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

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Julian Peña

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

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Steve Cherewaty

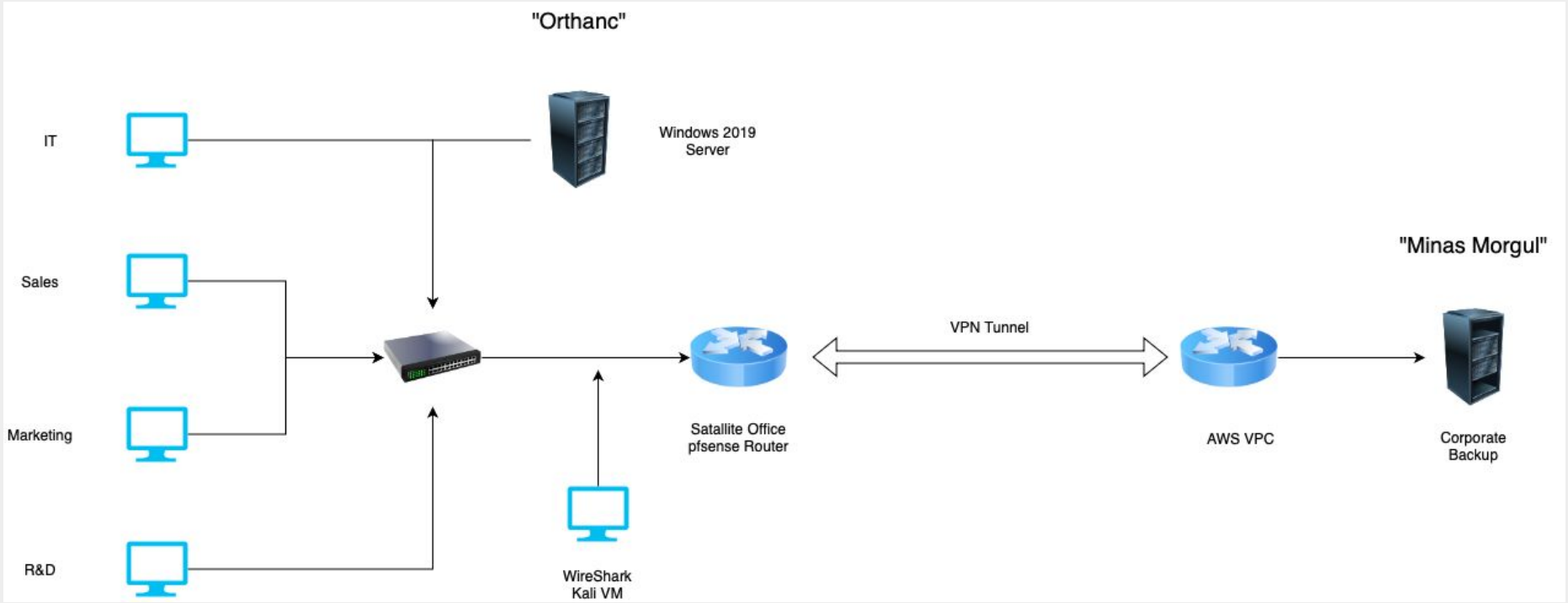
- Cybersecurity professional
- Background in aerospace & startups
- Passion for defense

LinkedIn

Client Needs

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

Topologies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Marketing
R&D
Windows 2019
Server
WireShark
Kali VM
Satallite Office
pfsense Router
VPN Tunnel
AWS VPC
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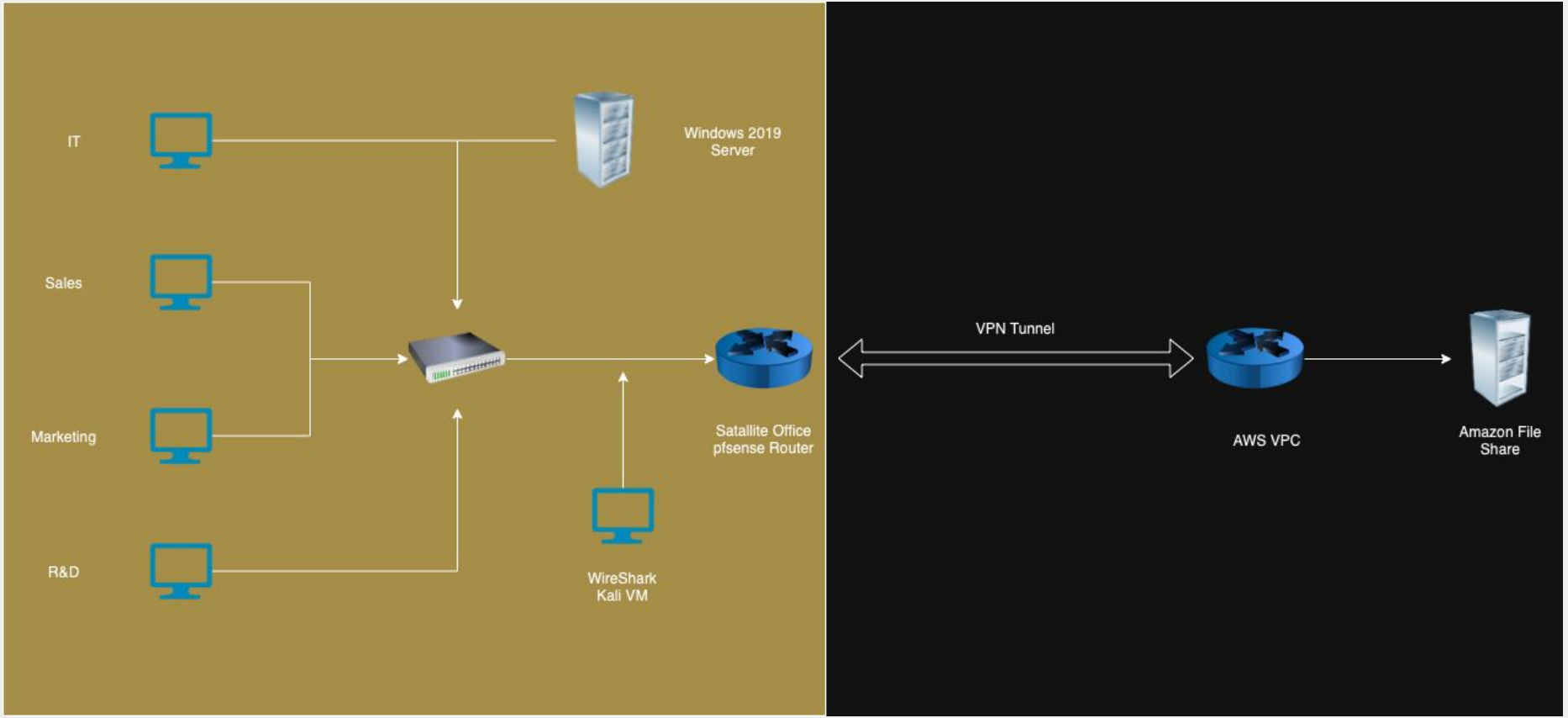
Corporate
Backup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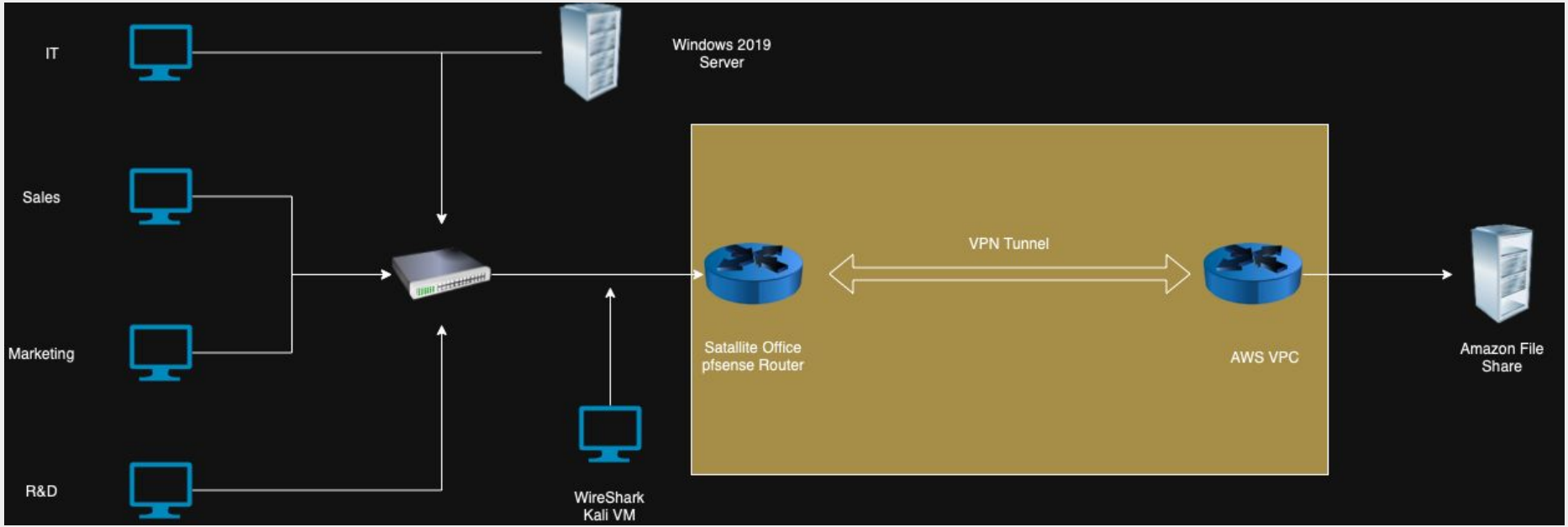
VPN Tunnel
AWS VPC
Amazon File
Share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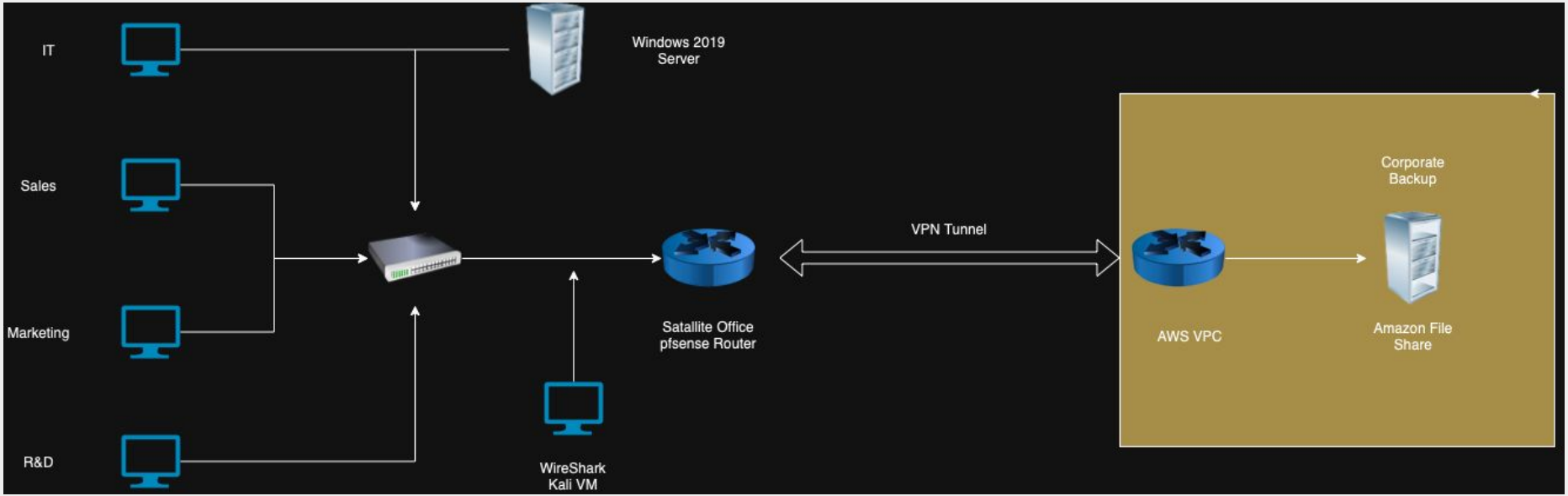
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Amazon File
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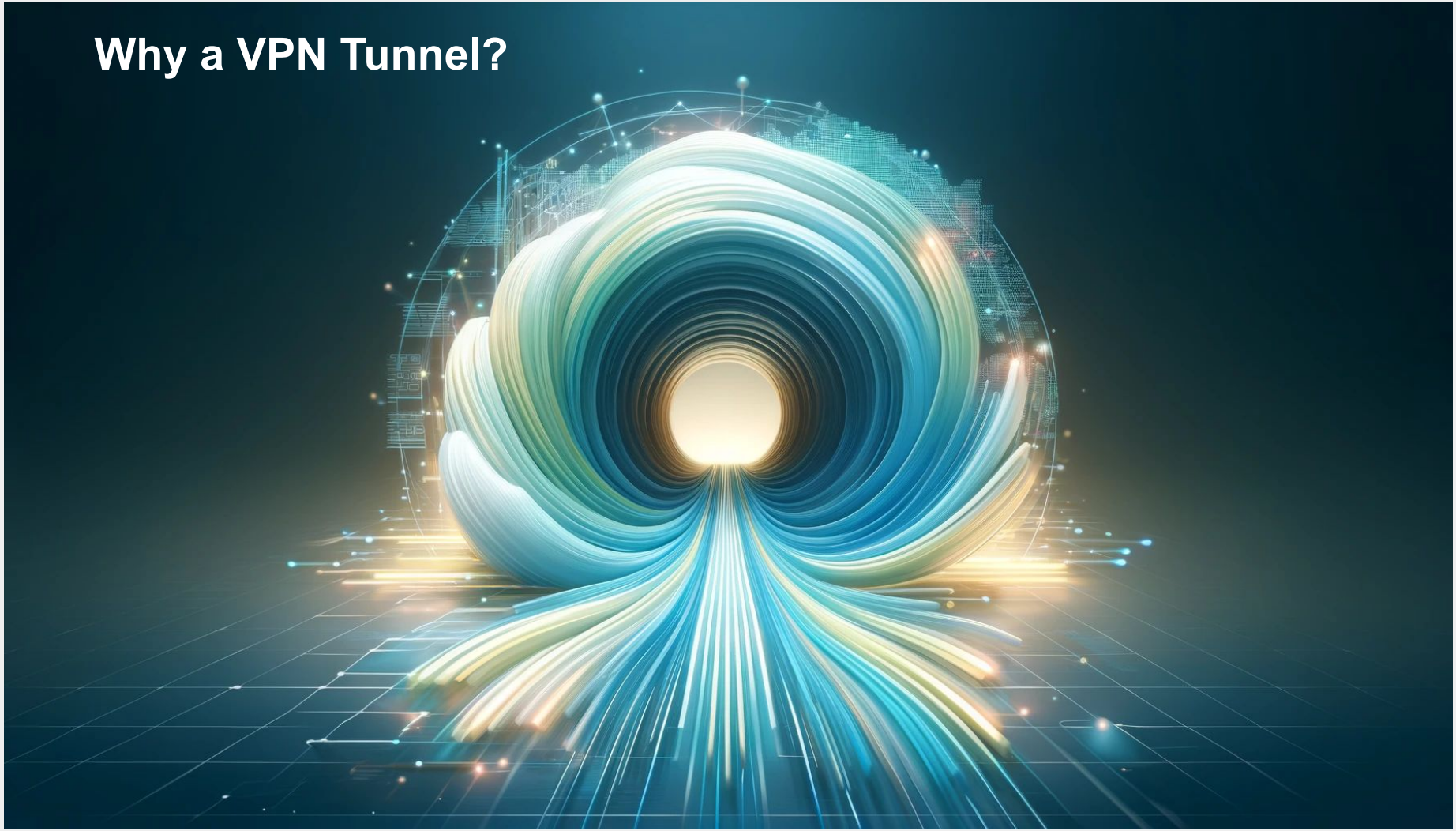
Why a VPN Tunnel?



VPN Tunnel

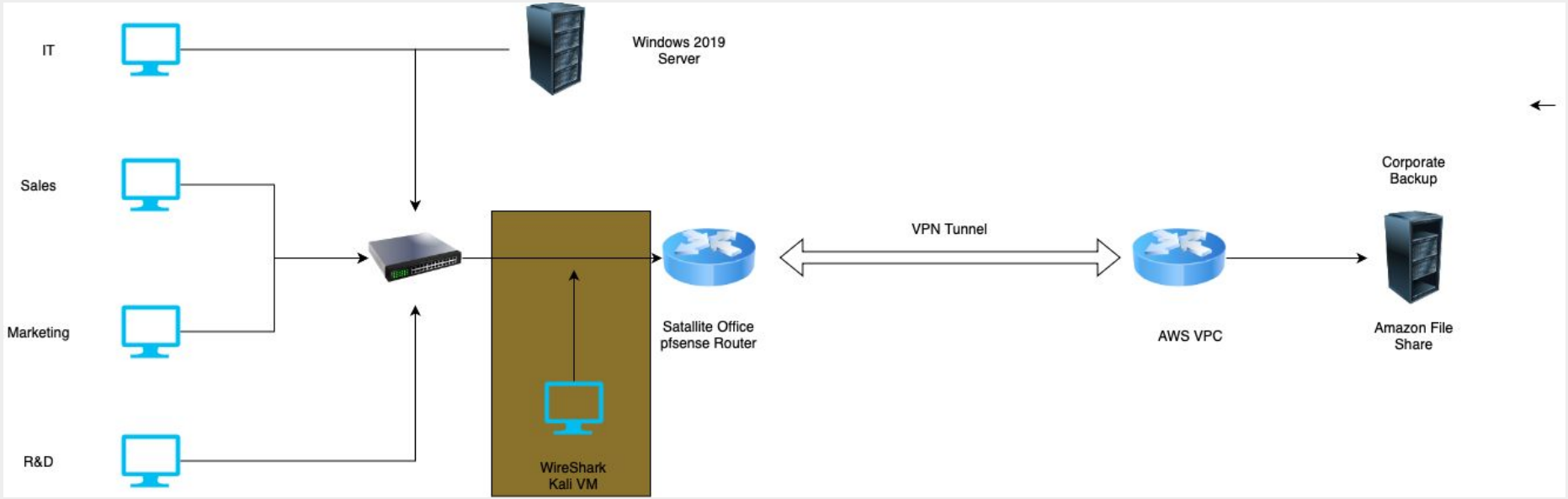
- Enhanced Security
- Data Privacy
- Integrity of Data
- Network Consistency

Security Measures

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

WireShark

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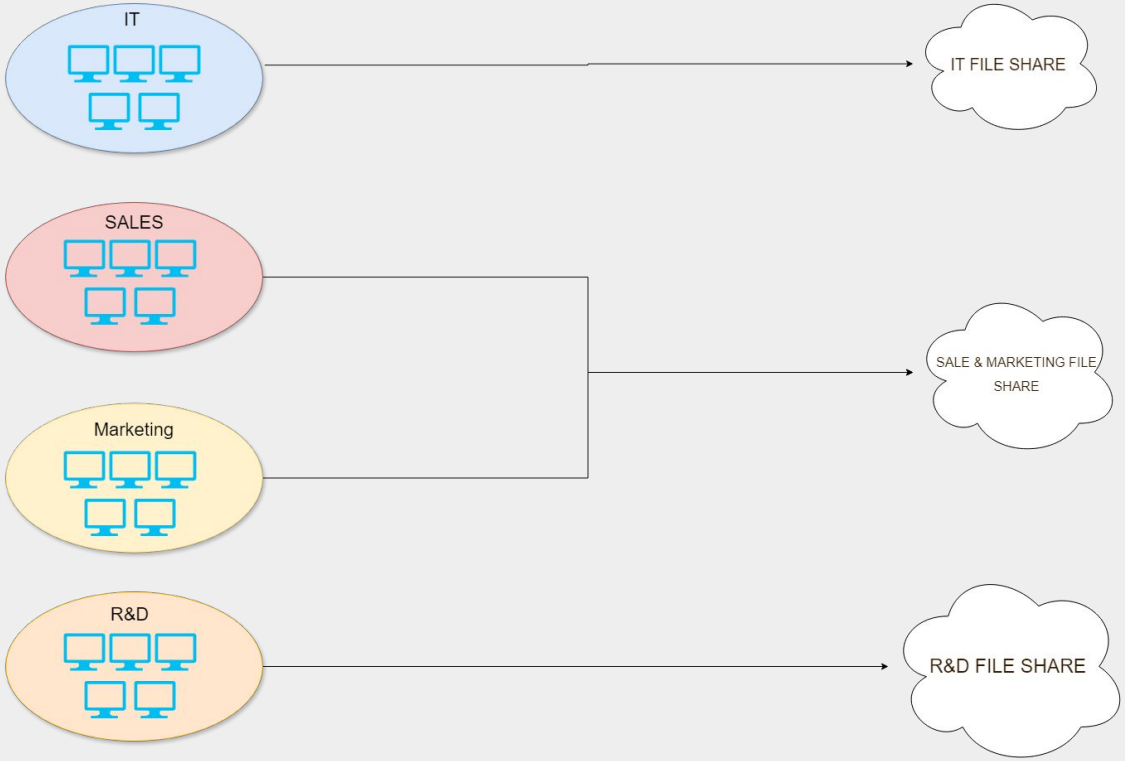
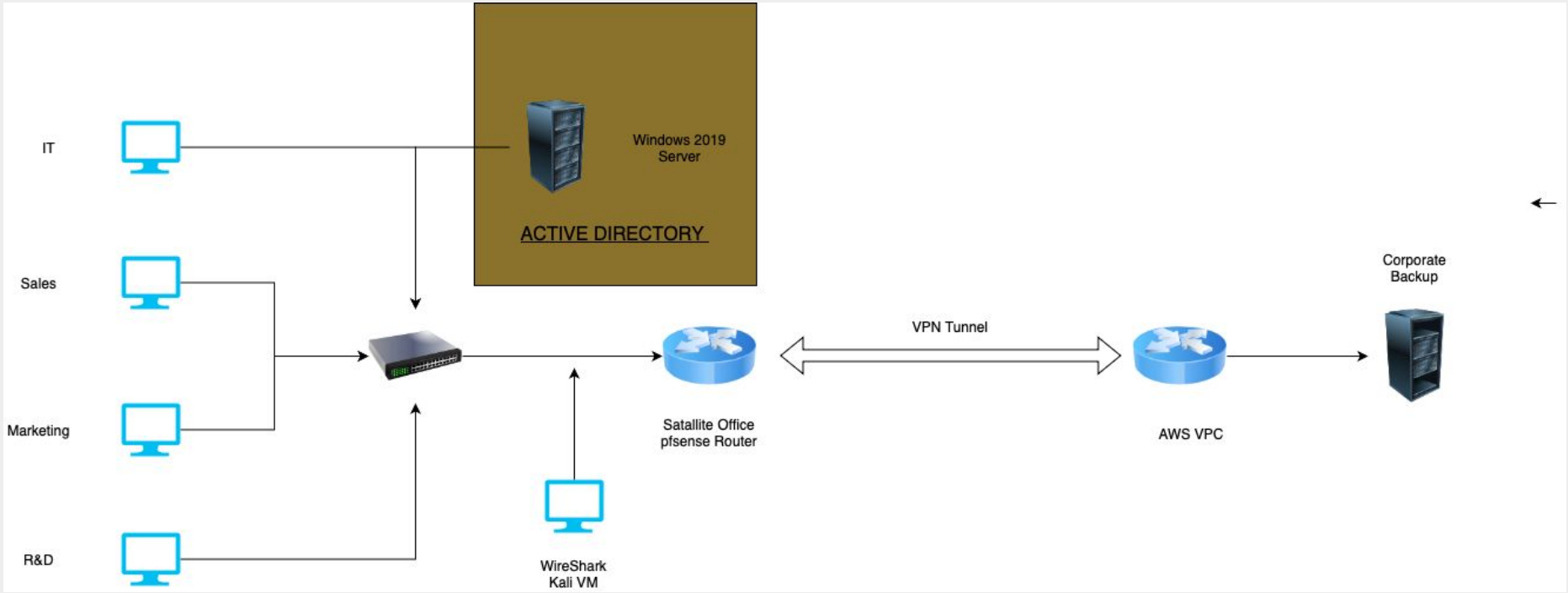


File Share

- Drastically improved collaboration
- Management oversight
- Departmental access control


IT
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Marketing
R&D
Windows 2019
Server
ACTIVE DIRECTORY
WireShark
Kali VM
Satallite Office
pfsense Router
VPN Tunnel
AWS VPC
Corporate
Backup

Active Directory

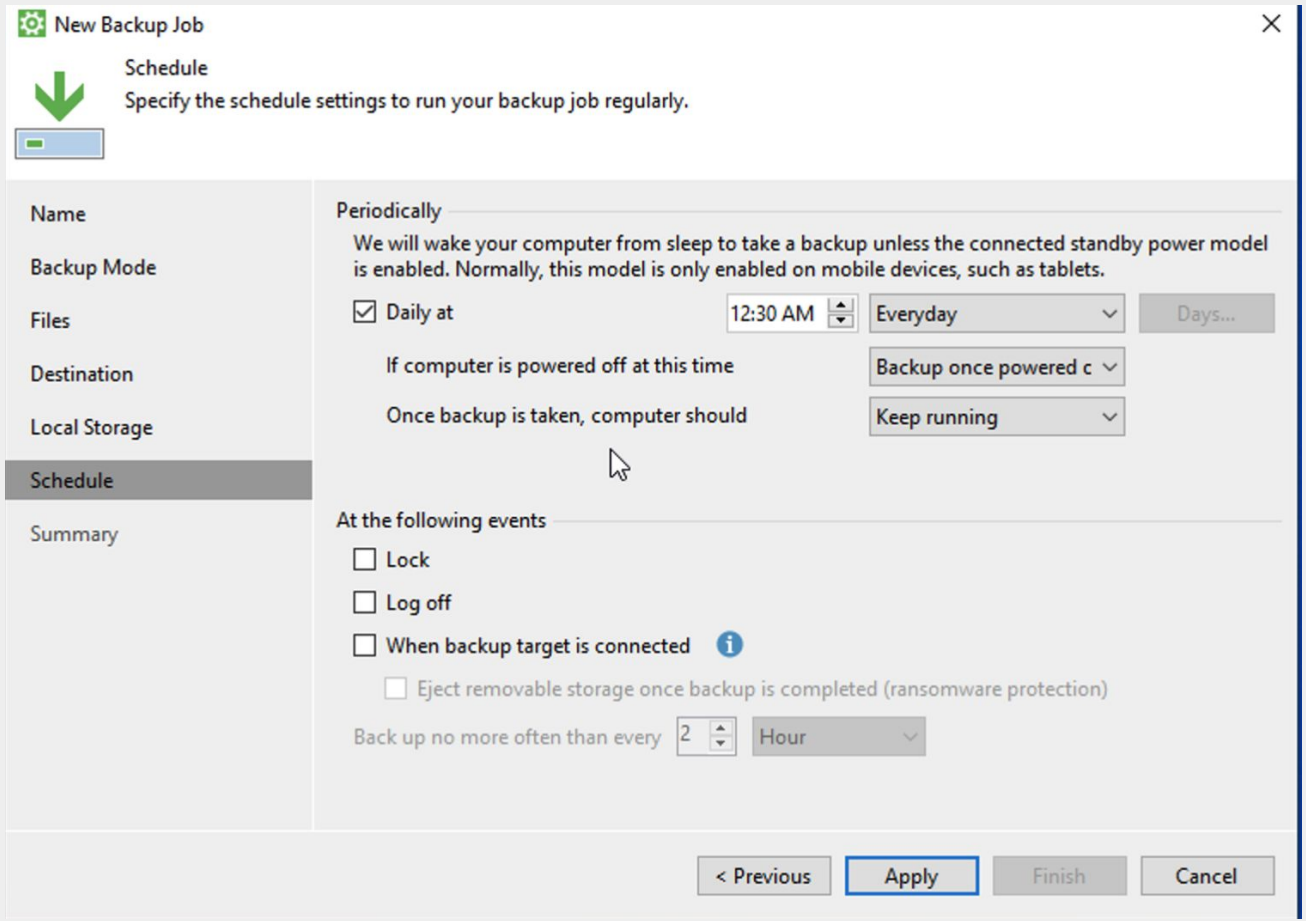
- Single sign-on users
- Automated tasks
- Simplified administration
- Like a phone book

Why Choose Veeam?

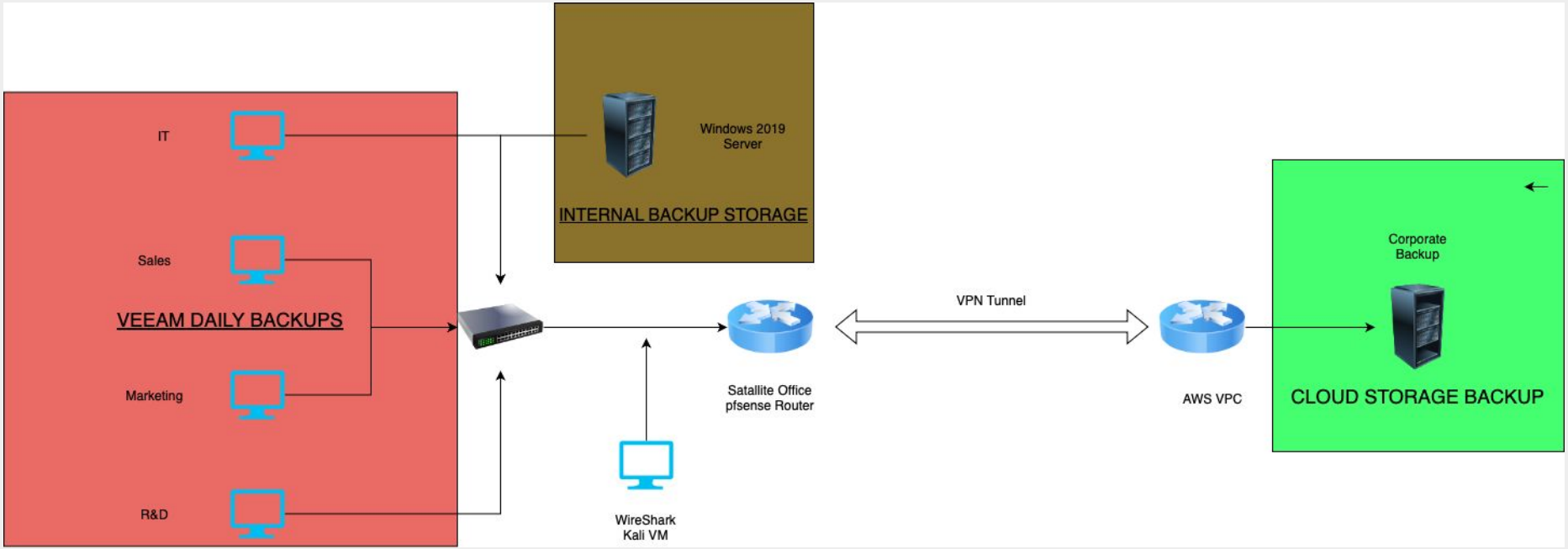
Veeam Backup & Replication

- Local and Remote Backup
- Instant Recovery
- Cost Effective

Veeam Backup & Replication



- Scheduled and Monitored
- Simplified Management


IT
Sales
VEEAM DAILY BACKUPS
Marketing
R&D
Windows 2019
Server
INTERNAL BACKUP STORAGE
WireShark
Kali VM
Satallite Office
pfsense Router
VPN Tunnel
AWS VPC
Corporate
Backup
CLOUD STORAGE BACKUP

Thank you. We aim to please!

GitHub

GitHub

GitHub

GitHub

Questions?