Industrial Software Solutions

Final Project: 201d8

Agenda

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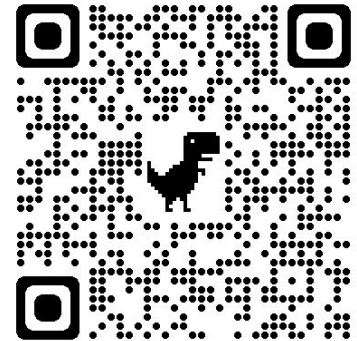4. Application Demonstration
5. Q&A

Our Team

CYBER
FELLOWS

1. Carlos Rojas
2. Nicholas Van Noort
3. Jonathan McMullin
4. Chris Bennett

Carlos Rojas

- Cybersecurity professional

- US Army Veteran

- Passionate about Safeguarding digital assets and countering cyber threats

CYBER
FELLOWS

Nicholas Van Noort

- 12 years of experience as a Certified Financial Planner(CFP)

- 10 years in the Army

- Unique skill set in identifying and mitigating vulnerabilities for organizations in an ever-evolving digital landscape.
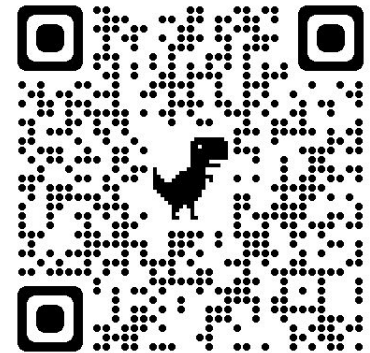
Jonathan McMullin

- US Army Veteran
  - Active security clearance - specialized in Human Intelligence
- Strong interpersonal and analytical skills
- Fluent in English and Russian
- Transitioning to Cybersecurity
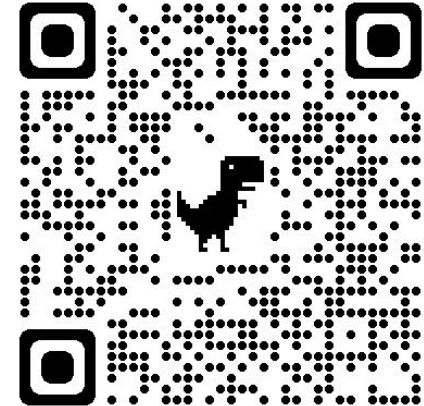
Chris Bennett

- Retired Coast Guard Chief

- Master of Arts in Homeland Security

- Background in:
    - Physical security management
    - Regulatory compliance and enforcement
    - Emergency and crisis management.

- Looking to leverage previous background into expanding into cybersecurity

- Fun/interesting fact

Industrial Software Solutions
- What is your problem domain?

- Company transitioning from fully remote to hybrid work

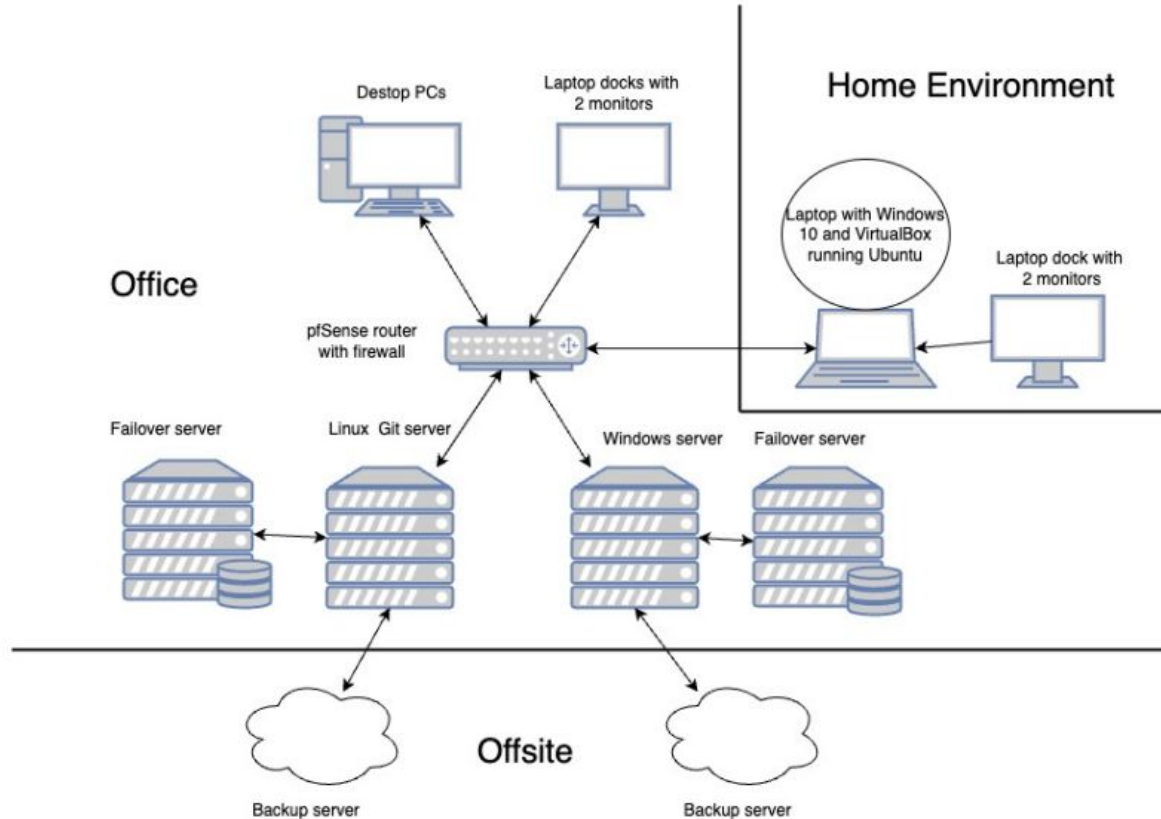- Hybrid workers need to be able to remote in

- Security is a high priority

Solutions

- Give me a project overview

- Custom Built Laptops

- On Site Git Server with off-site backup

- Military Grade CyberSecurity

- Networked File Sharing

Network Topology

Demo!

Provision a Single End-User Account (non-admin)

Chris Bennett

PowerShell Script

Set a temporary password and the username
$password = Read-Host -AsSecureString

Set up new user
New-LocalUser -Name "LazyUser" -Password $password -FullName "Lazy User" -Description "Test user"

Set groups
Add-LocalGroupMember -Group Users -Member LazyUser

Other groups can be added: Administrative, HR, Accounting, Developers, Management

PowerShell Script

Create Microsoft user account with Outlook email
New-LocalUser -Name "MicrosoftAccount\accountName@outlook.com"
-Description "Microsoft account description"

Remove user account on termination
Remove-LocalUser -Name "USER_ACCOUNT_NAME"

OS Customization and Provisioning

Carlos Rojas
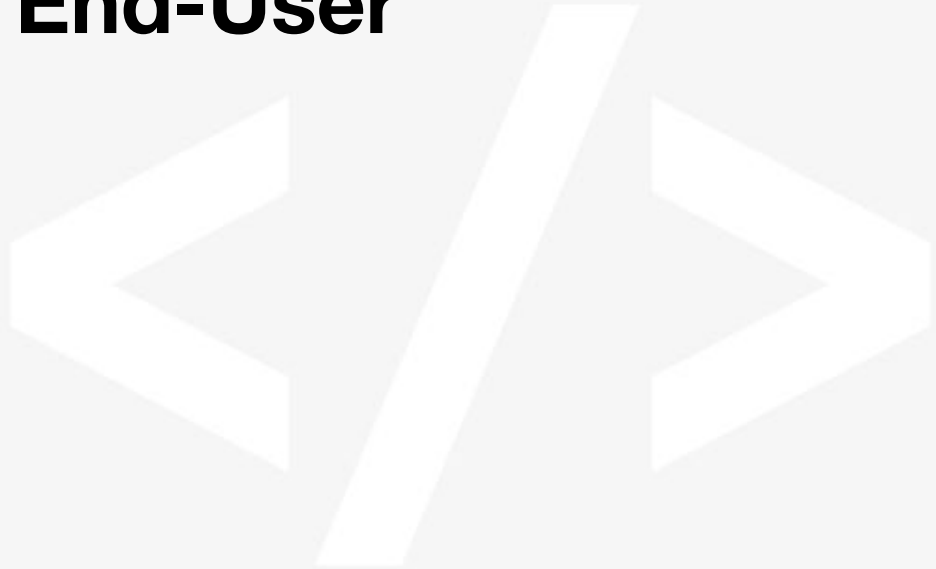
Software Applications and Network Resource Features

Nicholas Van Noort

Remote Connectivity to system as MSP and End-User

Robert Colthorp

File/Folder Backup and Restoration

Jonathan McMullin

- Backup/Restore Solution - Veeam
  - Cross-platform utility (Linux and Windows)
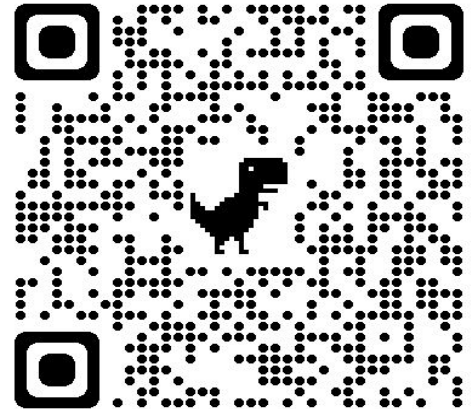 - Scalable
  - Supports bare metal restoration

Link to Project GitHub with Information and Contact Info for Team

github.com/Industrial-Software-Solutions-MSP

Resources & Thanks

- Resources
- Thanks
  - Our instructor - Ethan for his guidance throughout the course!
  - Blogger - The Lazy Admin for the PowerShell script to create new users:
    https://lazyadmin.nl/

Questions?