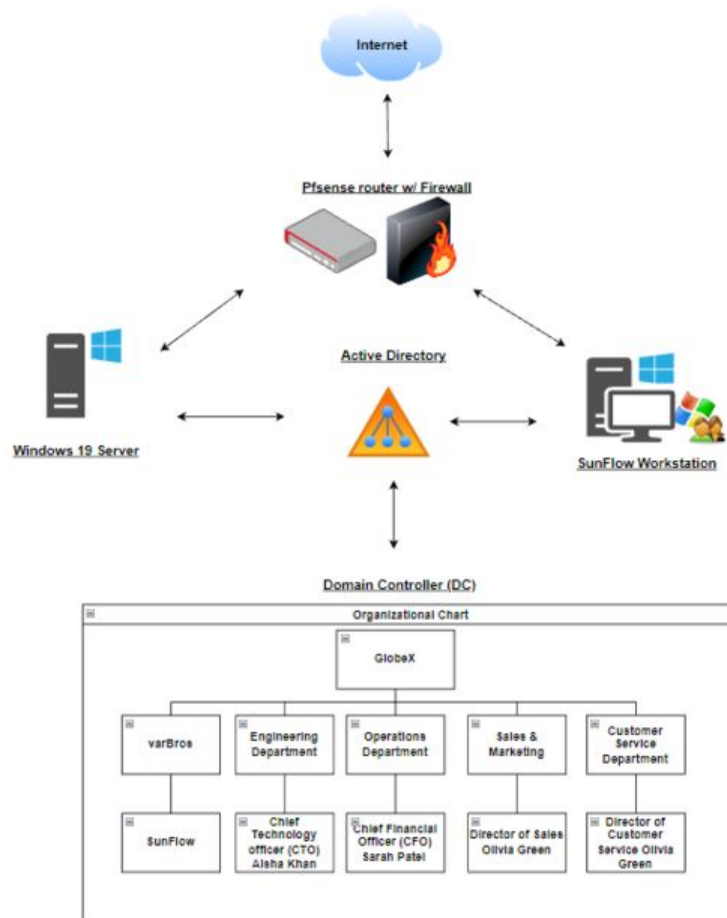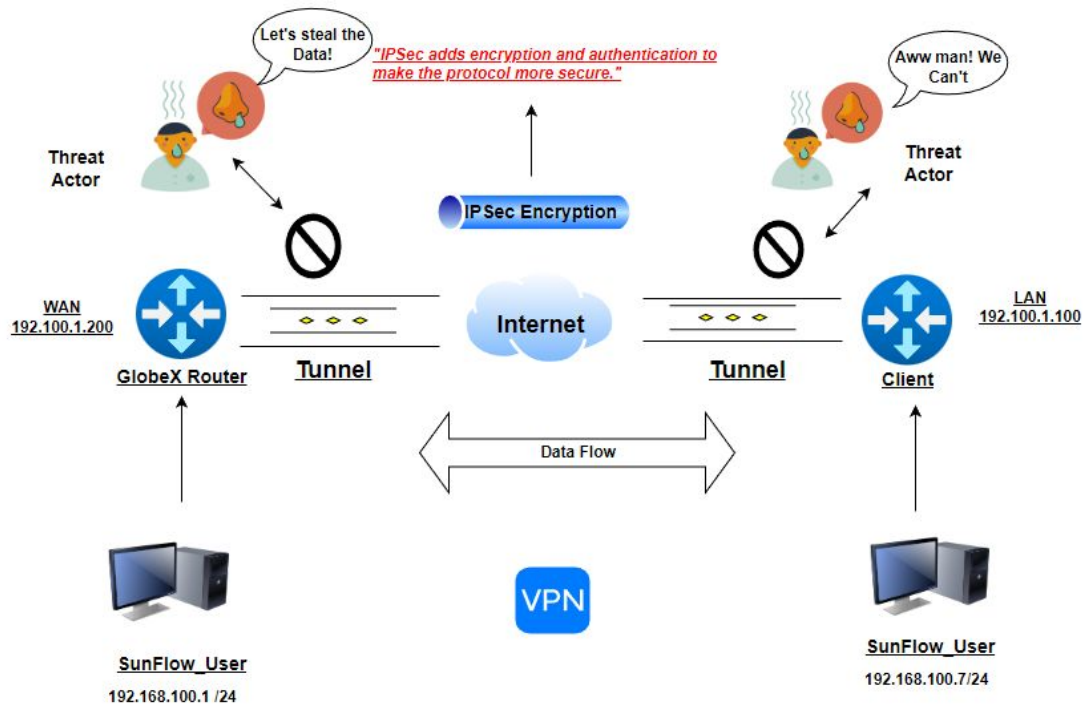# Topology description

Globex integrated the Sunflow's technology and operations into their own existing infrastructure. Globex created a Windows Active Directory, which is a system that manages user accounts and permissions across multiple computers and servers. In order to secure Globex's network,varbros also implemented Pfsense, which is a popular open-source firewall and router software. This helps to protect the network from external threats and ensure that only authorized users can access the network resources.The domain controller is a component of the Active Directory system that manages the user accounts, passwords, and other security policies across the network. The forest is a collection of domains that are managed by a single Active Directory instance on the Globex server. varBROS setup a VPN tunnel using ISPEC encryption and a triple AAA framework. A VPN, allows remote workers to securely connect to a company's network from outside the office. ISPEC encryption is a type of encryption that helps secure data as it travels over the internet,and triple AAA refers to the process of authentication, authorization, and accounting.

VPN Tunnel-to-Tunnel

Let's steal the Data!

"IPSec adds encryption and authentication to make the protocol more secure."

Aww man! We Can't

Threat Actor

IPSec Encryption

Threat Actor

WAN
192.100.1.200

Internet

LAN
192.100.1.100

GlobeX Router

Tunnel

Tunnel

Client

Data Flow

VPN

SunFlow_User

192.168.100.1 /24

SunFlow_User

192.168.100.7/24

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.

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.