

IT Infrastructure Modernization

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TOPICS COVERED

- TEAM INTRODUCTIONS
- PROBLEM DOMAIN AND SOLUTION OVERVIEW
- PROCESSES AND DOCUMENTATION
- QUESTIONS

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THE DREAM TEAM

ALEX WISE

BEN ARNO

JOSE CARDOZO

KEVIN ISAAC



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ALEX WISE

- PHYSICAL PENETRATION TESTER
- UNITED STATES MARINE WITH EXPERIENCE IN COMMUNICATIONS AND ENCRYPTION
- EXTREMELY DETAIL ORIENTED



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BEN ARNO

- DEVOPS ENGINEER
- FORMER DATA INFRASTRUCTURE TECHNICIAN
- STRONG BUG FIXING SKILLS

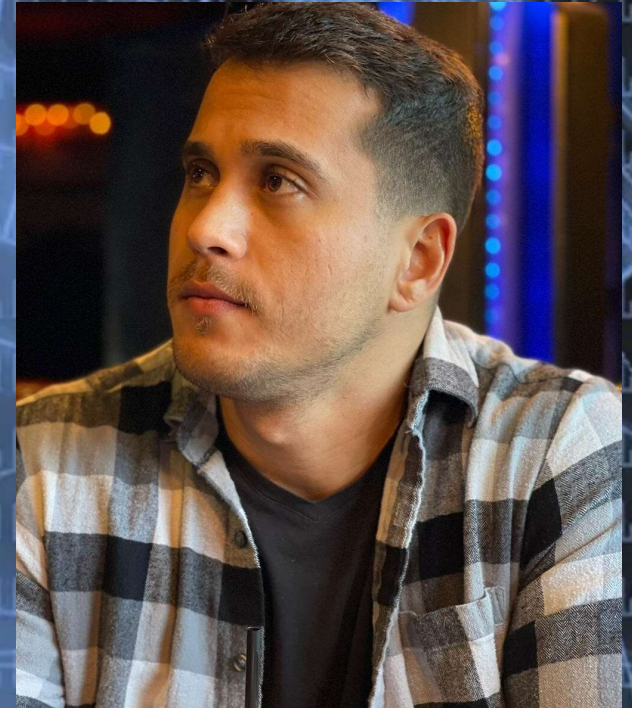


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JOSE CARDOZO

- CYBER SECURITY ANALYST
- ARMY VETERAN – WORKED WITH EXPLOSIVES
AND ROUTE CLEARANCE
- DEDICATED TEAM MEMBER



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KEVIN ISAAC

- NETWORK SECURITY ENGINEER
- 12 YEAR AIR FORCE VETERAN - LOAD CREW
TEAM CHIEF - WEAPONS SYSTEMS OF F-16s
- STRONG LEADERSHIP SKILLS
- TEANACITY TO ACCOMPLISH THE MISSION



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PROBLEM DOMAIN

- CLIENT-SERVER DOMAINED NETWORK
- AUTOMATION & SCRIPTING
- SECURE MEANS OF SHARING LOGICAL ASSETS

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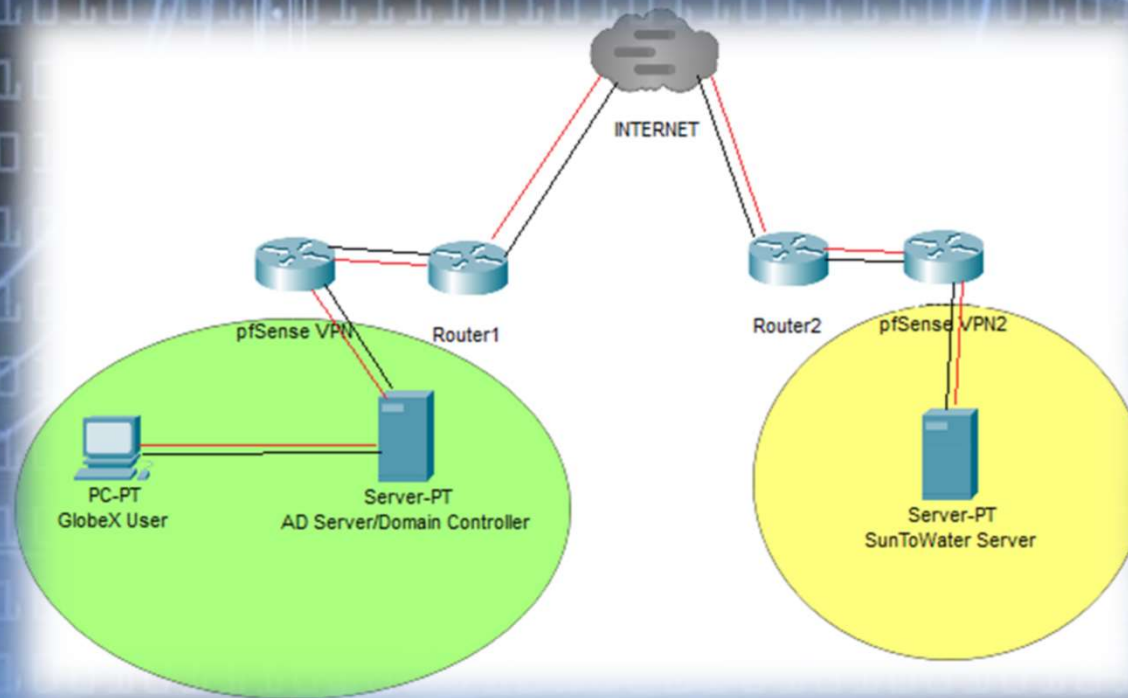
MISSION OVERVIEW

- DC Server for Active Directory
- PowerShell script - automate employee profiles & OUs
- pfSense RADIUS Captive Portal - AAA

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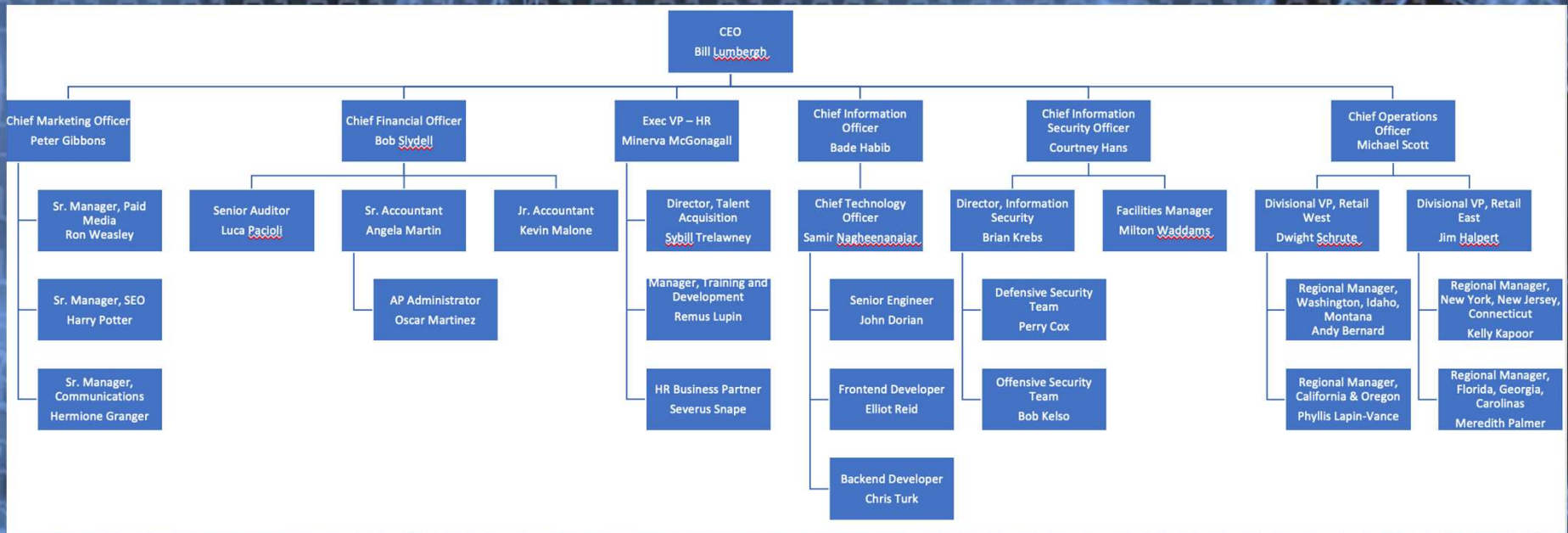
NETWORK TOPOLOGY



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AUTOMATION PROCESS



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```

1 # Organizational Unit Automation
2
3 $OrgList = @("Marketing", "Finance", "HR", "Information", "Operations", "Technology")
4
5 Foreach($Org in $OrgList) {
6     [New-ADOrganizationalUnit $Org]
7 }
8 New-ADOrganizationalUnit
    
```



QUESTIONS?

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