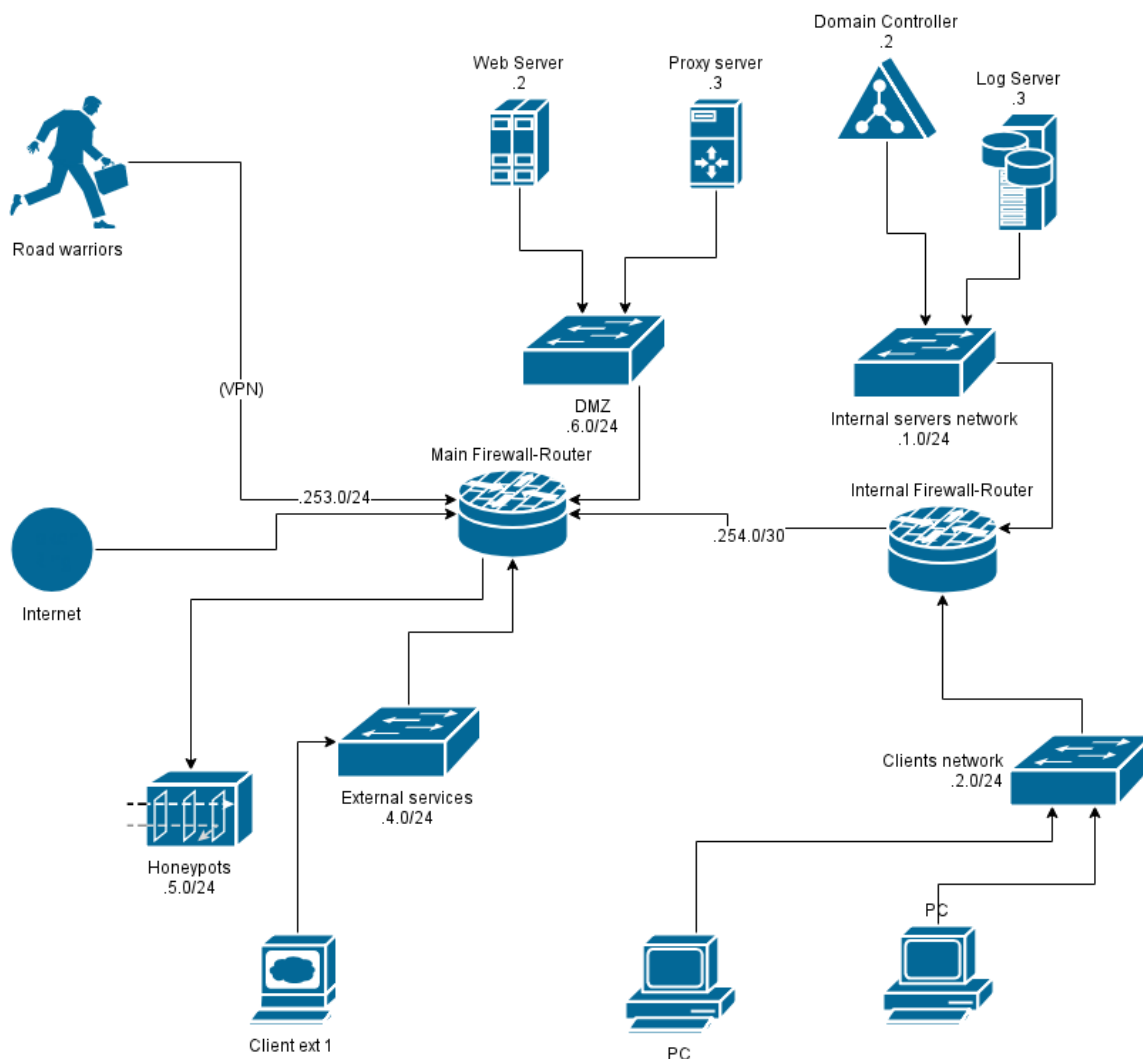# Assignment 6: LDAP on ACME co. Group activity

In this assignment you have to properly configure the AD/LDAP server and both network firewalls of the ACME co. You should do it within our remote infrastructure, but you can also use the infrastructure of Assignment 5 (in that case, you need to install a VM with Zentyal Linux for the "Domain Controller" server, in place of the DNS server). You can refer to [1] and [2] for all the questions related to LDAP.

Initially, Zentyal (the Domain Controller) will have only default users. You should create a user for each member of your group.

Both opnSense firewalls should be configured to use the Domain Controller as the LDAP source for user authentication (web UI). Only the members of your group should be able to authenticate and change settings (other users should be left out): in order to do so, you need to create a Security group in Zentyal. **Users not in that security group must not be able to authenticate.**

TIP: use the "Tester" function of opnSense in order to check if the configuration is correct and the users can be authenticated.

Be aware that opnSense and VMs (in our remote infrastructure) are configured with allow-all firewall rules due to an old sysadmin who didn't care too much on security. But you don't want to leave those rules as it is, do you?

Scheme of your hand-in

You have to prepare a document with the following structure:

Assignment 6: LDAP on ACME co.

Student names:
Student matricola list:

1. Introduction
2. Zentyal configuration
3. opnSense internal firewall configuration (auth)
4. opnSense main firewall configuration (auth)
5. Test of the configuration
6. Final remarks

References:

1. LDAP for Rocket Scientists → http://www.zytrax.com/books/ldap/
2. Understanding LDAP - Design and Implementation (An IBM Redbooks publication) → http://www.redbooks.ibm.com/redbooks/pdfs/sg244986.pdf