IRON CLOUD

SECURITY

"Protecting your digital assets with the strength of *Iron Cloud Security*."

Agenda

- Team Member Introductions
- Problem Domain & Project Overview
- Team Process & Documentation
- Application Demonstration
- Q&A

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Our Team

- Deontae Carter
- Emilio Cejo
- Sierra Maldonado
- Jordan Marshall

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Deontae Carter

CompTIA ITF+ CERTIFIED

CompTIA A+ CERTIFIED · CE

- Navy Veteran
- Dual Certified
- Passion for Cybersecurity Operations

Connect With Me LinkedIn

LinkedIn | Deontae Carter

Emilio Ceja

- Cybersecurity Professional, looking to enter multimedia industry.
- Defend against Hackers, and other related malicious Threat Actors.
- Performer and Athlete, Graduating class of 2020.

LinkedIn

CompTIA
ITF+
CERTIFIED

Sierra Maldonado

- US Navy Veteran, Seabee
- ITF+
- Six Sigma White belt in HR
- Accepted to ASU Pre-Vet Program
- Connect with me on linkedin!

Jordan Marshall

- USAF Medic
- Working in the healthcare field for the past 10 years.
- Newly Comp TIA ITF+ certified
- I chose cybersecurity to learn a new skill and my interest in the field
- No prior IT experience

Project Overview

- IAM Users: We will establish and configure Identity and Access Management (IAM) users
- Server Hardening and Data Protection: We will implement robust security measures to harden the servers, safeguarding them against potential vulnerabilities and threats.
- SIEM / Log Aggregation System: To proactively monitor and detect potential security incidents
- Cloud Monitoring: We will establish comprehensive cloud monitoring mechanisms to continuously monitor performance, and security of the infrastructure.

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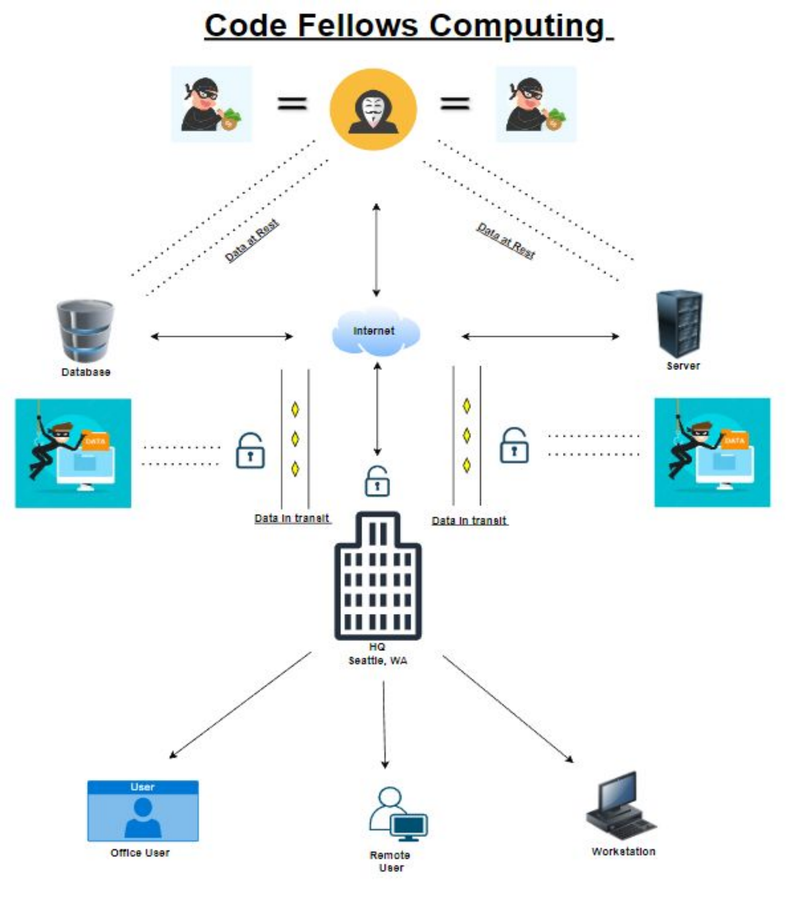
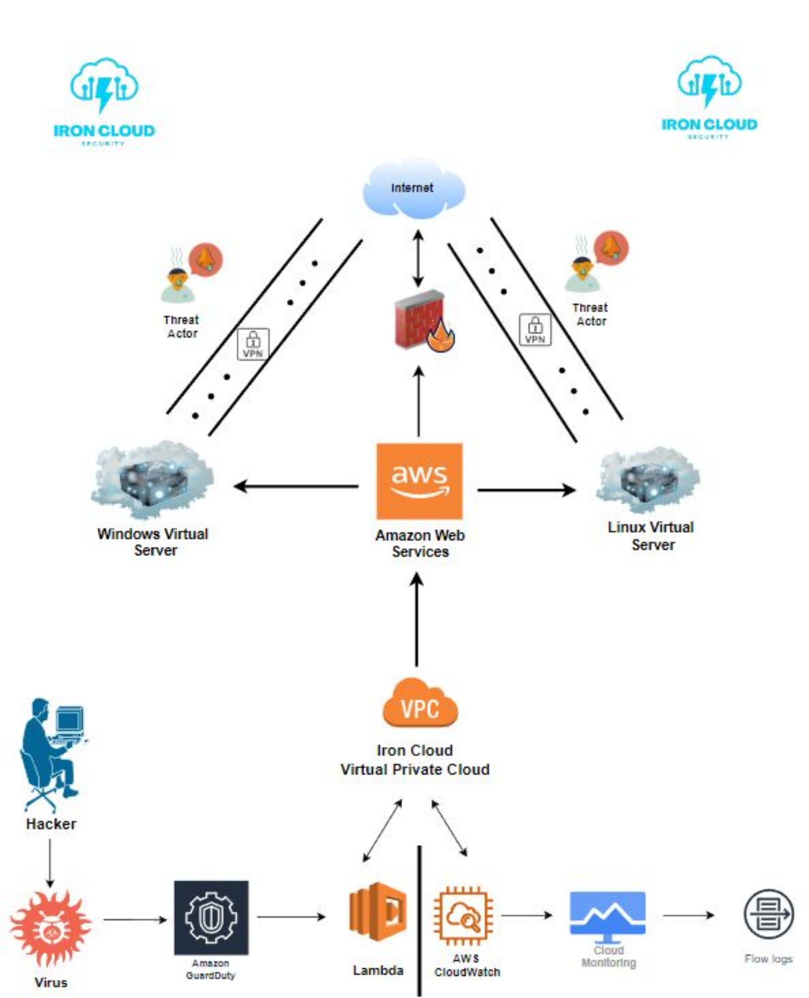
Problem Domain

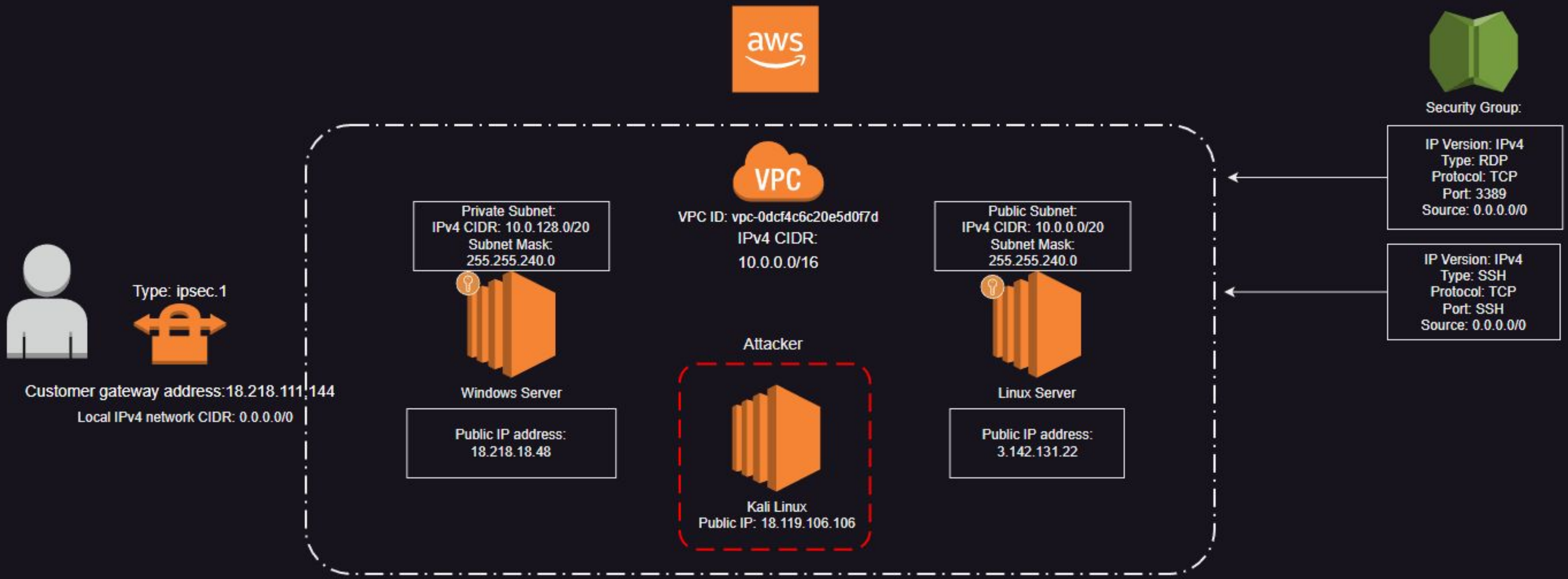


Iron Cloud has been contracted to improve the cybersecurity processes and systems for the client company, Code Fellows Computing. The client has a vulnerable cloud infrastructure that lacks security compliance and employs insecure networking methods.

Network Topology



Network Chart



Security Group:

IP Version: IPv4
Type: RDP
Protocol: TCP
Port: 3389
Source: 0.0.0.0/0

IP Version: IPv4
Type: SSH
Protocol: TCP
Port: SSH
Source: 0.0.0.0/0

VPC ID: vpc-0dcf4c6c20e5d0f7d
IPv4 CIDR:
10.0.0.0/16

Private Subnet:
IPv4 CIDR: 10.0.128.0/20
Subnet Mask:
255.255.240.0

Windows Server

Public IP address:
18.218.18.48

Public Subnet:
IPv4 CIDR: 10.0.0.0/20
Subnet Mask:
255.255.240.0

Linux Server

Public IP address:
3.142.131.22

Attacker

Kali Linux
Public IP: 18.119.106.106

Type: ipsec.1

Customer gateway address:18.218.111.144
Local IPv4 network CIDR: 0.0.0.0/0

Process & Documentation

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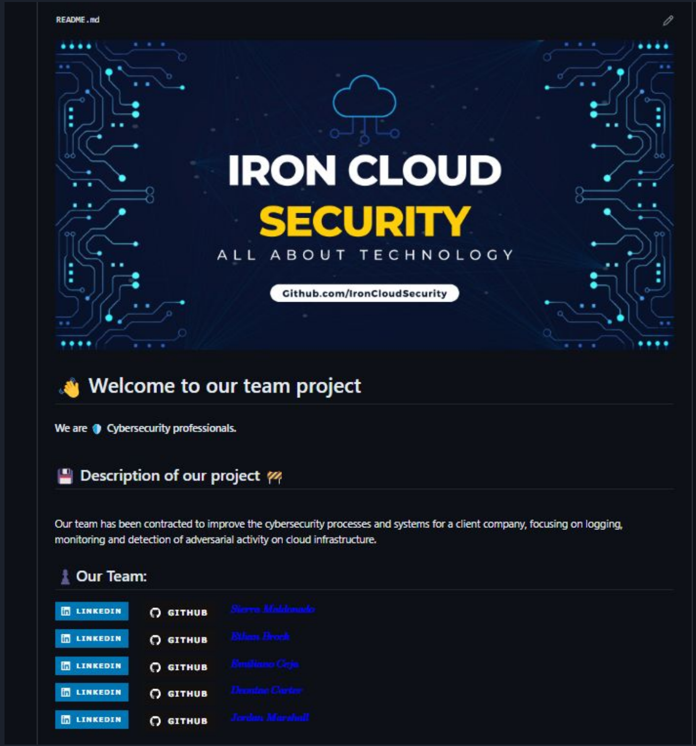

README.md

IRON CLOUD
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ALL ABOUT TECHNOLOGY
Github.com/IronCloudSecurity

👋 Welcome to our team project

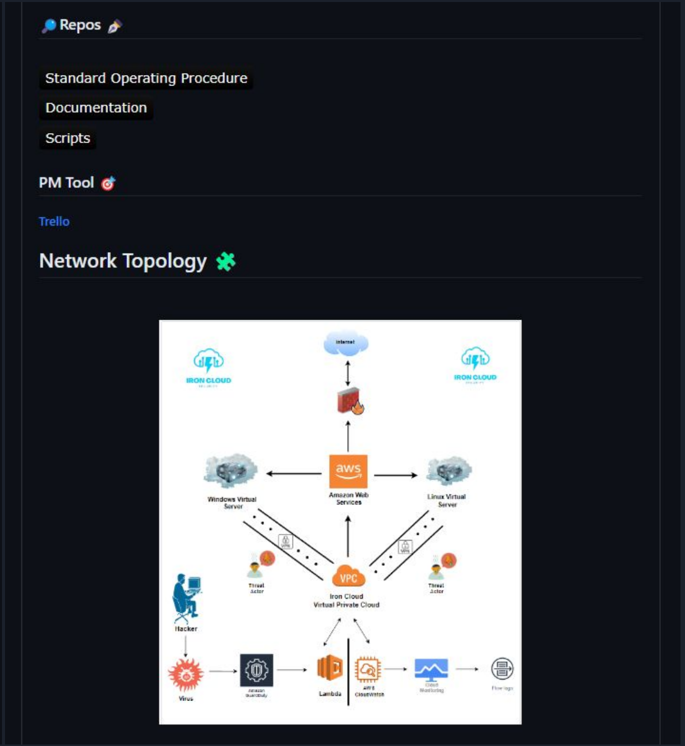
We are 🛡 Cybersecurity professionals.

💾 Description of our project 🚧

Our team has been contracted to improve the cybersecurity processes and systems for a client company, focusing on logging, monitoring and detection of adversarial activity on cloud infrastructure.

♟ Our Team:

LINKEDIN	GITHUB	Sierra Maldonado
LINKEDIN	GITHUB	Ethan Brock
LINKEDIN	GITHUB	Emiliano Ceja
LINKEDIN	GITHUB	Deontae Carter
LINKEDIN	GITHUB	Jordan Marshall



🔎 Repos 🖍

Standard Operating Procedure

Documentation

Scripts

PM Tool 🎯

Trello

Network Topology 🧩

Demo

Resources & Thanks

Special thanks to our fellow students and our instructors!

Questions?

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