



“Acquire. Innovate. Elevate.”

Agenda

1. Team Member Introductions
2. “Why We Are Here” & Project Overview
3. Diagrams & Documentation
4. Live Demonstrations
5. Q&A

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Meet Our Team

- Deontae Carter
- Dericus Horner
- Joshua Phipps
- Justin 'Sage' Tabios
- Marco 'Hot Mic' Aliaga

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Joshua Phipps

- Georgia National Guard (92R Parachute Rigger)
- Cybersecurity student
- Xavier School for Gifted Youngsters



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Deontae Carter



- Navy Veteran
- Dual Certified
- Passion for Cybersecurity Operations



LinkedIn | Deontae Carter



Dericus Horner

- US Army Veteran
- Master's degree in Business Administration
- Current IT Property Specialist
- Detail Oriented/Critical Thinker



Connect With Me



Justin 'Sage' Tabios

Connect With Me



- US Army Veteran (68W, Healthcare Specialist)
- Licensed Massage Therapist

- Cybersecurity student

ANNYONGALOA

- Fish, Dive, and “Chillin” on the beach with the Fam.





Marco Aliaga



- **U.S Army veteran**
- **Experienced as Full-stack Software Engineer.**
- **Recently shifted focus and skills to Cyber Security.**
- **My goal is to educate and show you why our team is the fit for your company needs.**

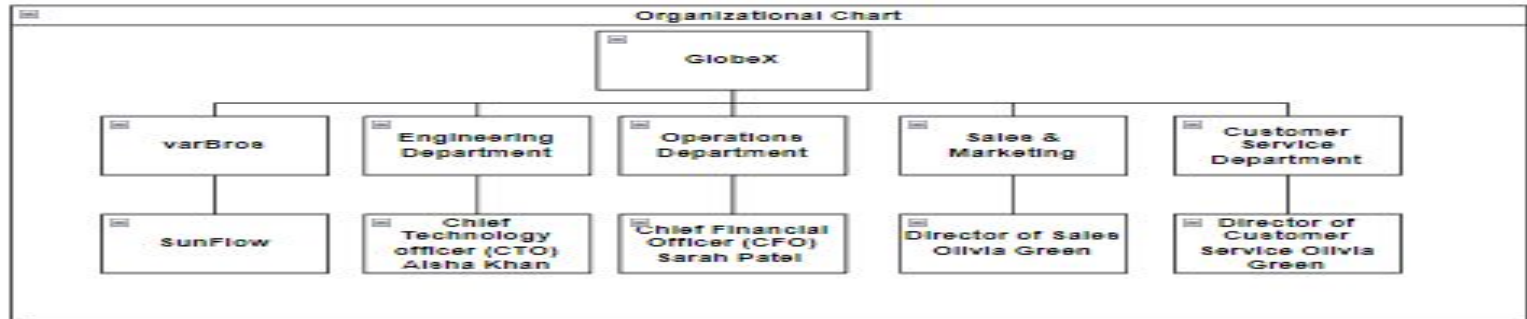


Client Company

- **Acquired:** SunFlow is a young and innovative IT startup.
- **Integrate:** vārBROS integrated SunFlow's IT infrastructure to Globex's infrastructure. However, SunFlow's infrastructure did not align with Globex's framework.
- **Elevate:** vārBROS elevated SunFlow's IT infrastructure to Globex's state of the art infrastructure.



Topologies and Flowcharts



Demo!

Active Directory



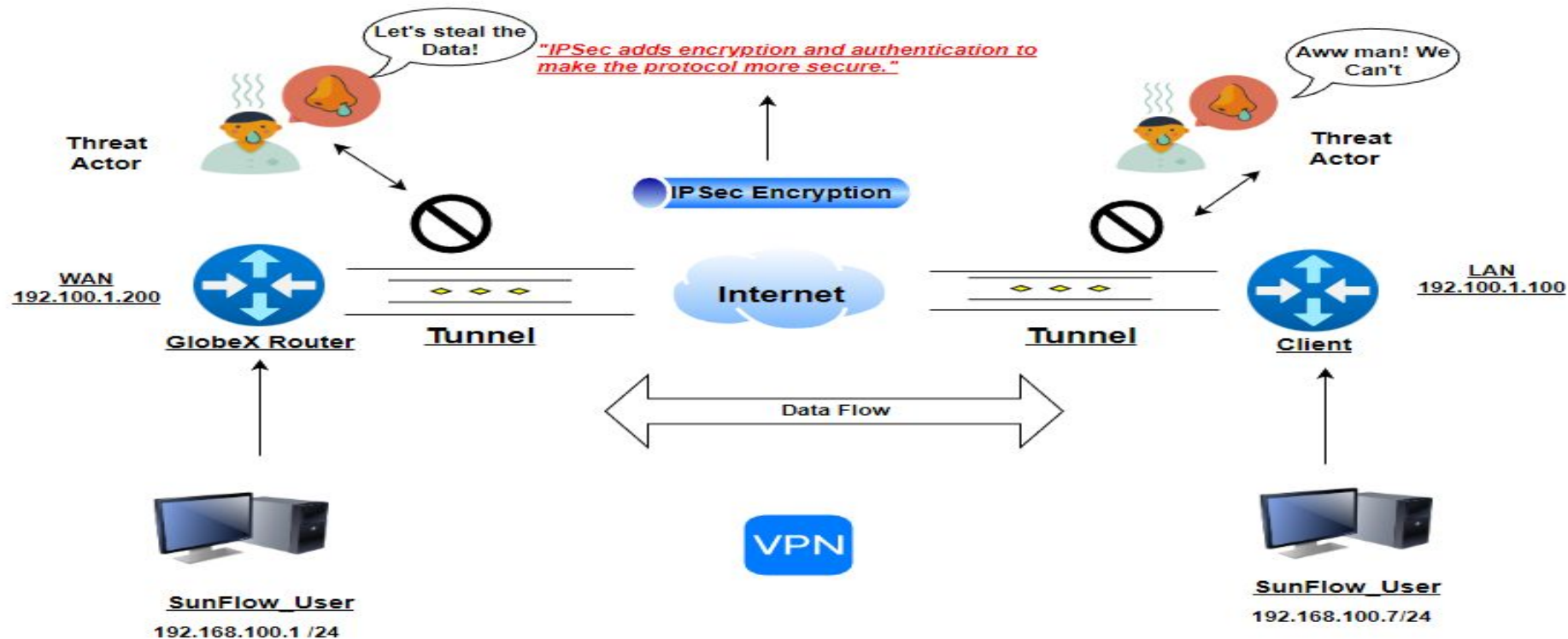
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Demo!

*Domain controllers & Organizational
Units*



VPN Tunnel-to-Tunnel



VPN tunneling is the process of transmitting data from a device or network to another device or network and back without compromising the data privacy.

Demo!

VPN Tunnel-to-Tunnel

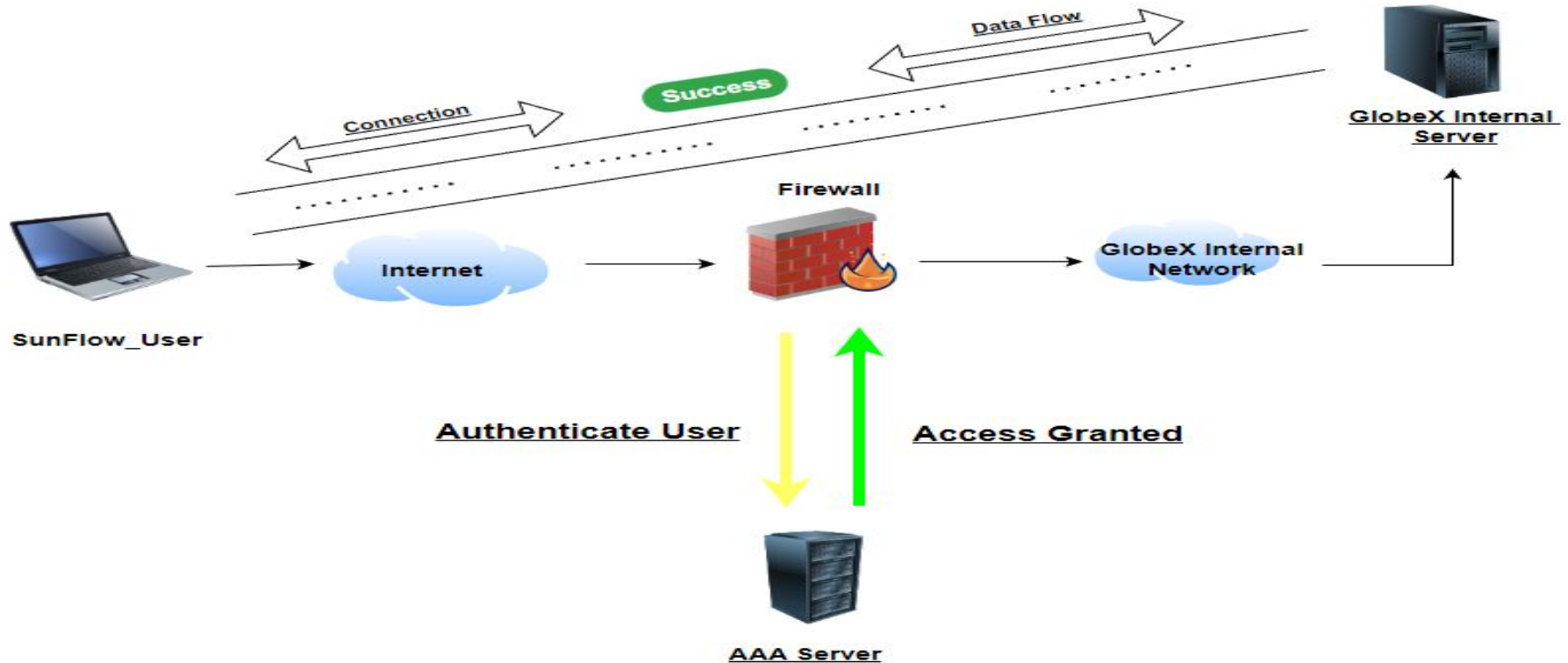


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Network Security

Authentication, Authorization and Accounting (AAA)

Authentication, authorization, and accounting (AAA) is a security framework that controls access to computer resources, enforces policies, and audits usage.



Demo!

Network Security: AAA



Solutions

- Develop a Powershell script to be executed on a new installation of Windows Server.
 - Installs AD-Domain-Services
 - Create an AD Forest, Organizational Units (OU), and users
- Data transmission between two networks
 - Build a site-to-site VPN tunnel
 - Demonstrate successful access to a file server, Active Directory, or other network resource on the other end of the tunnel
- Deploy a RADIUS system that raises a captive portal for new network users and authenticates them using AD credentials.
 - You will need to demonstrate implementation of some form of network access control that provides a healthy level of AAA security management.



Resources & Thanks



- Special Shoutout to the instructional staff:
Ethan, Hexx, Justin and Zak!

github.com/orgs/varBROS



Questions?



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