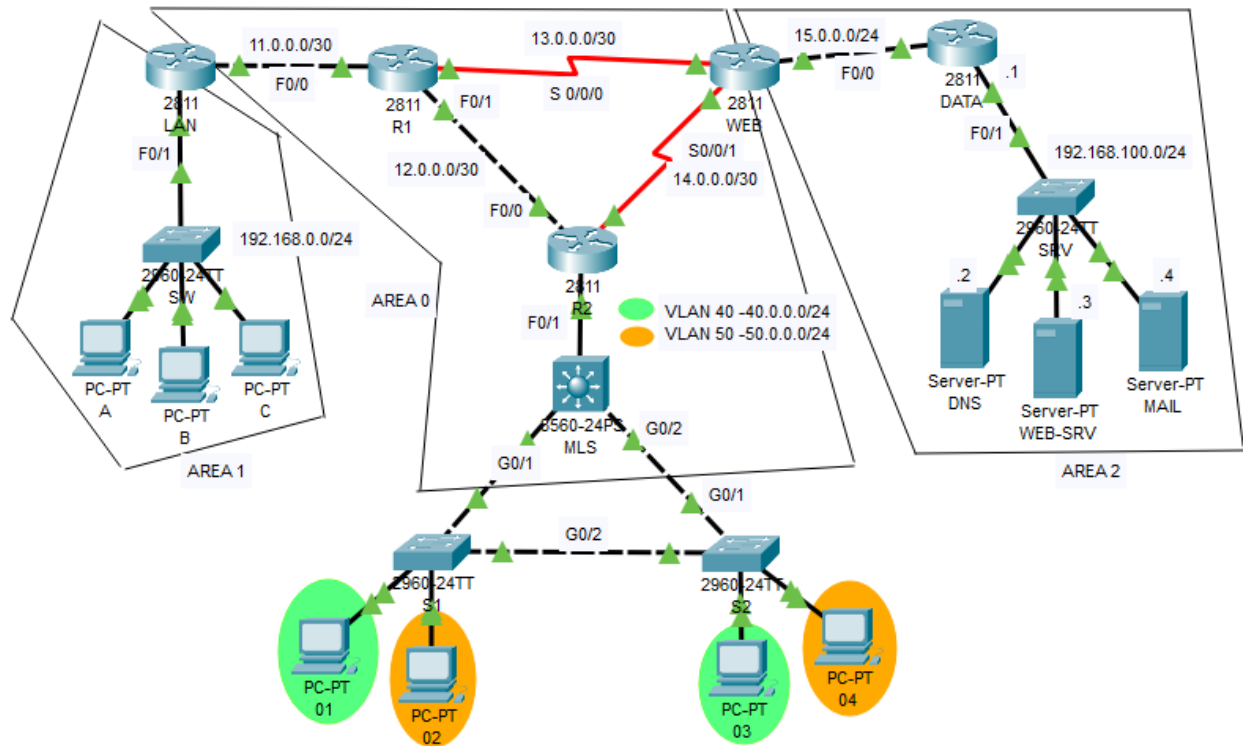**Goal**. Use the provided PKT file and configure OSPF auhenticaton.

OSPF authentication

Configuring authentication without hashing the password (the password is sent in clear text):

```
LAN(config)#interface FastEthernet 0/0
LAN(config-if)#ip ospf authentication-key cyber
LAN(config-if)#ip ospf authentication message-digest
LAN(config-if)#exit

R1(config)#interface FastEthernet 0/0
R1(config-if)#ip ospf authentication-key cyber
R1(config-if)#ip ospf authentication message-digest
R1(config-if)#exit
```

Configuring authentication with MD5:

```
R1(config)#interface FastEthernet 0/1
R1(config-if)#ip ospf message-digest-key 1 md5 cyber
R1(config-if)#ip ospf authentication message-digest
R1(config-if)#exit

R1(config)#interface FastEthernet 0/0
R1(config-if)#ip ospf message-digest-key 1 md5 cyber
R1(config-if)#ip ospf authentication message-digest
R1(config-if)#exit
```

Enabling authentication on all interfaces in one area (on the router being configured):

```
R1(config)#router ospf 1
R1(config-router)#area 0 authentication message-digest
```