

EnergyWise Integration

Seattle-ops-301d6: Final Project



Agenda

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

J-AAT

Jesús' Apostles of Advanced Technology.

1. Jesús Ceja
2. Andrew Perry
3. Alexander Echols
4. Tyler Housden



Linked 



Jesús Ceja



- Cybersecurity Professional, interested in multimedia companies.
- Performer and Athlete, Graduating class of 2020.
- Defend against Hackers, and other related malicious Threat Actors.



Linked in

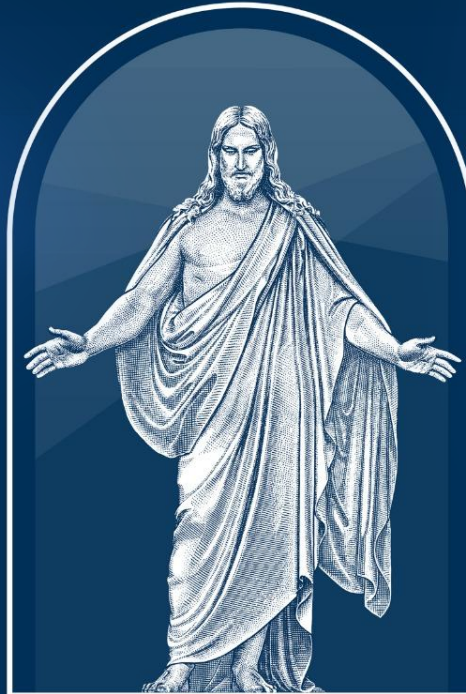


Alexander Echols

- Co Founder / Lead Code Tester of J-AAT
- Jr. Network Administrator
- Physical penetration tester
- Master of Disguise
- Creating an obstacle course for my chickens to run

Andrew Perry

- Life of service in all things.
- Emergency Medical Technician



THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS



- 3rd Infantry Division, United States Army
- ~ Let us live so that when we come to die even the undertaker will be sorry ~



Tyler Housden



Linked in



Hime
(HeMay)
Japanese for
Princess
Breed:
Pixiebob

- USMC Veteran
- Transitioning from fighter jet (F18,F35,F16) avionics tech to IT.
- Cyber security student who wants to make a difference in the military sector.
- Hobbies:
 - Hiking (Grand Canyon)
 - Snowboarding (Hakuba, Japan)
 - Passionate about the Tech industry.



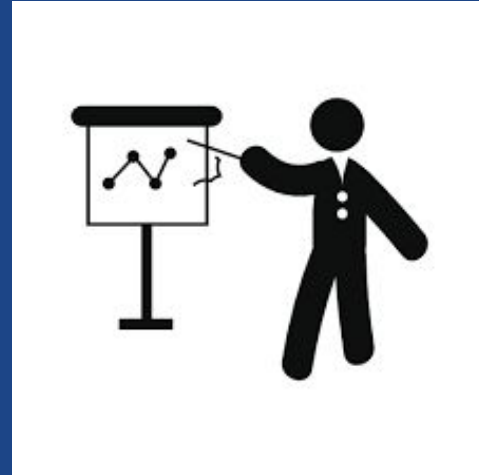
Problem Domain

- Requires full infrastructure update to integrate with GlobeX
- Deployment methods to configure a new WinServer
- Necessary Site-to-Site VPN

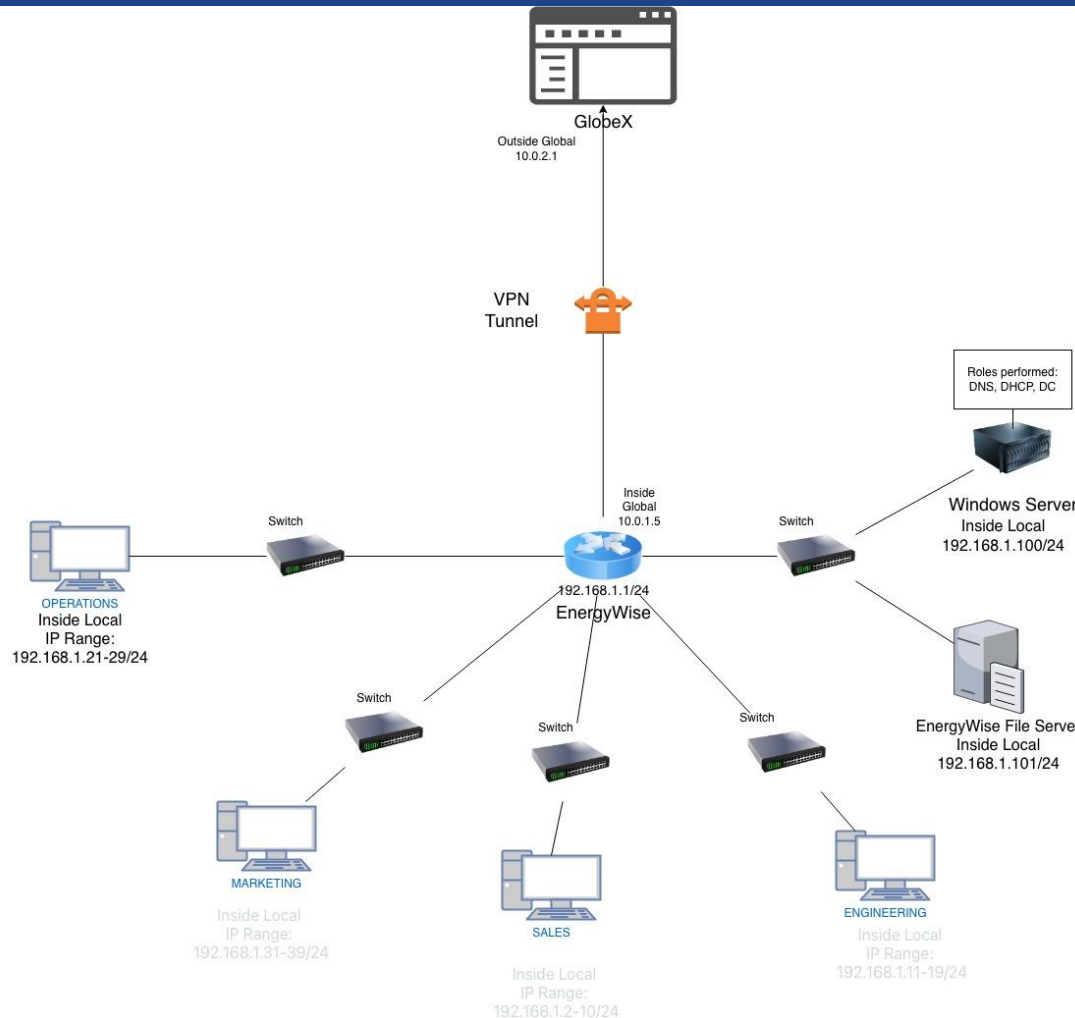


Our Solutions

- Powershell script to configure the Win Server
- Site-to-site VPN for secure file sharing between Globex and EnergyWise
- FreeRADIUS to authenticate employees
- Captive Portal to secure logins at the user level.



Demo!

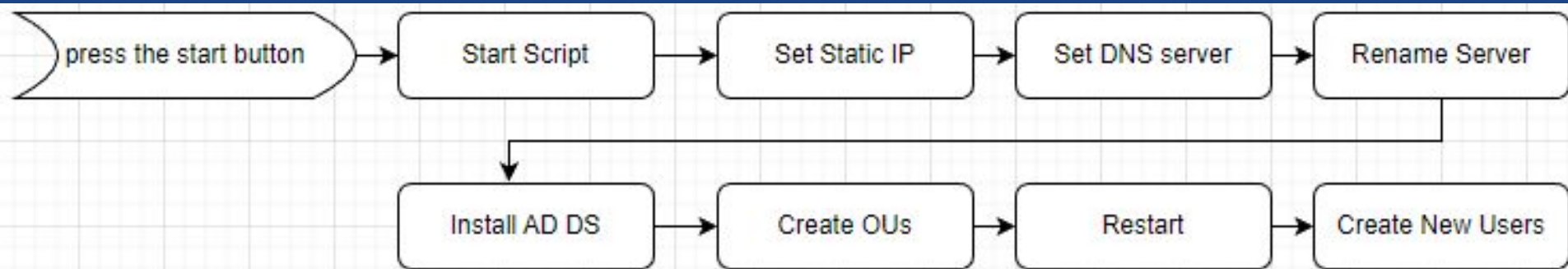


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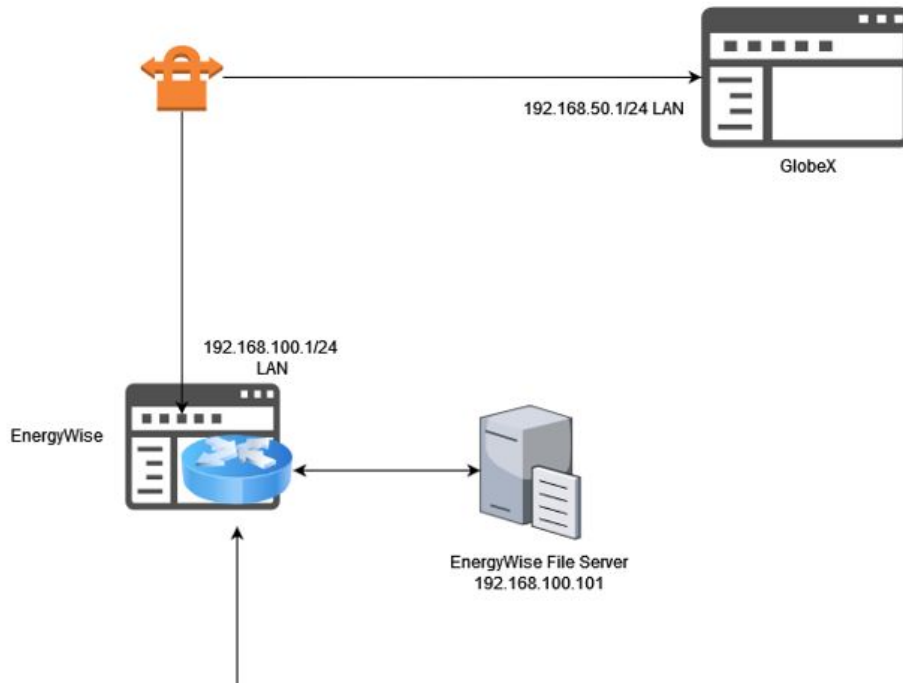
Jesús' Apostles of Advanced Technology.



Automation of Server Configuration



VPN Topology



- Connecting EnergyWise to GlobeX network.
- Access to a file server.
- Companies also have access to Google Workshop for cloud collaboration.

Resources & Thanks

- Thanks to the team of J-AAT for all your hard work.
 - Thanks to the instructional team for their guided assistance.
 - Thank you to the TA's for your continued patience
 - Thank you to ChatGPT for its continued guidance
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Questions?
