

QuantumNet Solutions

A Networking Solutions MSP

Seattle Ops 301D14 Final Project



Agenda



1. Team Member Introductions
2. Problem Domain & Project Overview
3. Team Process & Documentation
4. Application Demonstration
5. Q&A

QuantumNet Solutions



Team Members

Tianna Farrow

Scotty Jokon

Festus Oguhebe Jr.

Israel Quirola Salas

Kevin Williams

Vision:

QuantumNet Solutions aspires to be the leader in transforming IT landscapes for our customers. We aim to be the trusted partner that fosters a secure and agile environment for our clients to thrive.

Mission:

We are dedicated to supporting a growing workforce, strengthening data security, and transforming networks to help growth and innovation.

Tianna Farrow

- Cyber Security Engineer
- Flight Medic
- Currently working on my BS in Biochemistry and AA in Japanese
- Avid Traveler and Foodie

Github



LinkedIn



Festus Oguhebe Jr.

- Cybersecurity Expert
- Prior Army and Air Force Captain
- Hold degrees in Psychology, Marketing, MBA and MSHA (Healthcare Administration)
- Led teams of military intelligence experts including in Cybersecurity

GitHub



LinkedIn



Israel Quirola

- Cybersecurity Engineer
- BA Economics
- US Army Veteran
- Former Perfumer

LinkedIn



GitHub



Scotty Jokon

- Cyber Security Professional
- RMI
- Caregiving/Warehouse Worker
- Passion for learning
- Paving the way for my people

GitHub



Linkedin



Kevin Williams

- Cybersecurity Professional
- US Navy Veteran
- Former Live Production Technician

GitHub



LinkedIn



Client Company: Tarantino Tech

- Growing technology company, currently consisting of 20 employees.
- Emphasized the importance of a secure and efficient network infrastructure
- Seamless communication between office and home company's central server.
- Implements measures to safeguard data
- Improve collaboration through file share
- Ensure business continuity with backup solutions
- Establish an IT onboarding policy



Our Solutions

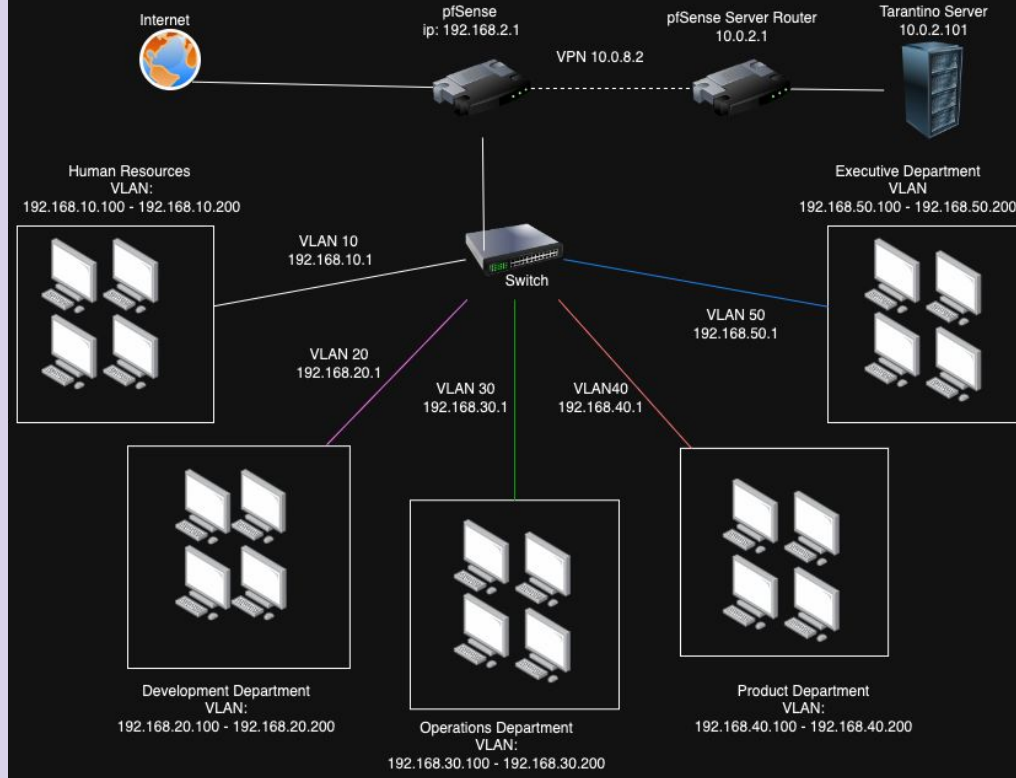


- IT Onboarding Policy to guide departments and new team members on how to set up and configure their computers along with other onboarding task.
- Separate VLANs for Departments for better isolation of traffic between departments and providing an extra layer of security.
- Backup Solutions implementing on-site and off-site to ensure business continuity.
- Implement a Powershell script to automate the deployment of a Windows Server.
- Setting up a site-to-site VPN tunnel between the office router and the home company's central server.

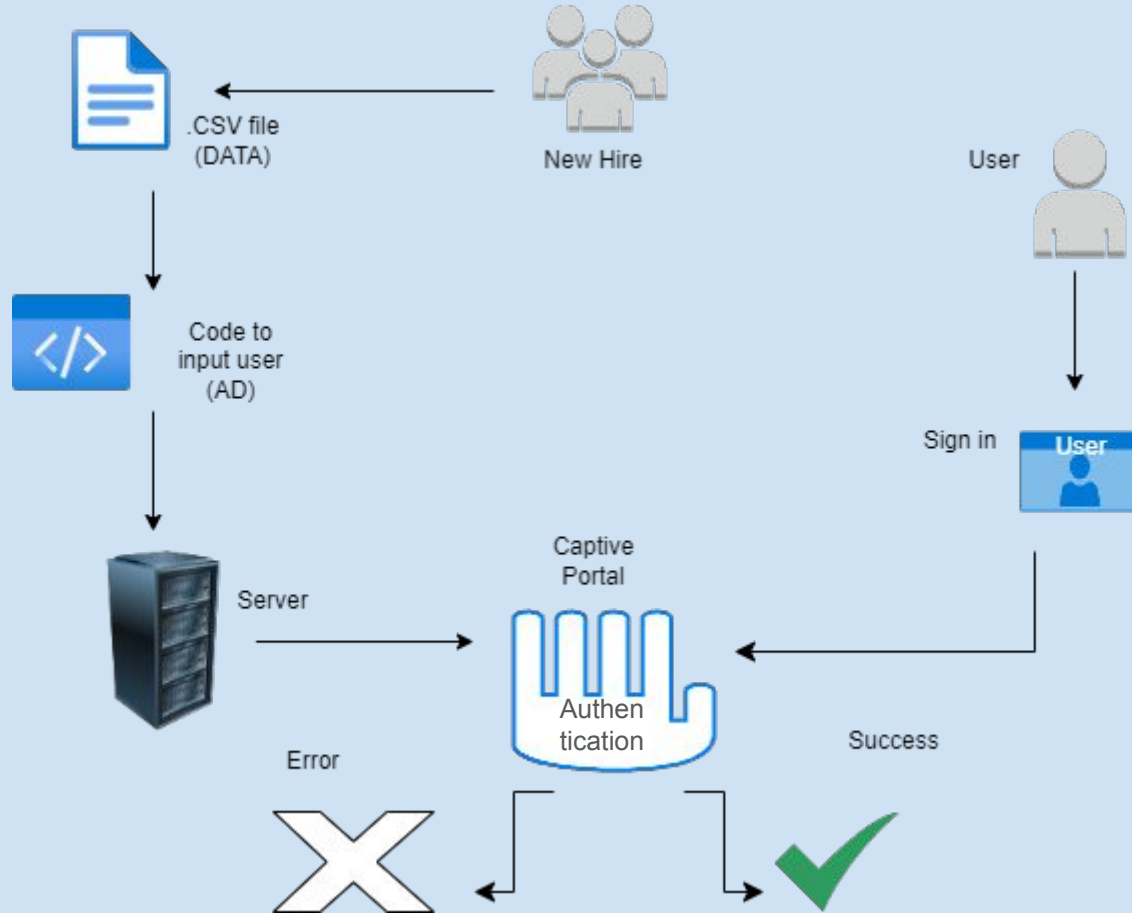


Network Topology

Tarantino Network Topology



AAA Authentication



Demo!



Our organization
Github with all of our
documentation,
visual, presentation
materials, and virtual
machines!

SCAN ME

Resources and Thanks!



- Code Fellows!
- Our Instructor and TA's!
- Our Fellow Classmates!
- For a full and comprehensive list of our resources please visit our github!

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SCAN ME

Questions?