

Operation Two Towers



Final Project: OPS 301 D12

Our Team



1. Omar Ardid
2. Steve Cherewaty
3. Brad Baack
4. Julian Manrique

Omar Ardid

- **Cybersecurity Professional**
- **Enjoy building gaming computers**
- **Passionate on helping others**



[LinkedIn](#)

Brad Baack

- **United States Marine**
- **Cyber Security Engineer**
- **Traveler**



[LinkedIn](#)

Julian Peña

- **Cybersecurity Professional**
- **U.S. Army veteran**
- **Logistics expert**



[LinkedIn](#)

Steve Cherewaty

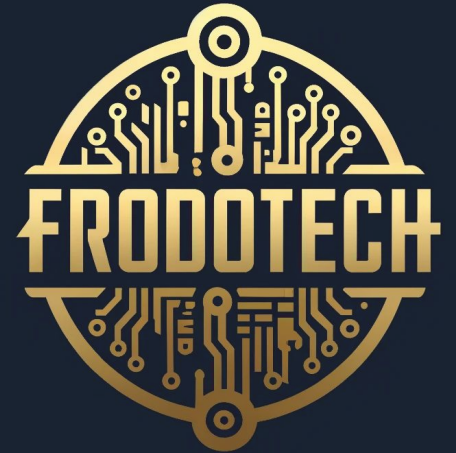
- **Cybersecurity professional**
- **Background in aerospace & startups**
- **Passion for defense**



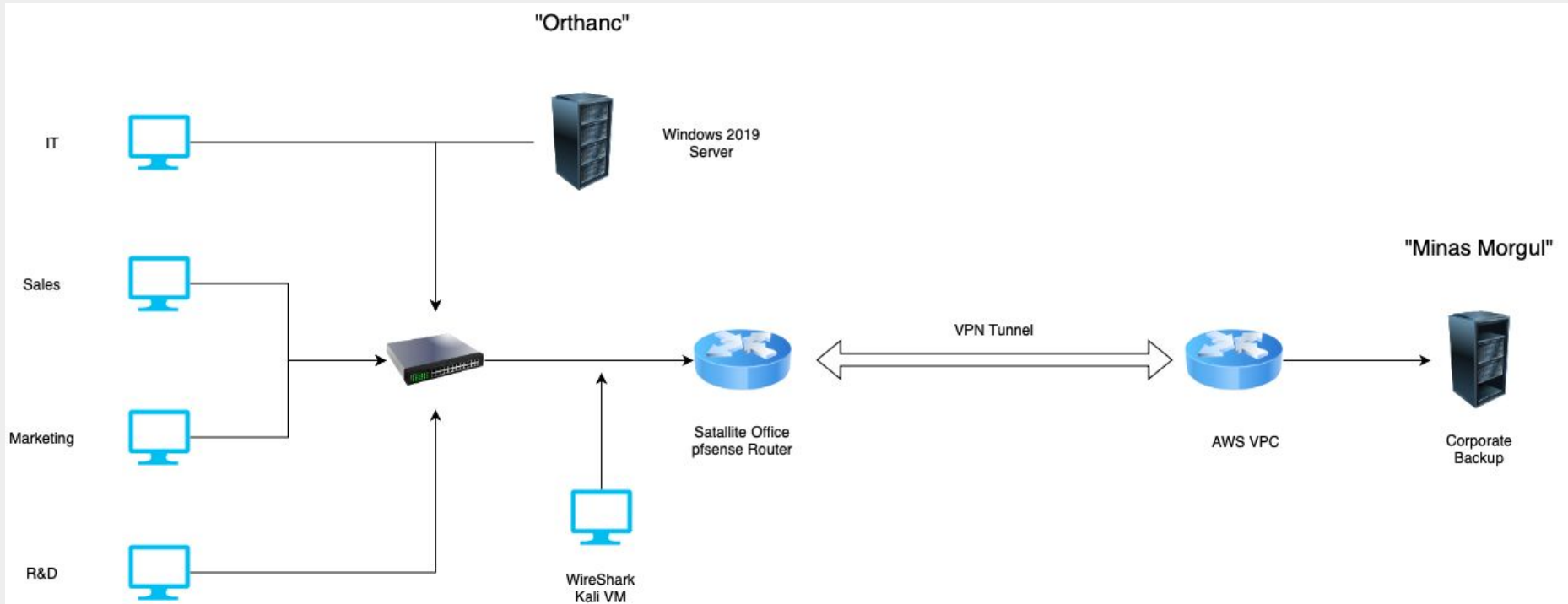
[LinkedIn](#)

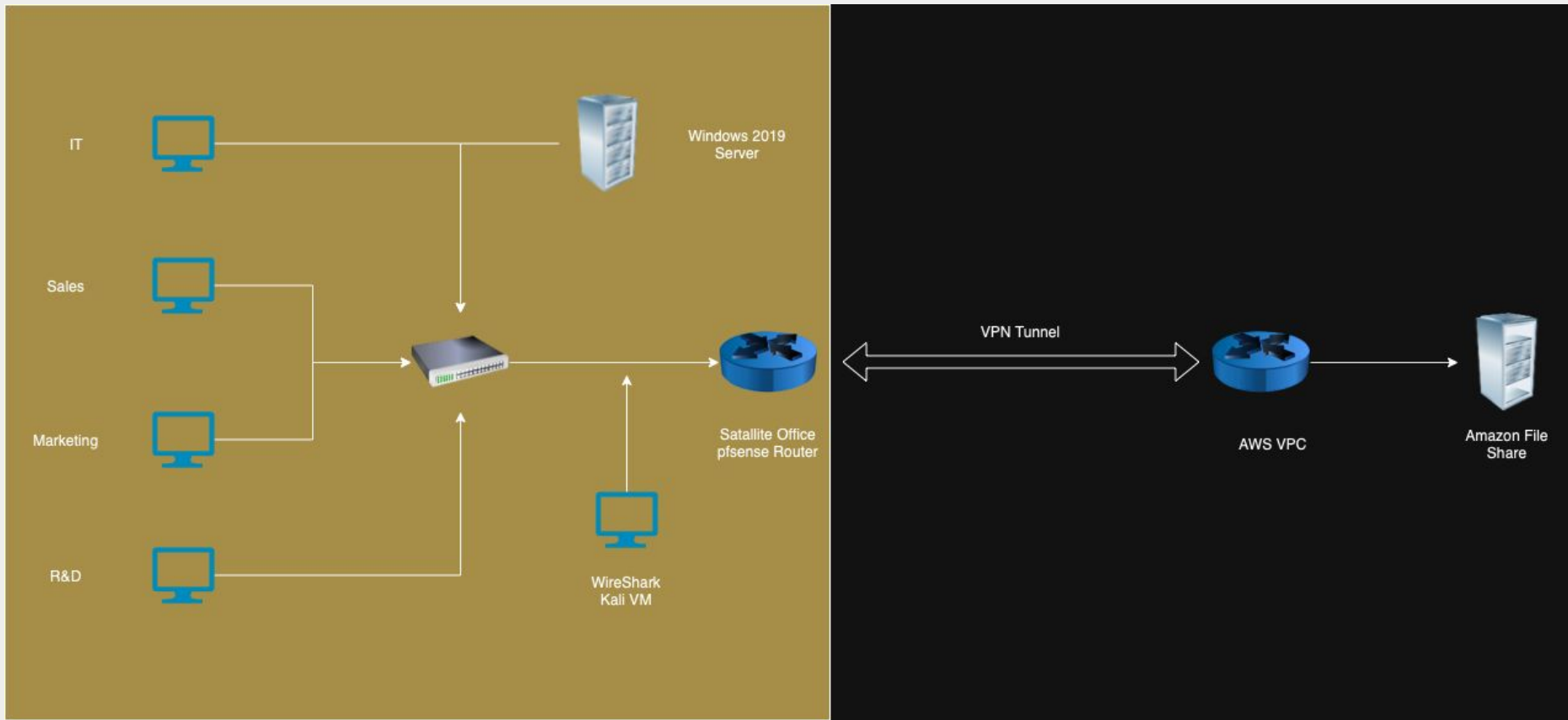
Client Needs

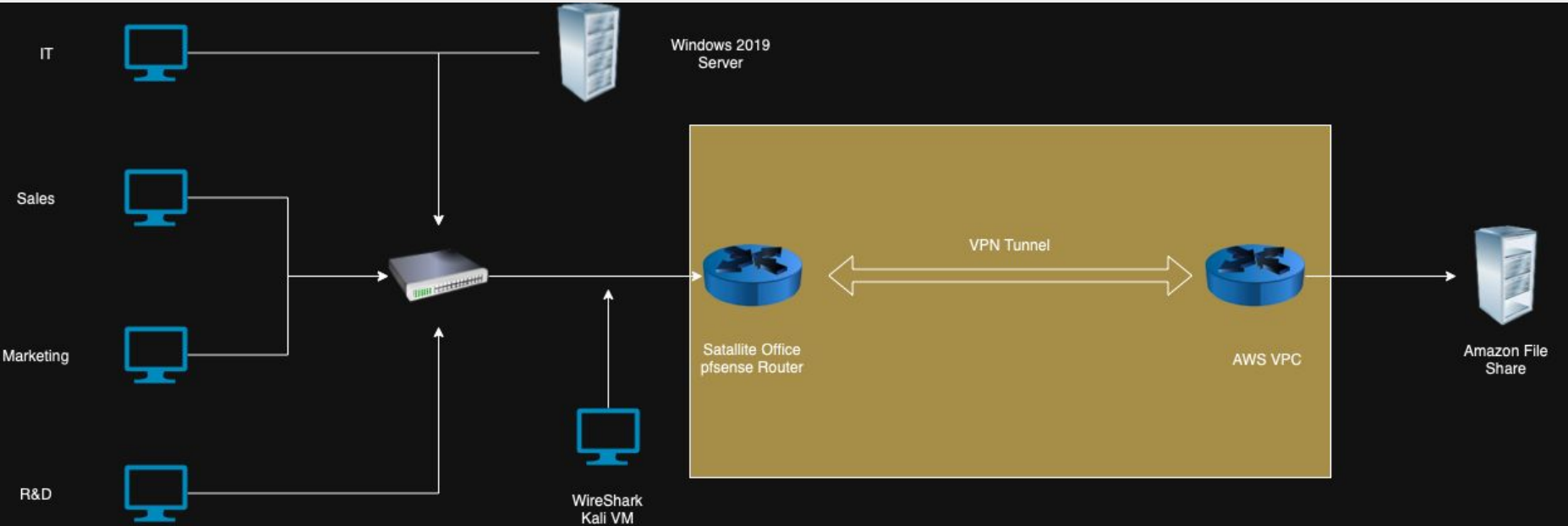
- VPN from Office to Central Server
- Safeguard Data
- Collaborative file sharing

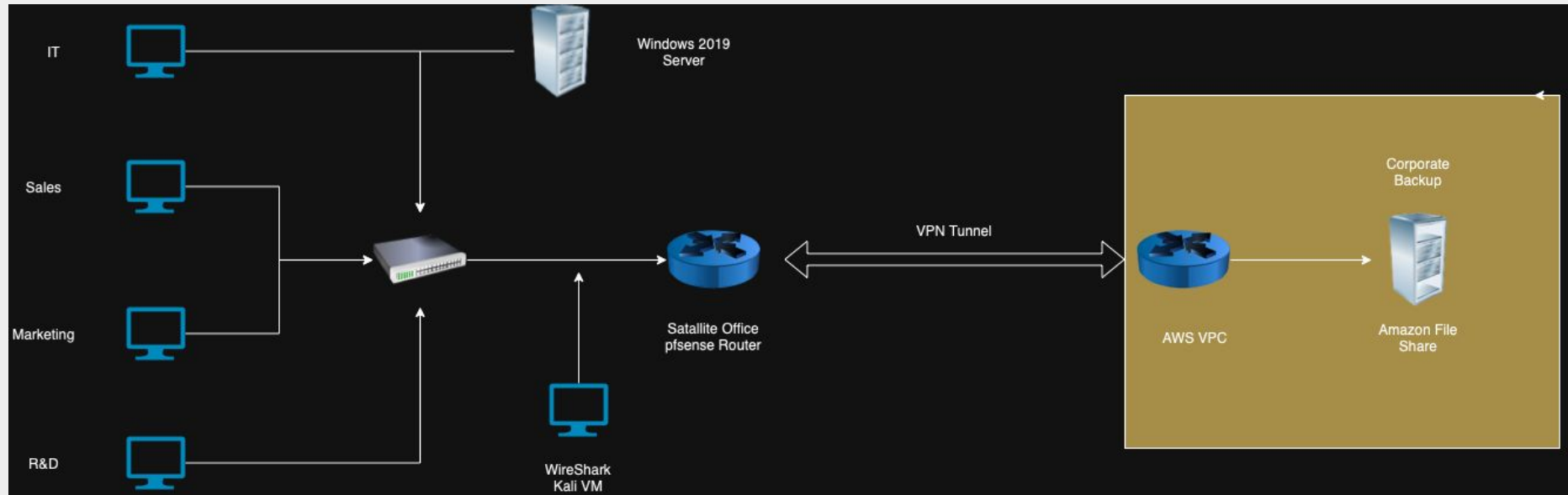


Topologies









Why a VPN Tunnel?





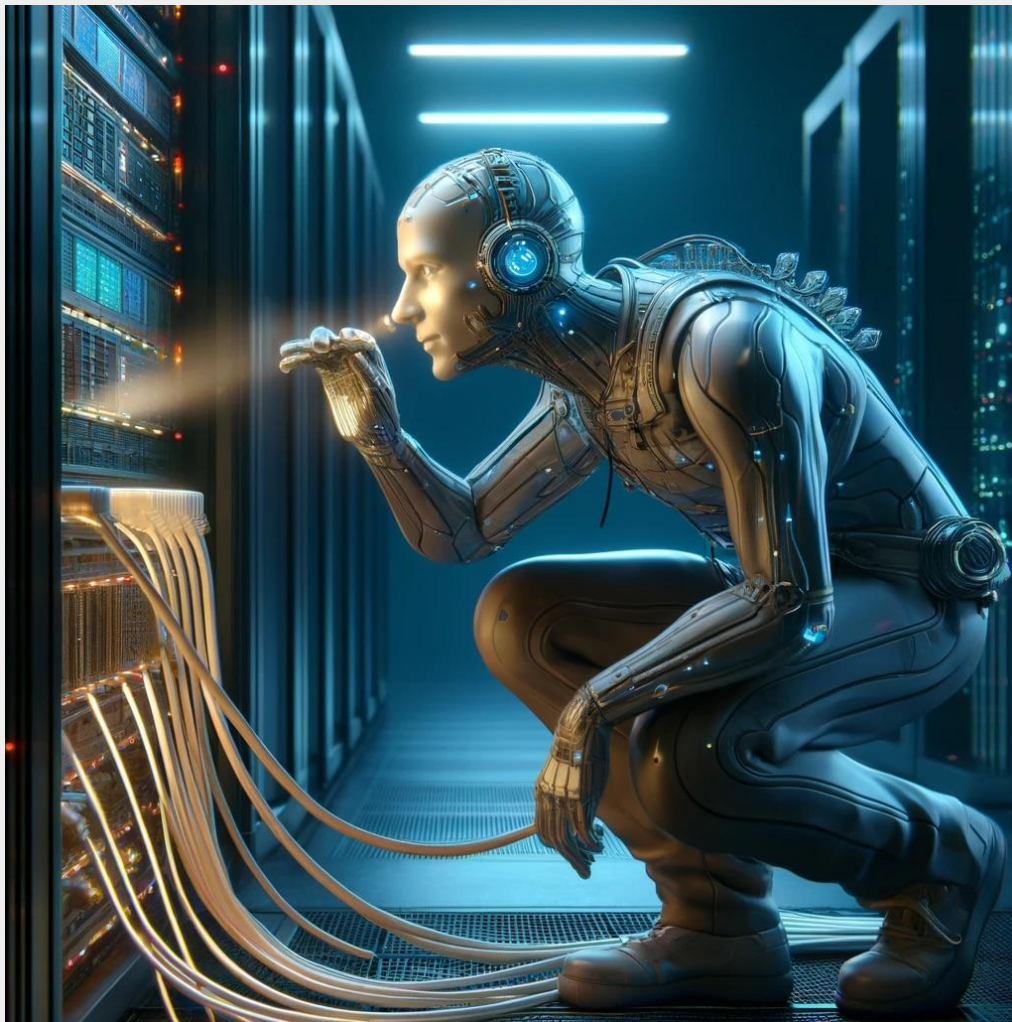
VPN Tunnel

- Enhanced Security
- Data Privacy
- Integrity of Data
- Network Consistency



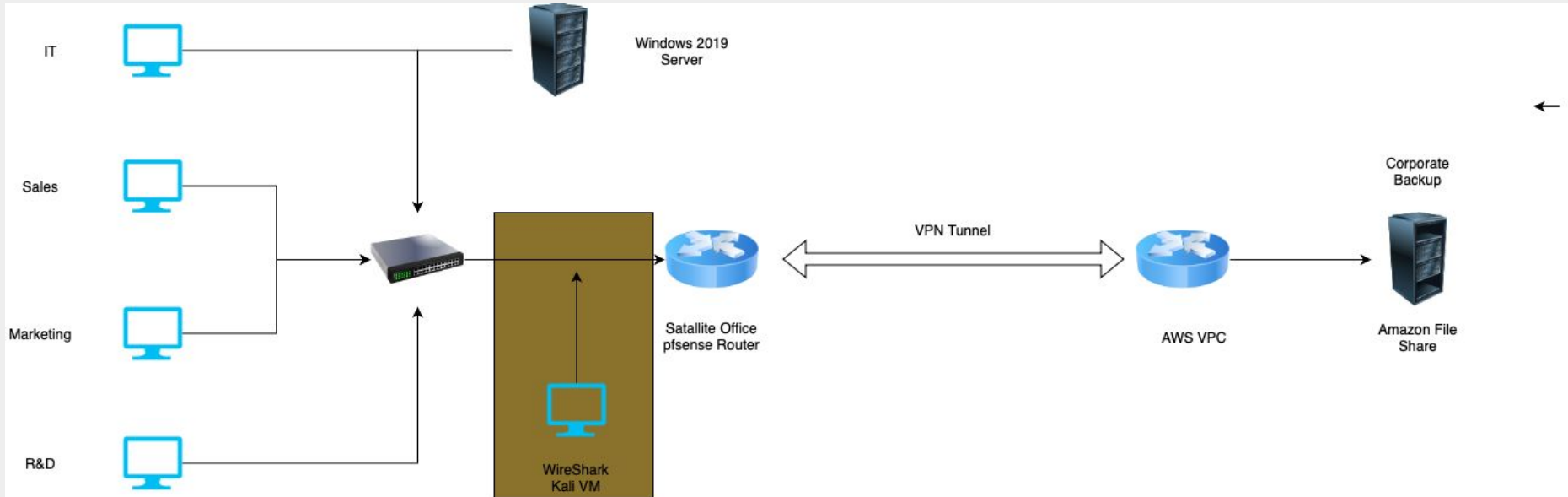
Security Measures

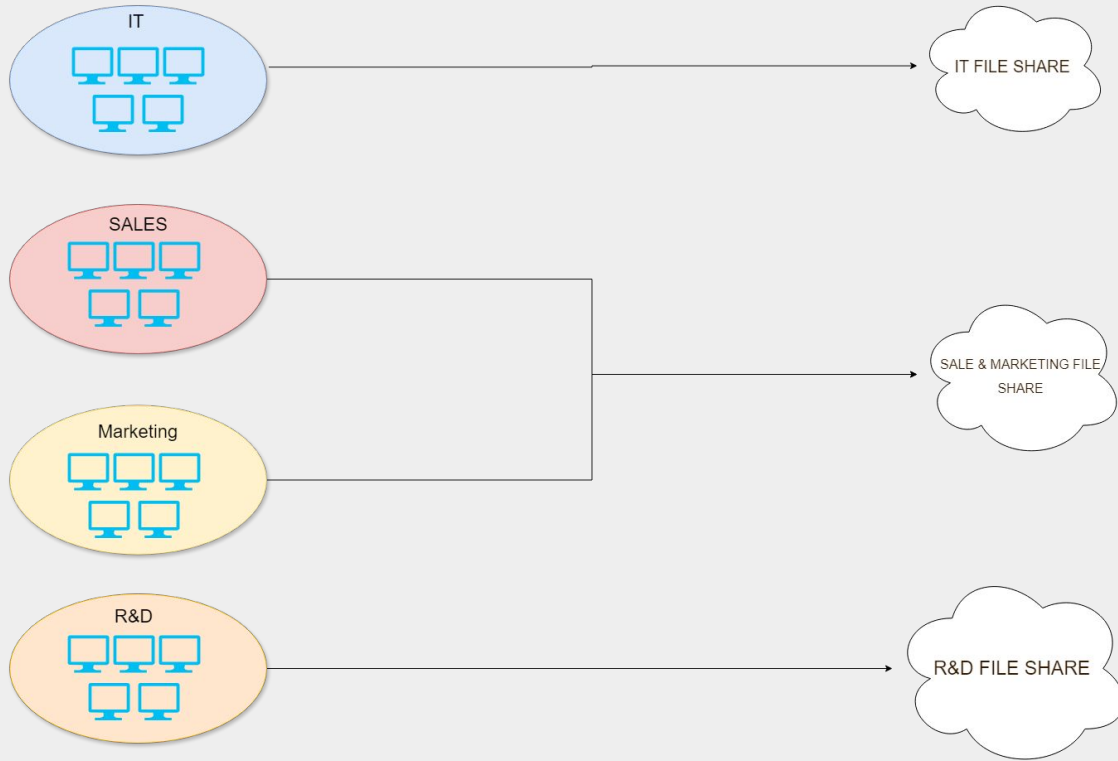
- Firewall
- Windows Defender
- Backup Policies
- **WireShark**



WireShark

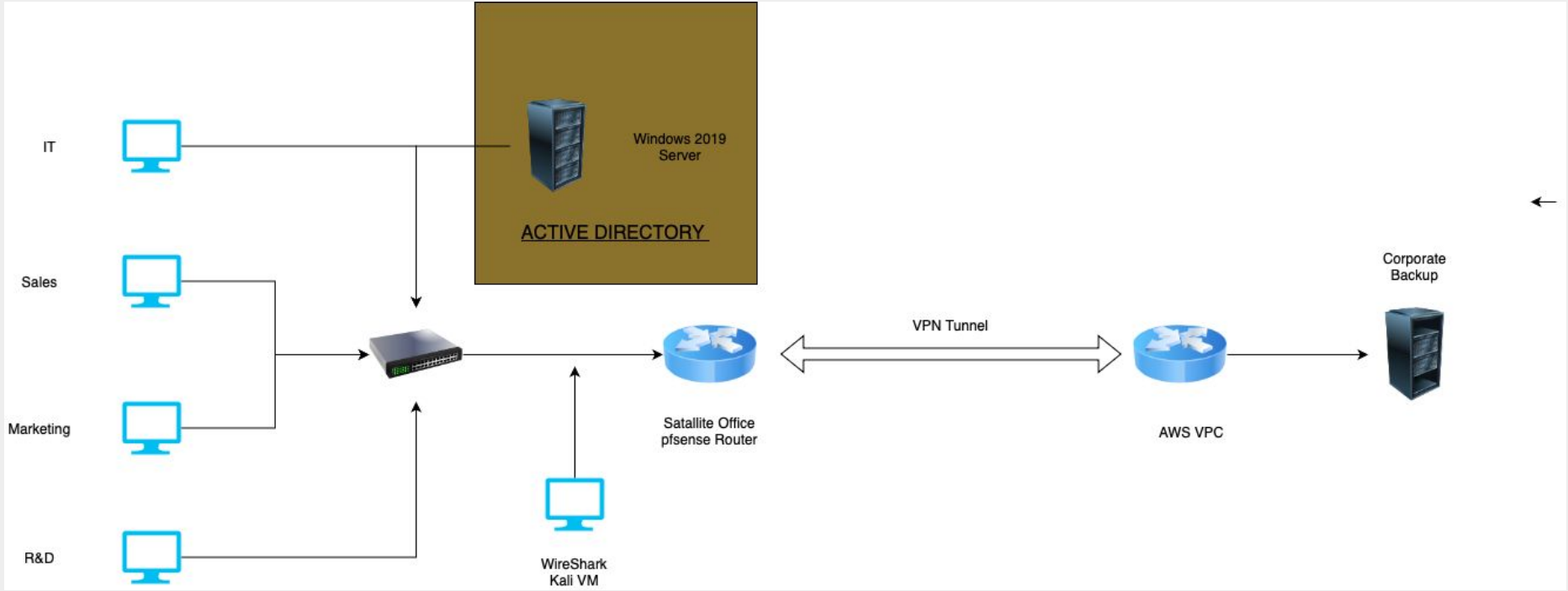
- Extra measure of security
- Traffic Monitoring
- Troubleshooting & Performance





File Share

- Drastically improved collaboration
- Management oversight
- Departmental access control





Active Directory

- Single sign-on users
- Automated tasks
- Simplified administration
- Like a phone book



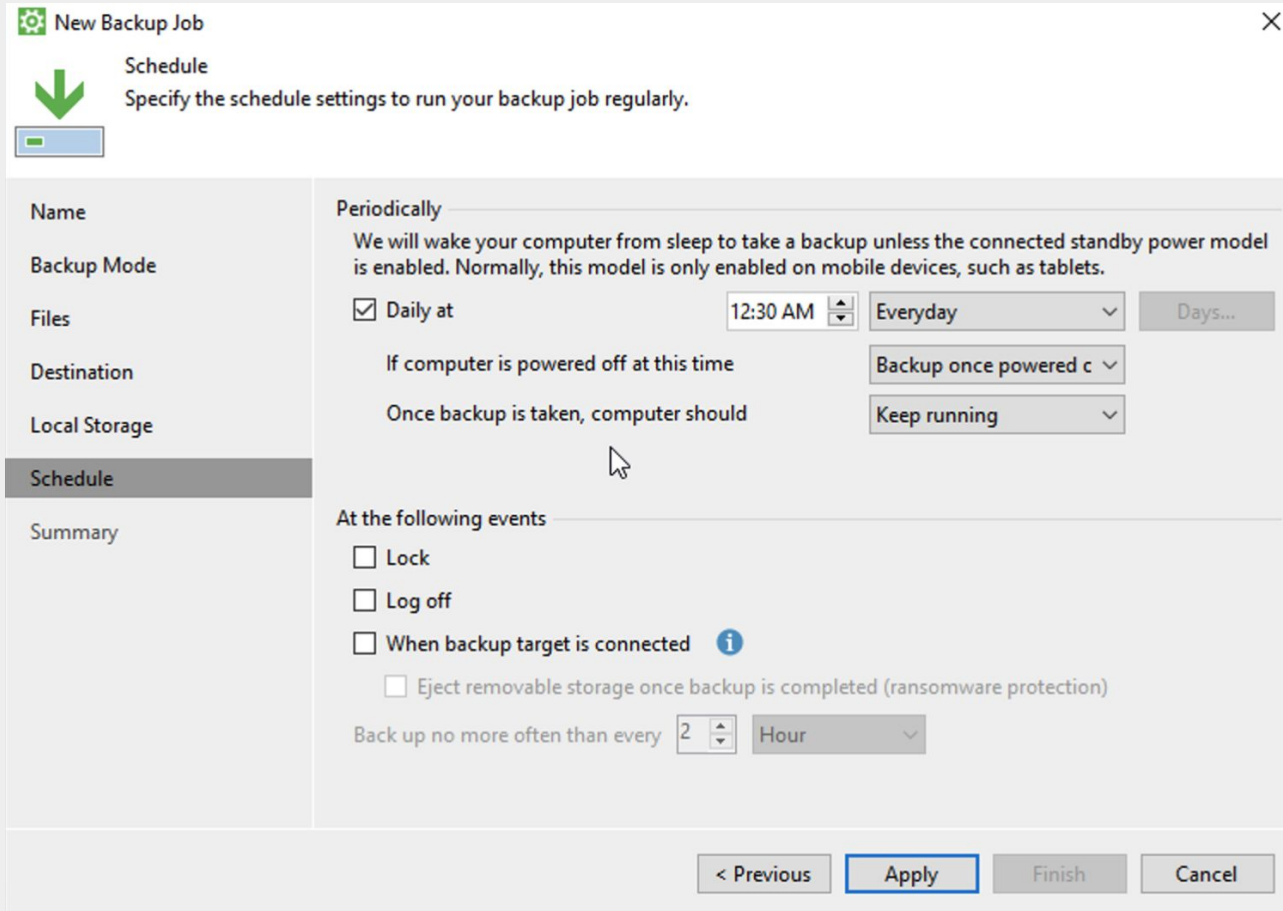
Why Choose Veeam?

Veeam Backup & Replication




- Local and Remote Backup
- Instant Recovery
- Cost Effective

Veeam Backup & Replication



The screenshot shows the 'New Backup Job' wizard in Veeam Backup & Replication, specifically the 'Schedule' tab. The left sidebar contains tabs for 'Name', 'Backup Mode', 'Files', 'Destination', 'Local Storage', 'Schedule' (which is selected and highlighted), and 'Summary'. The main area is titled 'Periodically' and includes a green arrow icon and the text 'Specify the schedule settings to run your backup job regularly.' Below this, there are several configuration options: 'Daily at' is checked with a time of '12:30 AM' and a frequency of 'Everyday'; 'If computer is powered off at this time' is set to 'Backup once powered c'; and 'Once backup is taken, computer should' is set to 'Keep running'. There is also a section for 'At the following events' with checkboxes for 'Lock', 'Log off', and 'When backup target is connected', along with an information icon. At the bottom, there is a frequency setting of '2' hours. The bottom of the window has buttons for '< Previous', 'Apply' (which is highlighted with a blue border), 'Finish', and 'Cancel'.

New Backup Job ×

 **Schedule**
Specify the schedule settings to run your backup job regularly.

Name

Backup Mode

Files

Destination

Local Storage

Schedule

Summary

Periodically

We will wake your computer from sleep to take a backup unless the connected standby power model is enabled. Normally, this model is only enabled on mobile devices, such as tablets.

☒ Daily at


If computer is powered off at this time

Once backup is taken, computer should

At the following events

☐ Lock

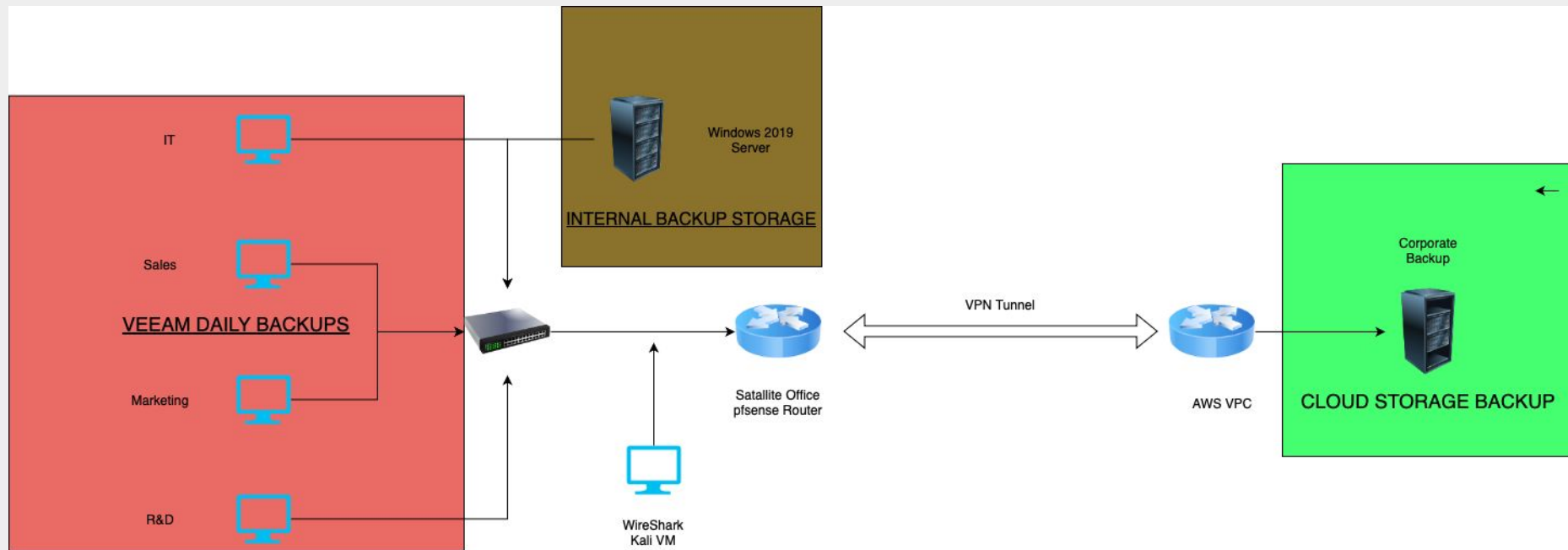
☐ Log off

☐ When backup target is connected 

☐ Eject removable storage once backup is completed (ransomware protection)

Back up no more often than every

- Scheduled and Monitored
- Simplified Management



Thank you. We aim to please!



GitHub



GitHub



GitHub



GitHub



Questions?
