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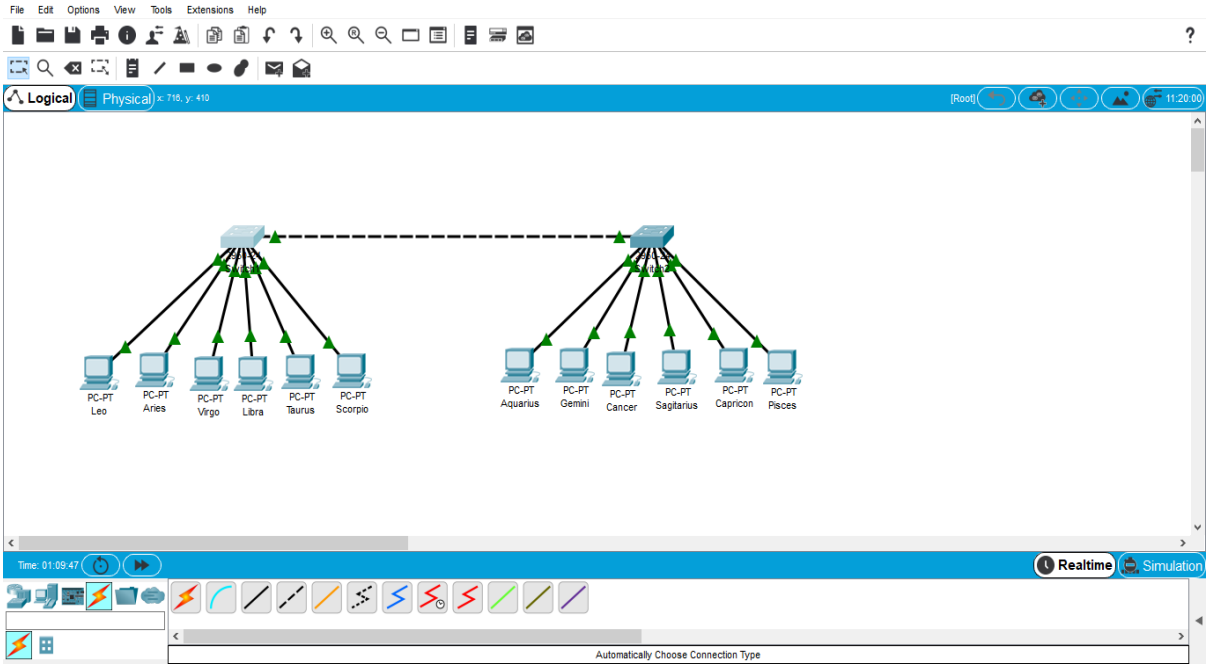
Kelas : B

MODUL 4

VIRTUAL LAN DAN TRUNKING

Kegiatan 2. Topologi 2

1. Menggunakan cisco packet tracer membuat topologi berikut dengan menguunakan switch Catalyst 2950.

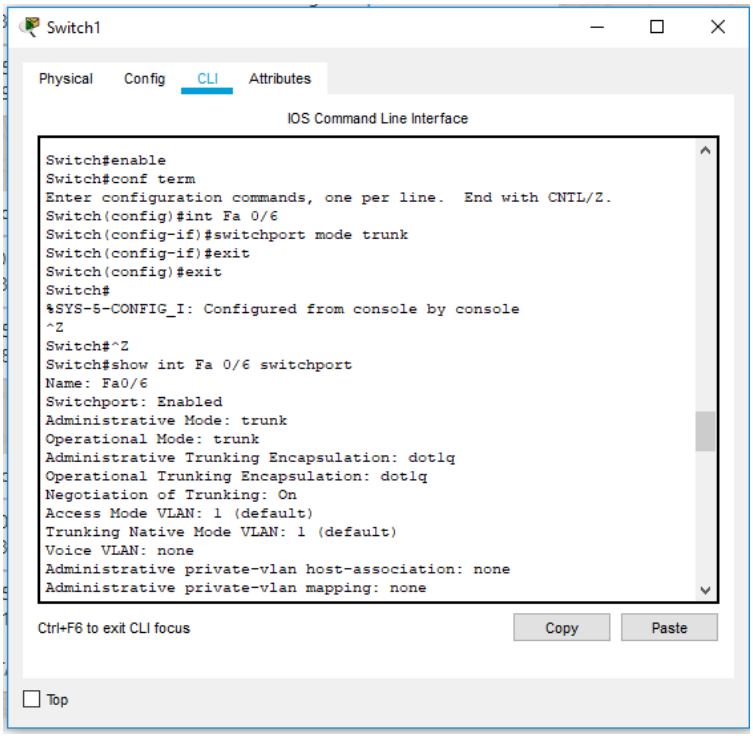


2. Memberi nama masing-masing perangkat dengan SW1 (switch 1), Leo(PC0), Aries (PC1), Virgo (PC2), Libra (PC3), Taurus (PC4), dan Scorpio (PC5) untuk segmen switch 1.
3. Memberi nama masing-masing perangkat dengan SW2 (switch 2), Aquarius (PC6), Gemini (PC7), Cancer (PC8), Sagitarius (PC9), Capricornus (PC10), dan Pisces (PC11) untuk segmen switch 2.
4. Konfigurasi masing-masing PC dengan nama dan alamat IP berikut ini :
    - Leo = 172.21.1.1/24
    - Aries = 172.21.1.2/24
    - Virgo = 172.21.2.1/24
    - Libra = 172.21.2.2/24
    - Taurus = 172.21.3.1/24
    - Scorpio = 172.21.3.2/24
    - Aquarius = 172.21.1.3/24
    - Gemini = 172.21.1.4/24
    - Cancer = 172.21.2.3/24
    - Sagitarius = 172.21.2.4/24
    - Capriconus = 172.21.3.3/24
    - Pisces = 172.21.3.4/24

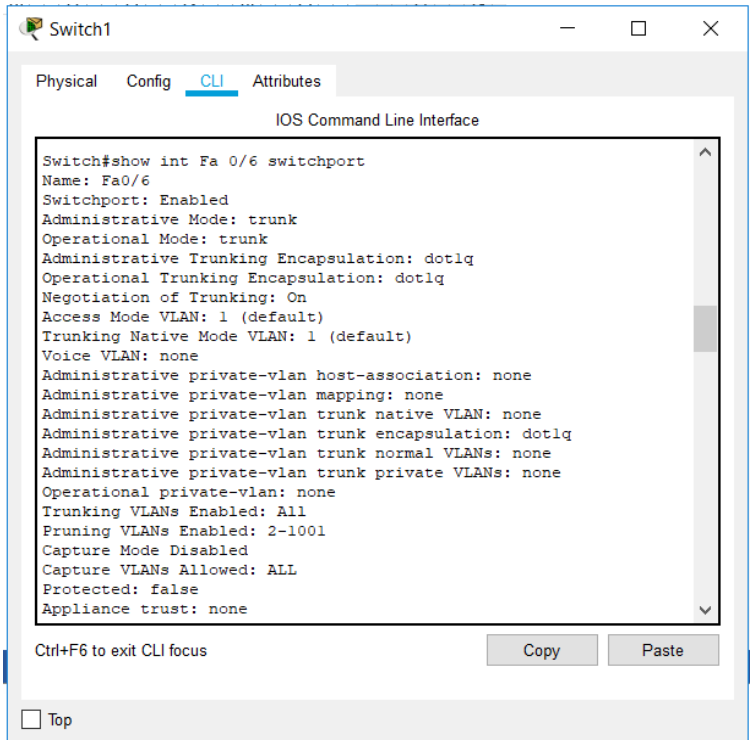
5. Konfigurasi VLAN trunking pada switch 1.

Langkah pengoperasian :

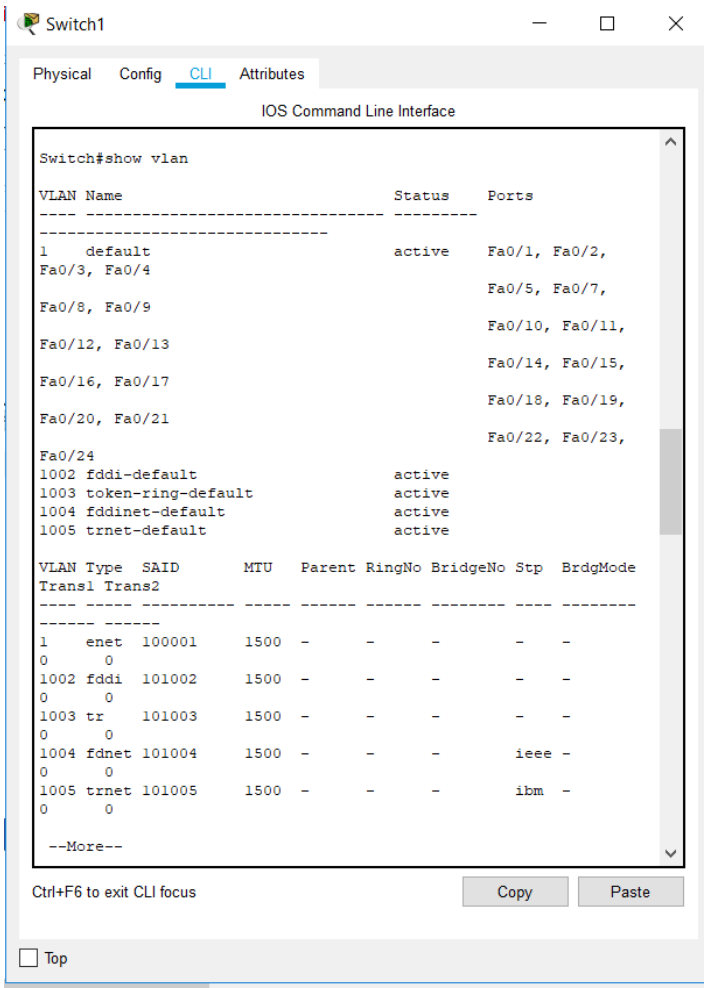
- Masuk pada mode configuration
- Masuk pada mode interface yang di pakai untuk trunking
- Switch(config)#interface Fa 0/6
- Switch(config-if)#switchport mode trunk
- Switch(config-if)#exit



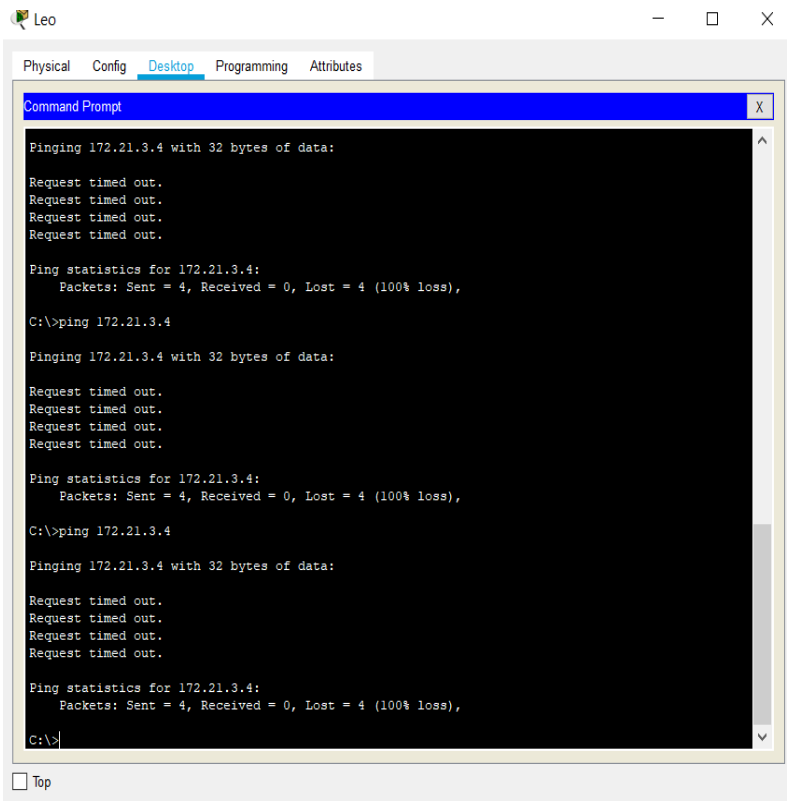
6. Melihat konfugurasi :
   - Ketik show int Fa 0/6 switchport



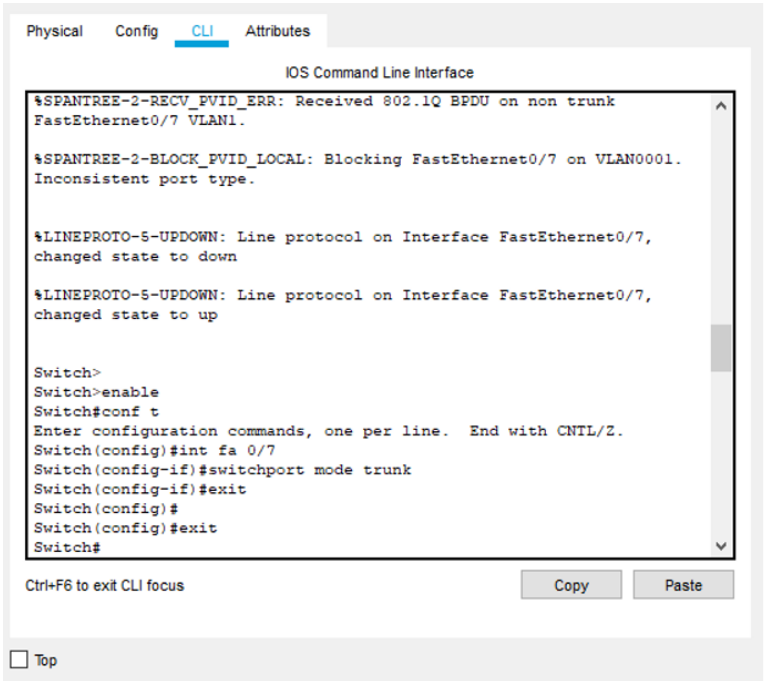
- Ketik show vlan



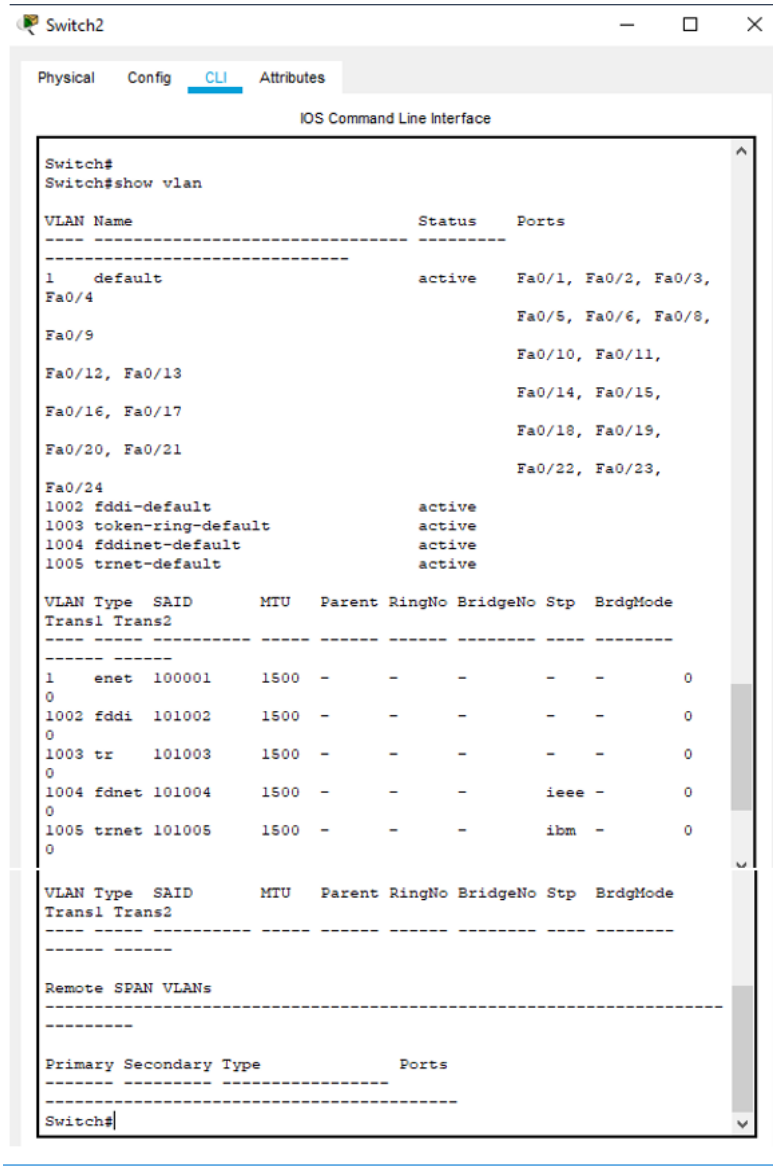
7. Lakukan PC Leoke PC Pisces



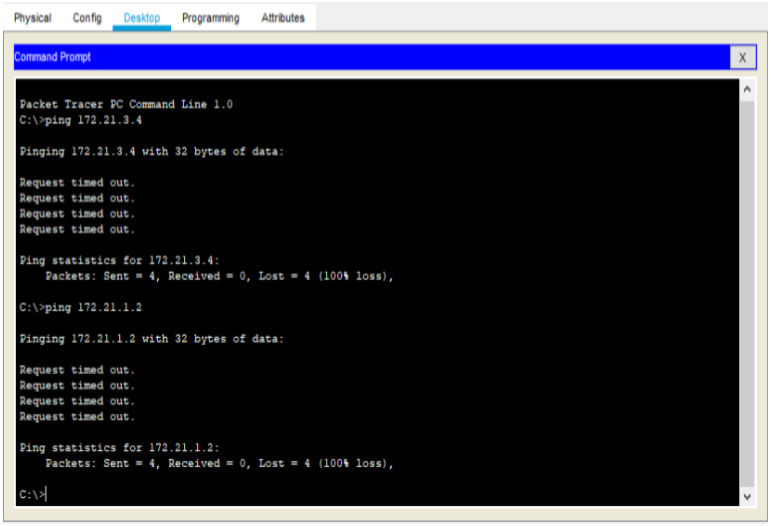
8. Konfigurasi VLAN trunking pada switch 2



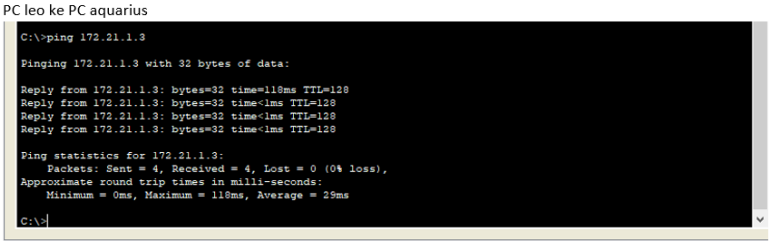
9. Melihat hasil konfigurasi trunking pada switch 2

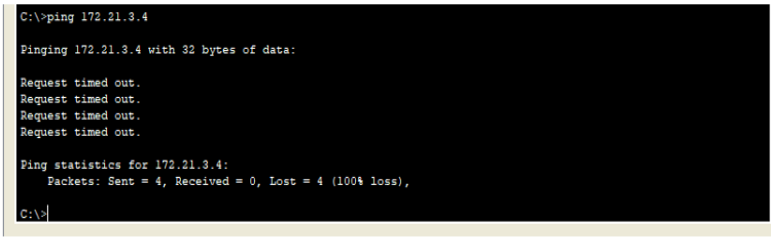


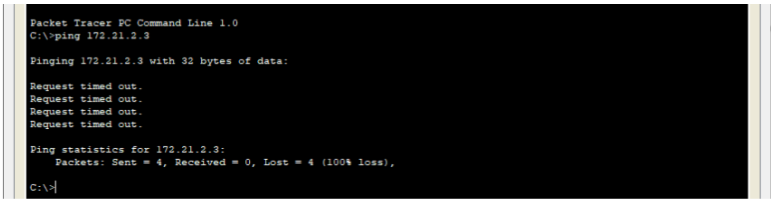
10. Uji coba ping

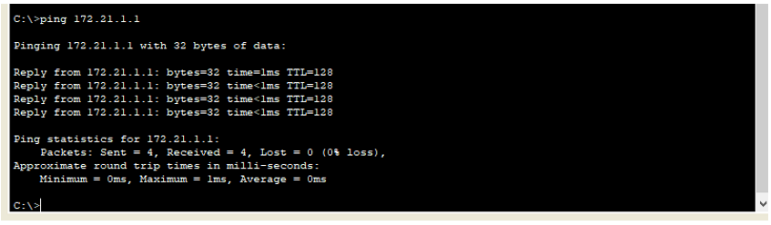


PC leo ke PC aquarius









- Kesimpulan dari kegiatan di atas adalah apabila PC berada pada VLAN yang sama, maka akan menghasilkan status Reply. Tetapi jika berada pada VLAN yang berbeda akan menghasilkan status Request Time Out.