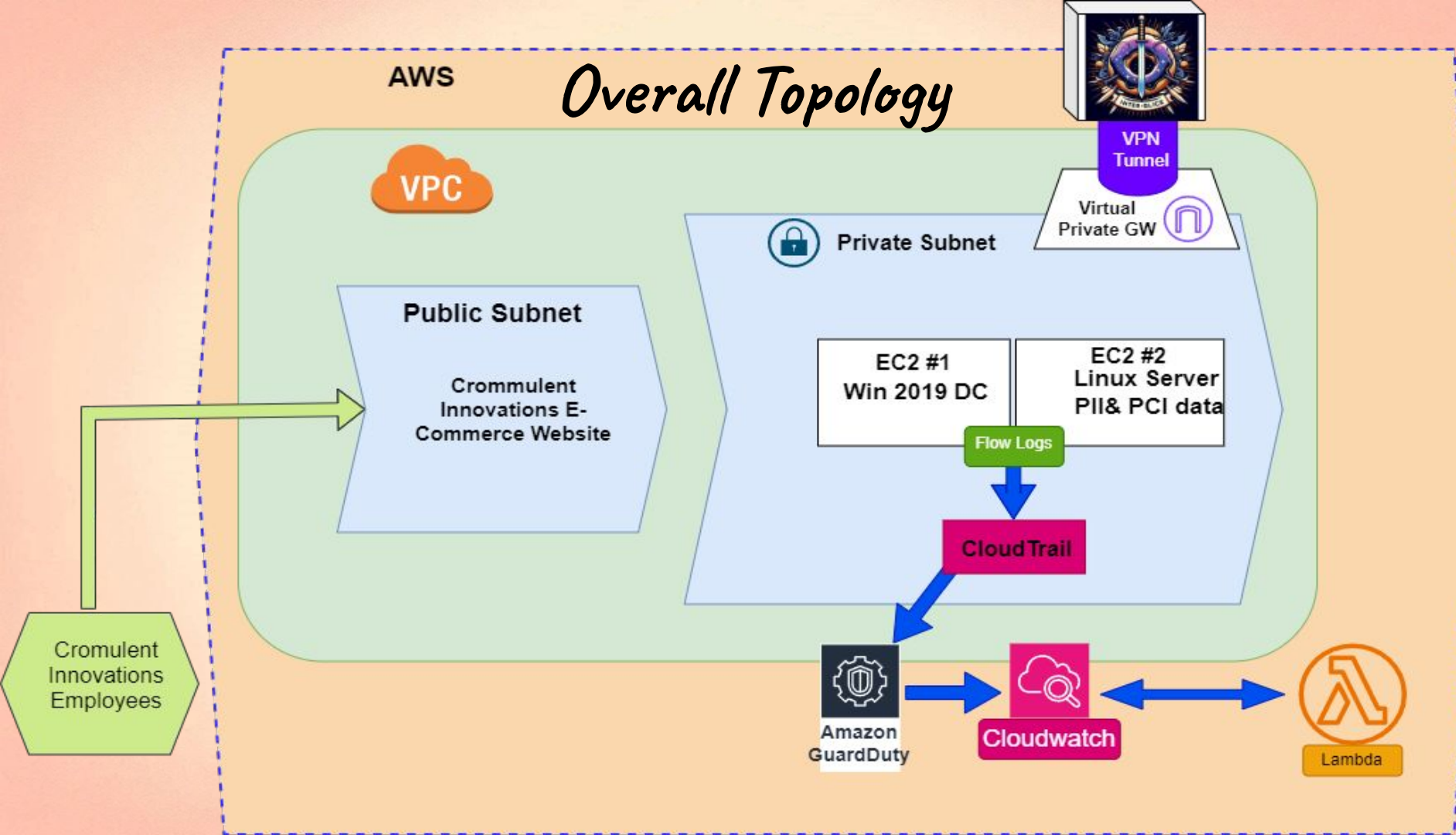
Delivery

Command & Control



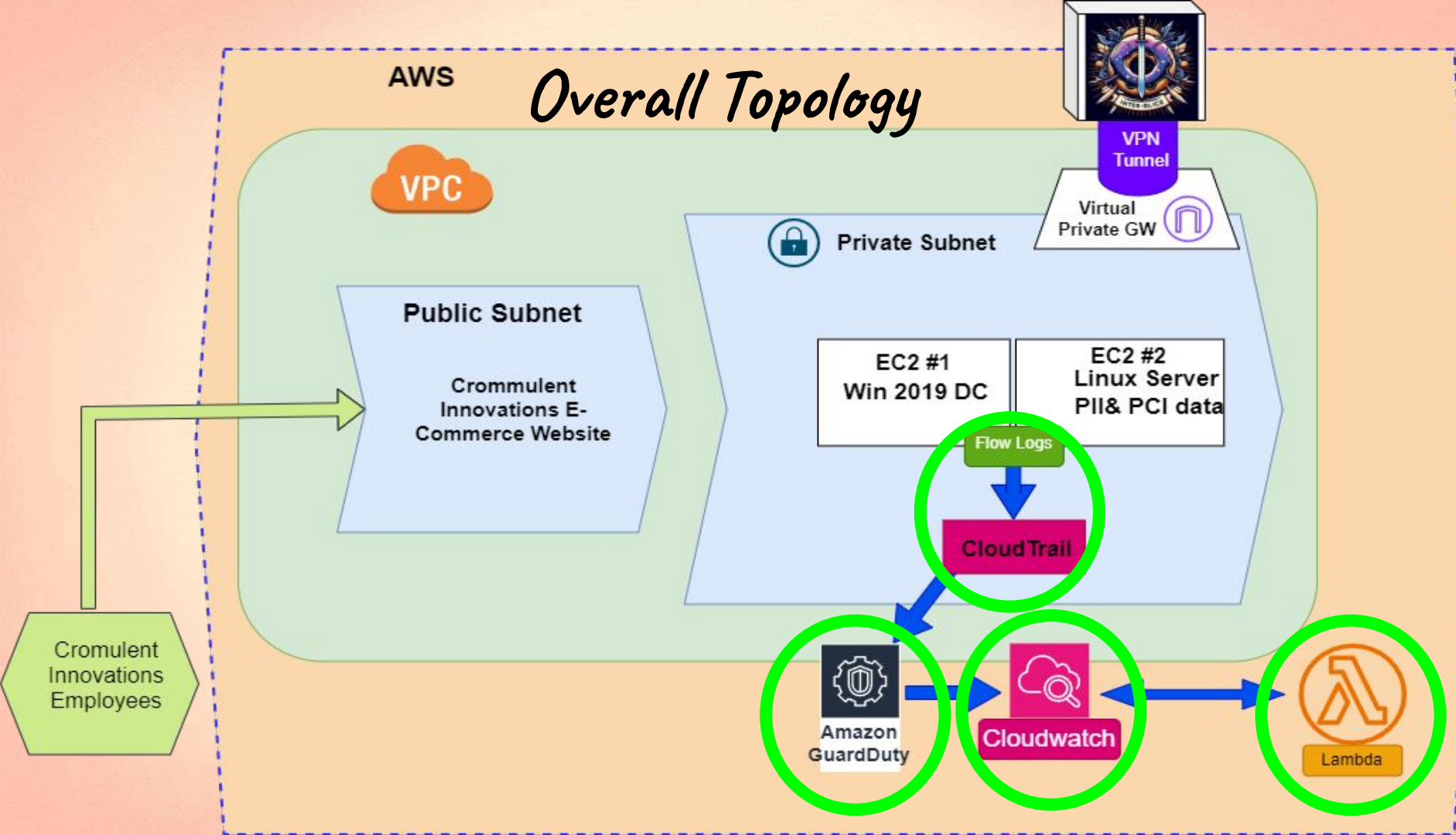
AWS

# Overall Topology



AWS

# Overall Topology





# Access Control

## Users (5)

Users listed here can sign in to the AWS access portal to access AWS accounts and assigned cloud applications. [Learn more](#)

Username ▾

Find users

<input type="checkbox"/>	Username	Display name	Status	MFA devices
<input type="checkbox"/>	<a href="#">Ethan-MGMT</a>	Ethan Denny	Enabled	<a href="#">1 device</a>
<input type="checkbox"/>	<a href="#">Omar-INSC</a>	Omar Ardid	Enabled	<a href="#">1 device</a>
<input type="checkbox"/>	<a href="#">Cody-INSC</a>	Cody Blahnik	Enabled	<a href="#">1 device</a>
<input type="checkbox"/>	<a href="#">Julian-INSC</a>	Julian Pena	Enabled	<a href="#">1 device</a>
<input type="checkbox"/>	<a href="#">Steve-INSC</a>	Steve Cherewaty	Enabled	<a href="#">1 device</a>

[IAM Identity Center](#) > Groups

## Groups (3)

With groups, you can grant or deny permissions to groups of workforce users, rather than having to apply those permissions to each user. [Learn more](#)

Find groups by group name

<input type="checkbox"/>	Group name	Description	Created by
<input type="checkbox"/>	<a href="#">Management</a>	To view and direct...	Manual
<input type="checkbox"/>	<a href="#">Operations-Support</a>	Infrastructure maintenance	Manual
<input type="checkbox"/>	<a href="#">Technical-Support</a>	Technical problem solver	Manual

## Permission sets (2)

Permission sets define the level of access that users in IAM Identity Center have to their assigned AWS accounts. The names of permission sets appear as available roles in the AWS access portal. Users who are assigned to multiple AWS permission sets can sign in to the AWS access portal, choose an account, and then choose a role that AWS created from an assigned permission set. [Learn more](#)

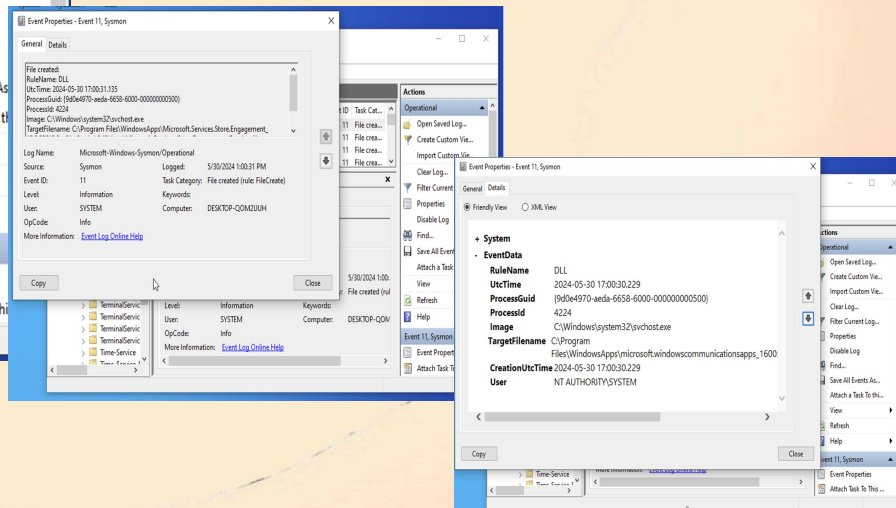
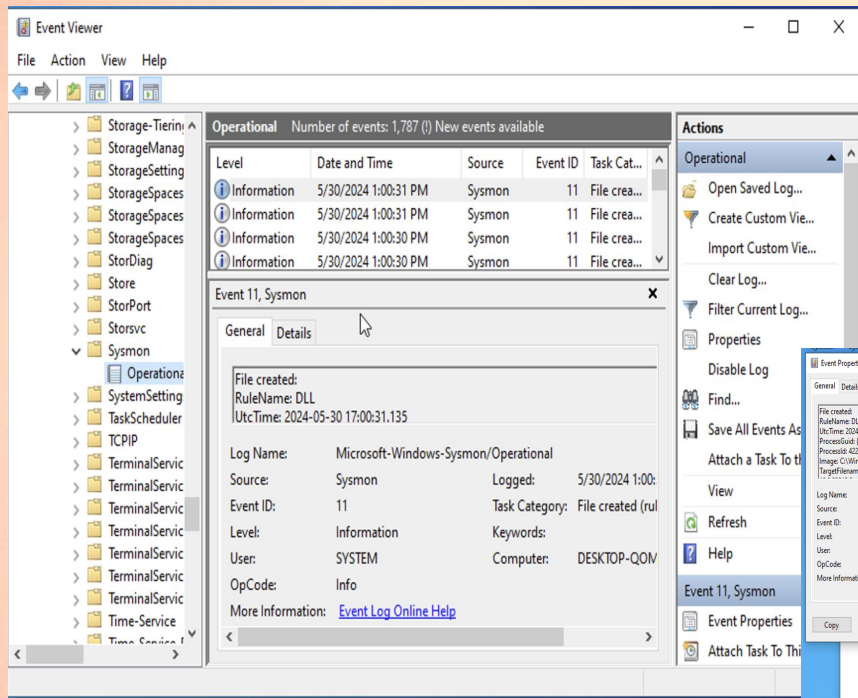
Find permission sets by full ARN or permission set ID (i.e., ps-abcdefg123456789).

<input type="radio"/>	Permission set	Description	ARN	Provisioned status	Creation time
<input type="radio"/>	<a href="#">ViewOnlyAccess</a>	In order to oversee.	arn:aws:sso::permissionSet/ssoins-72233f49047412be/ps-6b83390722d...	Provisioned	2 days ago
<input type="radio"/>	<a href="#">AdministratorAccess</a>	For Interslice admins	arn:aws:sso::permissionSet/ssoins-72233f49047412be/ps-7afb004951a...	Provisioned	3 days ago

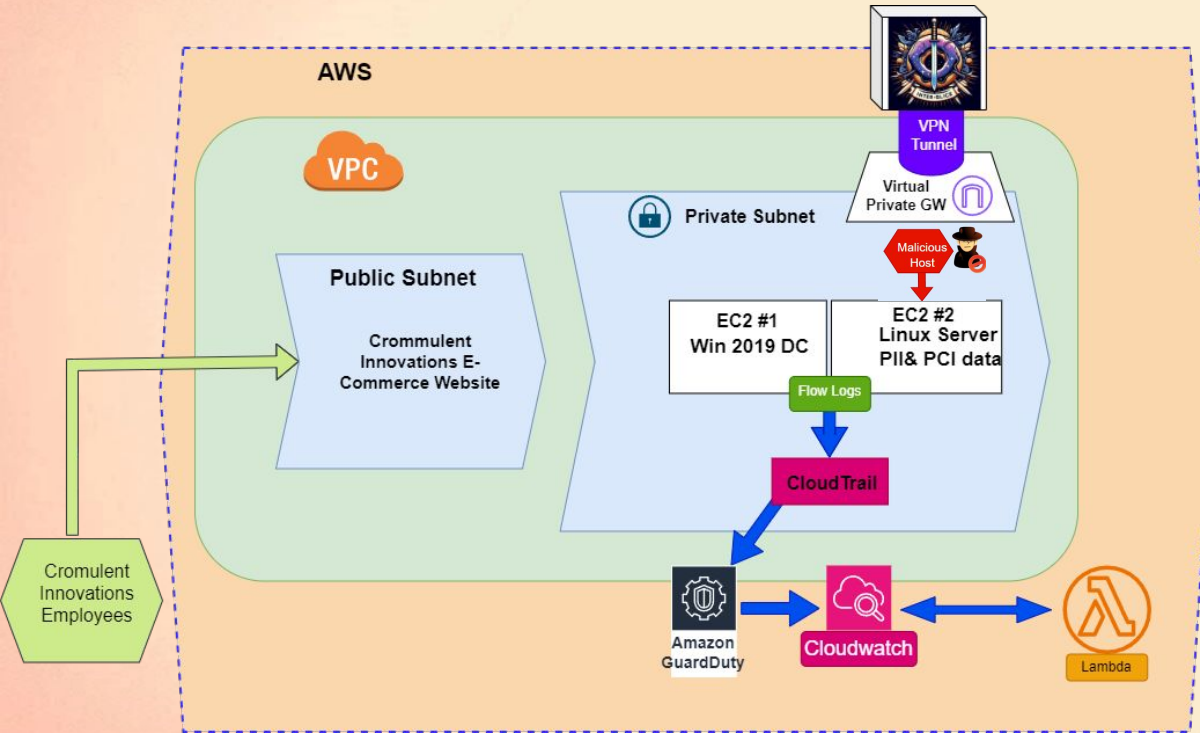
# Windows Server

Deployed as EC2 instance

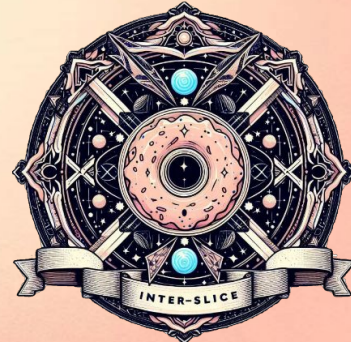
Uses Sysmon to (monitor and log events)



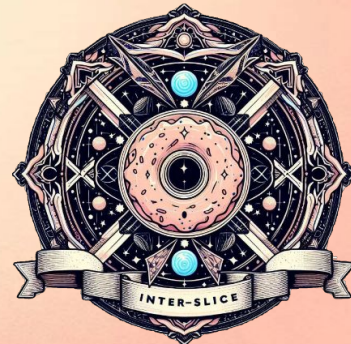
# Brute Force Attempts via SSH



- Data Breach
- Automated Tools
- Unauthorized Access
- Password Guessing

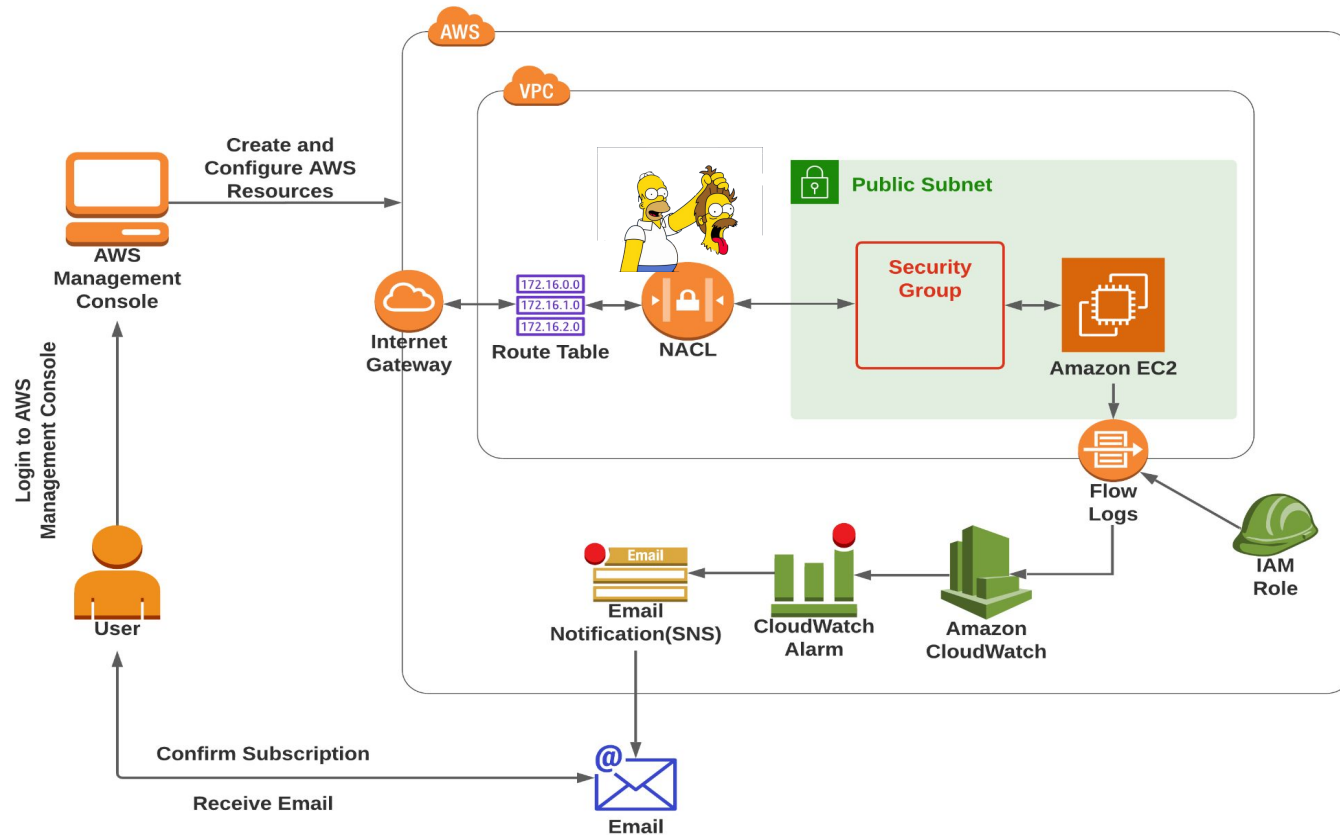


*Ooohh no we are under attack!!!*

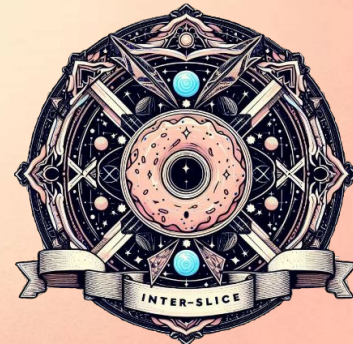




# The strategy for the response and security measurements.



Today is not the day and i am not the one!!



# Resources & Thanks. Questions?



*Github*



*Steve Cherewaty*



*Github*



*Omar Ardid*



*Github*



*Cody Blahnik*



*Github*



*Julian Pena*



*LinkedIn*



*LinkedIn*



*LinkedIn*



*LinkedIn*

# **Questions?**

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