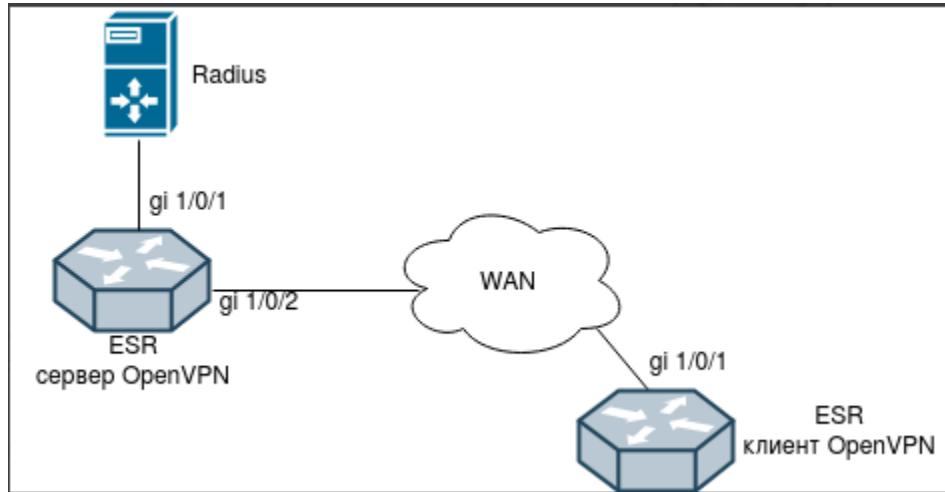


# OpenVPN OpenVPN Radius



OpenVPN(tunnel openvpn), OpenVPN(remote-access openvpn), Radius .

## OpenVPN

```
object-group service openvpn
    port-range 1194
exit

aaa authentication login radius_list radius
radius-server host 192.168.0.1
    key ascii-text <password_radius>
exit

no spanning-tree

security zone OpenVPN
exit
security zone untrusted
exit

interface gigabitethernet 1/0/1
    description "to_freeradius"
    security-zone OpenVPN
    ip address 192.168.0.10/24
exit
interface gigabitethernet 1/0/2
    description "to_WAN"
    security-zone untrusted
    ip address 192.0.2.1/30
exit
security zone-pair OpenVPN self
    rule 1
        action permit
        enable
    exit
exit
security zone-pair OpenVPN OpenVPN
    rule 1
        action permit
        enable
    exit
exit
security zone-pair untrusted self
    rule 1
        action permit

```

```

match protocol udp
match destination-port openvpn
enable
exit
rule 2
action permit
match protocol icmp
enable
exit
exit

remote-access openvpn test
network 172.16.1.0/24
protocol udp
tunnel ip
encryption algorithm aes128
authentication algorithm sha
login authentication radius_list
certificate ca ca.crt
certificate dh dh.pem
certificate server-key server_openvpn.key
certificate server-crt server_openvpn.crt
security-zone OpenVPN
enable
exit

ip route 0.0.0.0/0 192.0.2.2

esr# show remote-access status openvpn
User          IP-address      Server
-----  -----
client        172.16.1.6    openvpn(test)
Count sessions: 1

```

remote-access openvpn login authentication <> OpenVPN Radius.

## OpenVPN

```

interface gigabitethernet 1/0/1
ip firewall disable
ip address 192.168.20.1/24
exit
tunnel openvpn 1
ip firewall disable
remote address 192.0.2.1 port 1194
protocol udp
tunnel ip
encryption algorithm aes128
authentication algorithm sha
certificate ca ca.crt
certificate dh dh.pem
certificate client-key client_openvpn.key
certificate client-crt client_openvpn.crt
username <username>
password <password>
enable
exit

ip route 0.0.0.0/0 192.168.20.254

```

tunnel openvpn <username> <password> Radius

Radius

```
root@comp:~# cat /etc/freeradius/clients.conf
client 192.168.0.10 {
    secret = <password_radius>
    shortname = esr
}

root@comp:~# cat /etc/freeradius/users
<username> Cleartext-Password := "<password>"
    Service-Type = Administrative-User,
    cisco-avpair = "shell:priv-lvl=15"
```

Wireshark Radius(ip 192.168.0.1)