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| POLITECHNIKA BYDGOSKA  WYDZIAŁ TELEKOMUNIKACJI, INFORMATYKI I ELEKTROTECHNIKI | | | | | | | | |
| LABORATORIUM SIECI KOMPUTEROWYCH | | | | | | | | |
| Kierunek | Informatyka stosowana | | | Semestr | II | Grupa | | 2 |
| Imię i nazwisko | Nikodem Gębicki 120620 | | | | | | | |
| Temat ćwiczenia | Podstawowa konfiguracja protokołu OSPF. | | | | | | | |
| Data wykonania | 12.05.2023 | Data oddania |  | | Ocena | |  | |

# Cel ćwiczenia

Celem ćwiczenia jest zapoznanie się z zasadami konfiguracji protokołu routingu OSPF oraz metodami weryfikacji działania protokołu OSPF.

# Przebieg

### R1

en

conf t

hostname R1

no ip domain-lookup

enable secret class

line console 0

password cisco

login

logging synchronous

exit

line vty 0 4

exec-timeout 15 0

password cisco

login

exit

banner motd ^

Hello Cisco

^

int fa0/0

ip address 172.16.1.17 255.255.255.240

no shutdown

exit

int s0/0/0

ip address 192.168.10.1 255.255.255.252

no shutdown

exit

int s0/0/1

ip address 192.168.10.5 255.255.255.252

no shutdown

exit

exit

copy running-config startup-config

### R2

en

conf t

hostname R2

no ip domain-lookup

enable secret class

line console 0

password cisco

login

logging synchronous

exit

line vty 0 4

exec-timeout 15 0

password cisco

login

exit

banner motd ^

Hello Cisco

^

int fa0/0

ip address 10.10.10.1 255.255.255.0

no shutdown

exit

int s0/0/0

ip address 192.168.10.2 255.255.255.252

no shutdown

exit

int s0/0/1

ip address 192.168.10.9 255.255.255.252

no shutdown

exit

exit

copy running-config startup-config

### R3

en

conf t

hostname R3

no ip domain-lookup

enable secret class

line console 0

password cisco

login

logging synchronous

exit

line vty 0 4

exec-timeout 15 0

password cisco

login

exit

banner motd ^

Hello Cisco

^

int fa0/0

ip address 172.16.1.33 255.255.255.248

no shutdown

exit

int s0/0/0

ip address 192.168.10.6 255.255.255.252

no shutdown

exit

int s0/0/1

ip address 192.168.10.10 255.255.255.252

no shutdown

exit

exit

copy running-config startup-config

### R1

router ospf 1

network 172.16.1.16 0.0.0.15 area 0

network 192.168.10.0 0.0.0.3 area 0

network 192.168.10.4 0.0.0.3 area 0

### R2

router ospf 1

network 10.10.10.0 0.0.0.255 area 0

network 192.168.10.0 0.0.0.3 area 0

network 192.168.10.8 0.0.0.3 area 0

end

### R3

router ospf 1

network 172.16.1.32 0.0.0.7 area 0

network 192.168.10.4 0.0.0.3 area 0

network 192.168.10.8 0.0.0.3 area 0

end