

OpenVPN

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Terms

- Road Warrior
 - A road warrior is simply a machine that's out on the internet somewhere, which may or may not have a static ip address, and wishes to communicate back to the office.
- Certificate Authority
 - An entity that issues digital certificates.
- IP Tunnel
 - An Internet Protocol (IP) network communications channel between two networks.
- RSA
 - An algorithm for public-key cryptography.

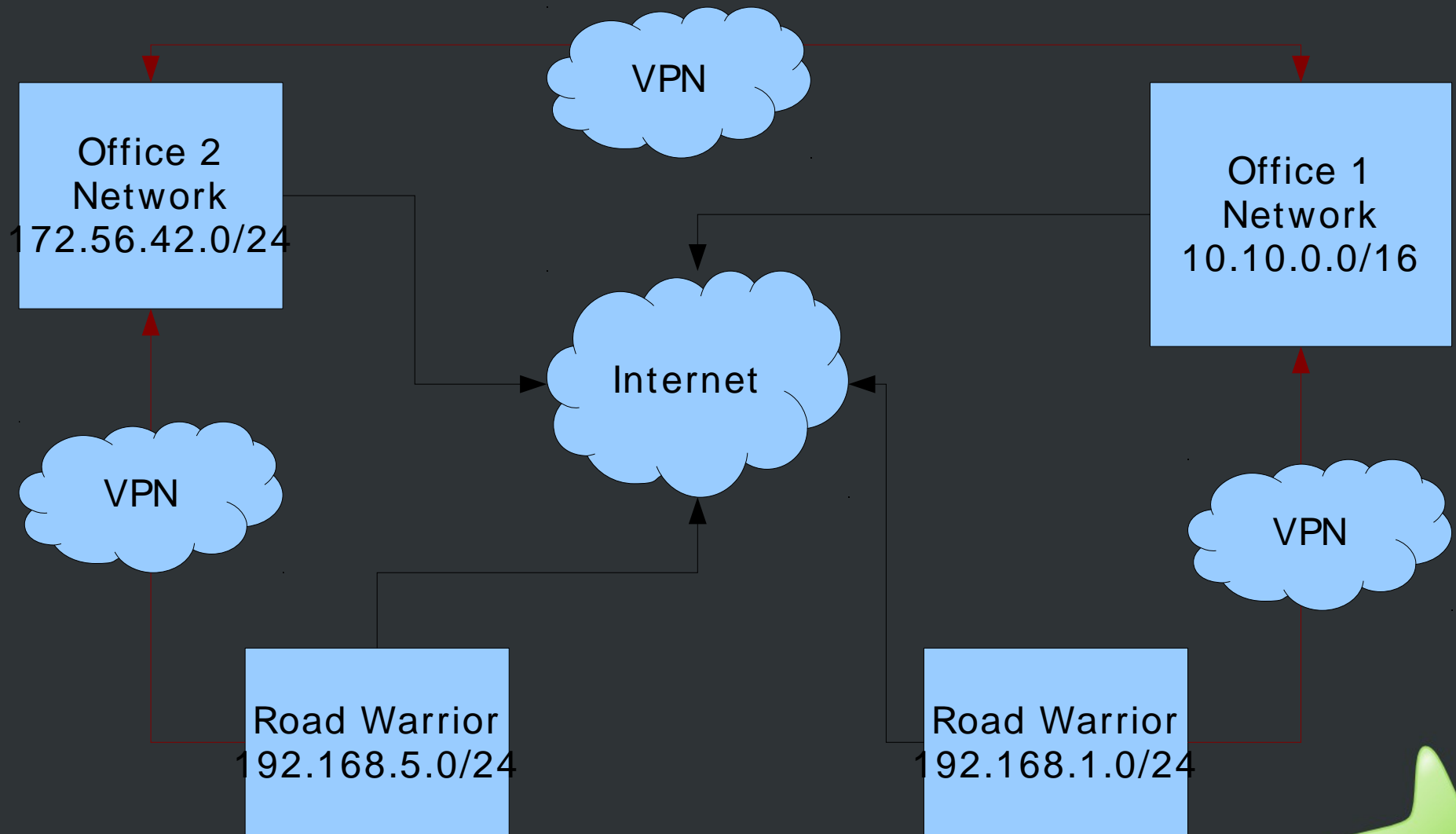


What is a VPN?

A virtual private network (VPN) is a network that uses a public telecommunication infrastructure, such as the Internet, to provide remote offices or individual users with secure access to their organization's network.



Uses of a VPN



Why use a VPN?

- Access to private network resources for Road Warriors
 - Network Shares
 - Printers
- Secure
- Secure Internet Access
- Securely connect two locations via Wide Area Network, eg. Internet



VPN Options

- IPSec
- PPTP
- SSH
- Cisco VPN
- VPN Hardware
- SSL VPNs (OpenVPN)



VPN Alternatives

- SSH "Jump" Box
- SSH SOCKS Proxy
- Port Forwarding via Firewall



Why openVPN?

- Cross Platform Support
 - Linux, Windows, *BSD, OS X, Solaris, Android
- Very stable
- Scalability
- Ease of installation
- Support for dynamic networks & NAT



OpenVPN GUIs

- Linux
 - Network Manager
- Windows
 - OpenVPN Gui
- OS X
 - Tunnelblick
- Others



Road Warrior Setup



Secure Internet from Unknown Remote Location

