
Practical Exercises #3

OpenVPN installation in Linux

1. Install OpenVPN in Linux (available at <https://openvpn.net>)
2. Configure OpenVPN as a Linux service and to start at system boot

OpenVPN authentication (passwords)

3. Configure the OpenVPN server to accept connections from clients identified by a username and password (client certificate not required)
4. Configure a client to authenticate to the OpenVPN server with username and password. Try to connect to the server (establish a VPN tunnel)
5. Test the encryption on the VPN tunnel using Wireshark (listen on interfaces *tun0* and *Ethernet*)

OpenVPN authentication (X.509 certificates)

6. Configure the OpenVPN server to accept connections from clients identified by a X.509 certificate
7. Configure a client to authenticate with a X.509 certificate
8. Test again the encryption on the VPN tunnel using Wireshark (listen on interfaces *tun0* and *Ethernet*)

Goals

Install OpenVPN in Linux (VPN client and server)

Configure OpenVPN authentication

Materials

- Gestão de Sistemas e Redes em Linux, Jorge Granjal, FCA 2010/2013, “Capítulo 21. Acessos seguros com VPN”
- [OpenVPN HOWTO](#)
- [Wireshark](#)