

Building the ICND1 Lab Network:

LAYER 3 SWITCH AND SWITCHES



Ross Bagurdes

NETWORK ENGINEER

@bagurdes

Module Goals

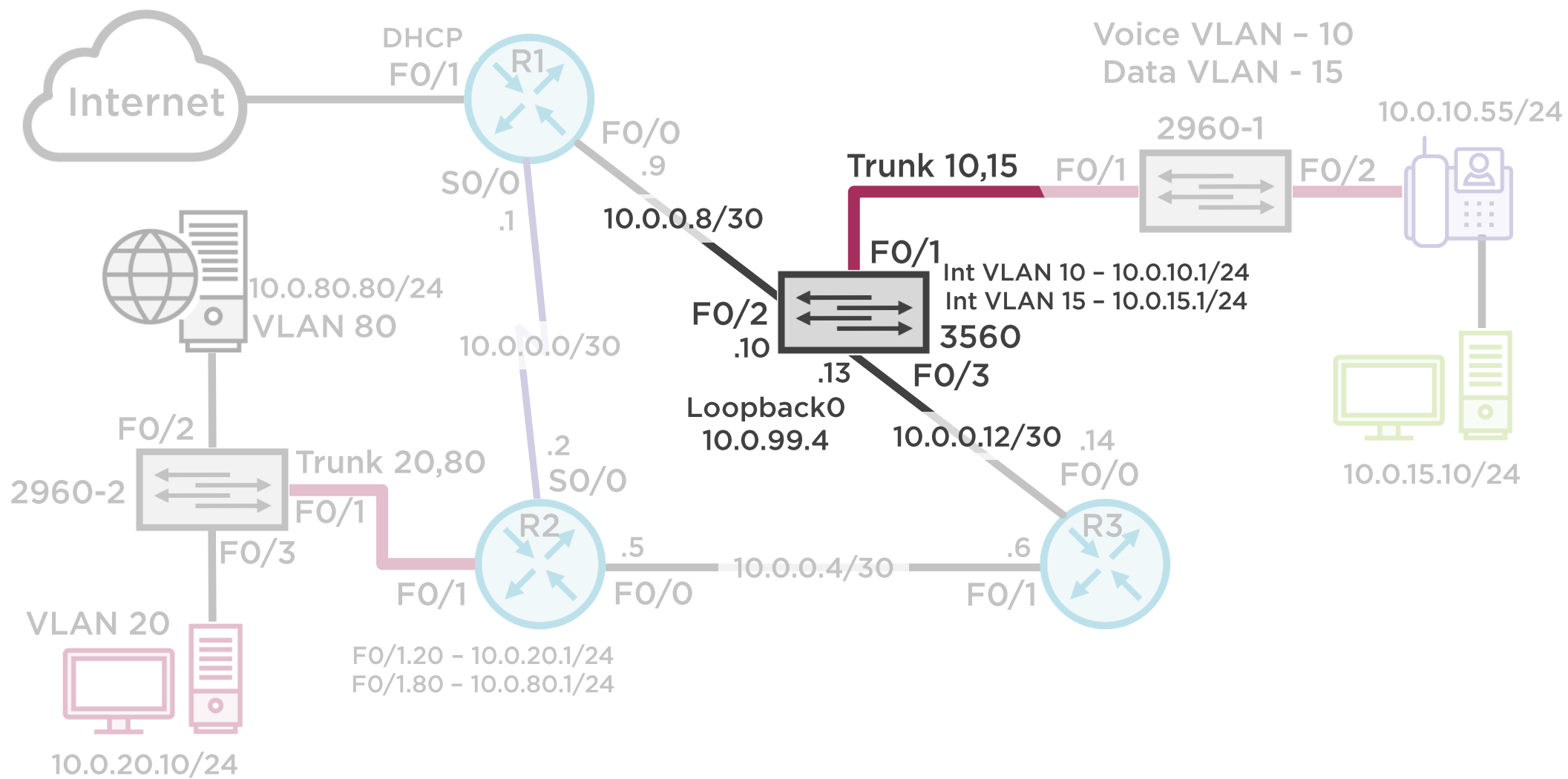


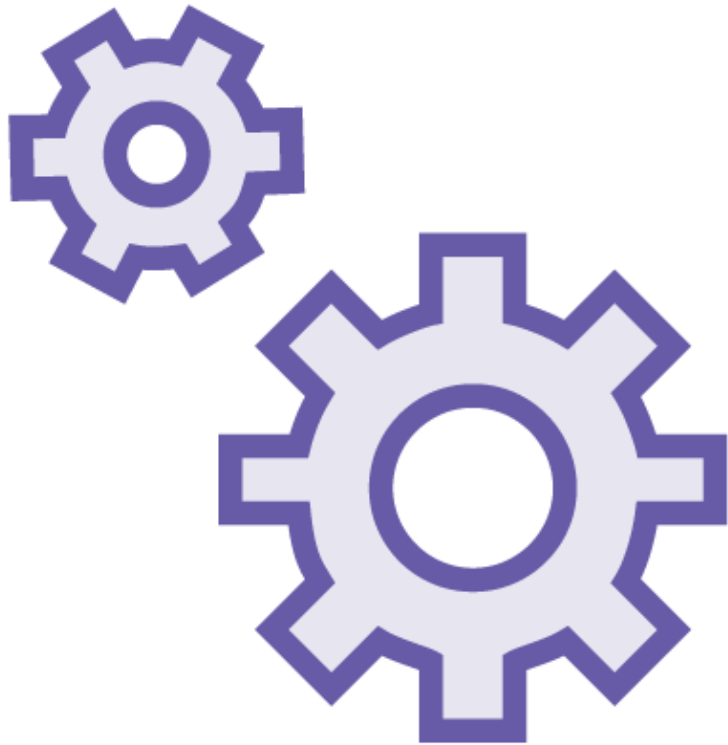
Build ICND1 lab network

Use Notepad to build configurations

Configure 3560

Lab Network



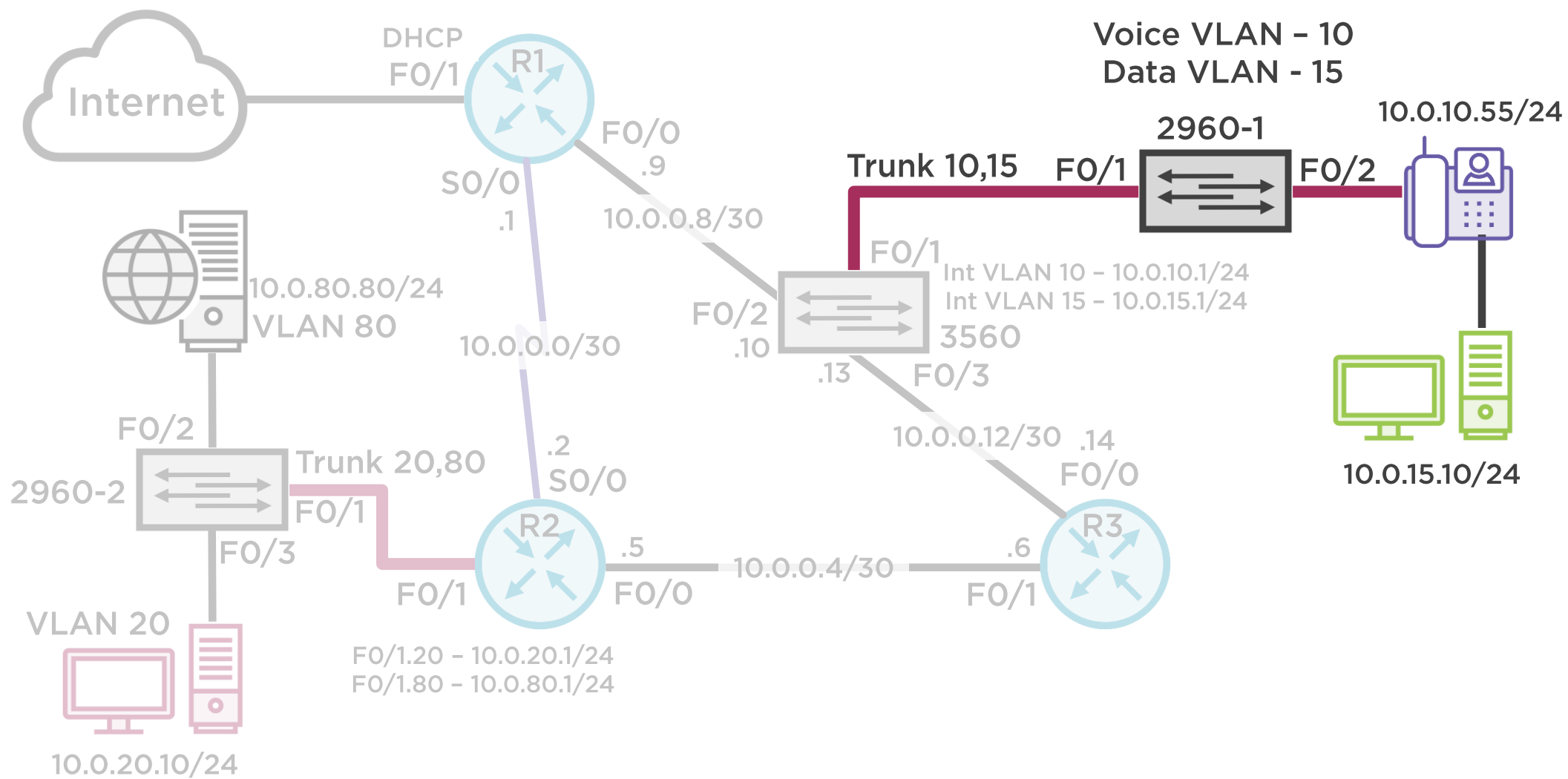


3560 Configuration Tasks

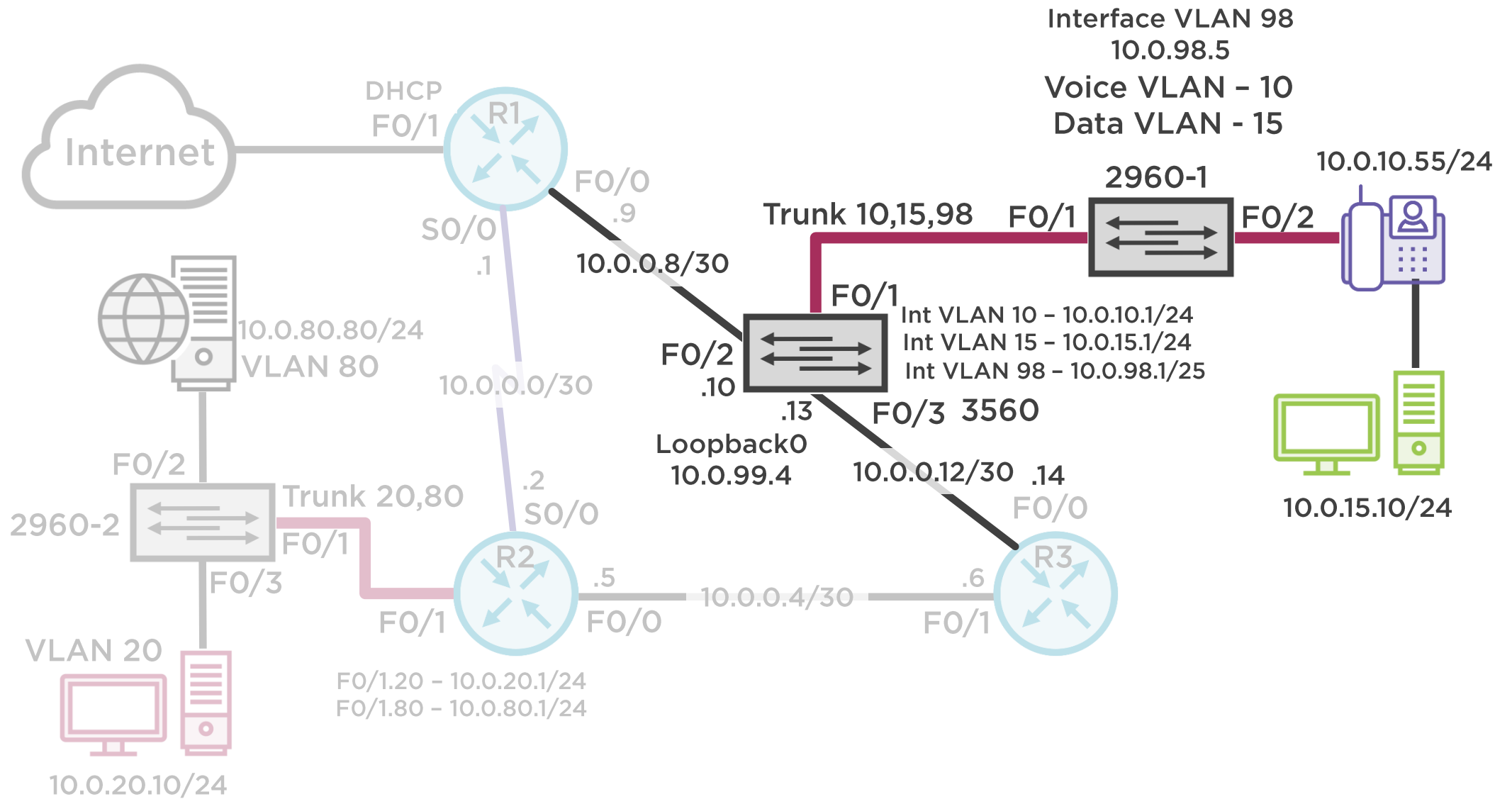
- Use Notepad edit base config
- Paste base config on 3560
- Configure VLANs
- Secure switchports
- Configure trunk on F0/1
- Configure interface VLANs
- Configure F0/2 and F0/3 as 'no switchport'
- Enable OSPF routing
- Copy config to Notepad

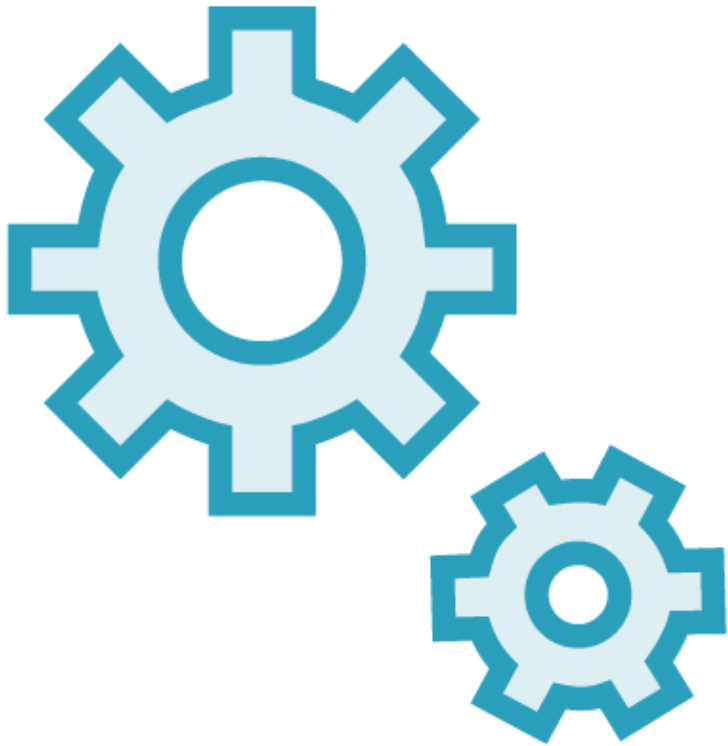
Configure 2960-1

Lab Network



Lab Network





2960-1 Configuration Tasks

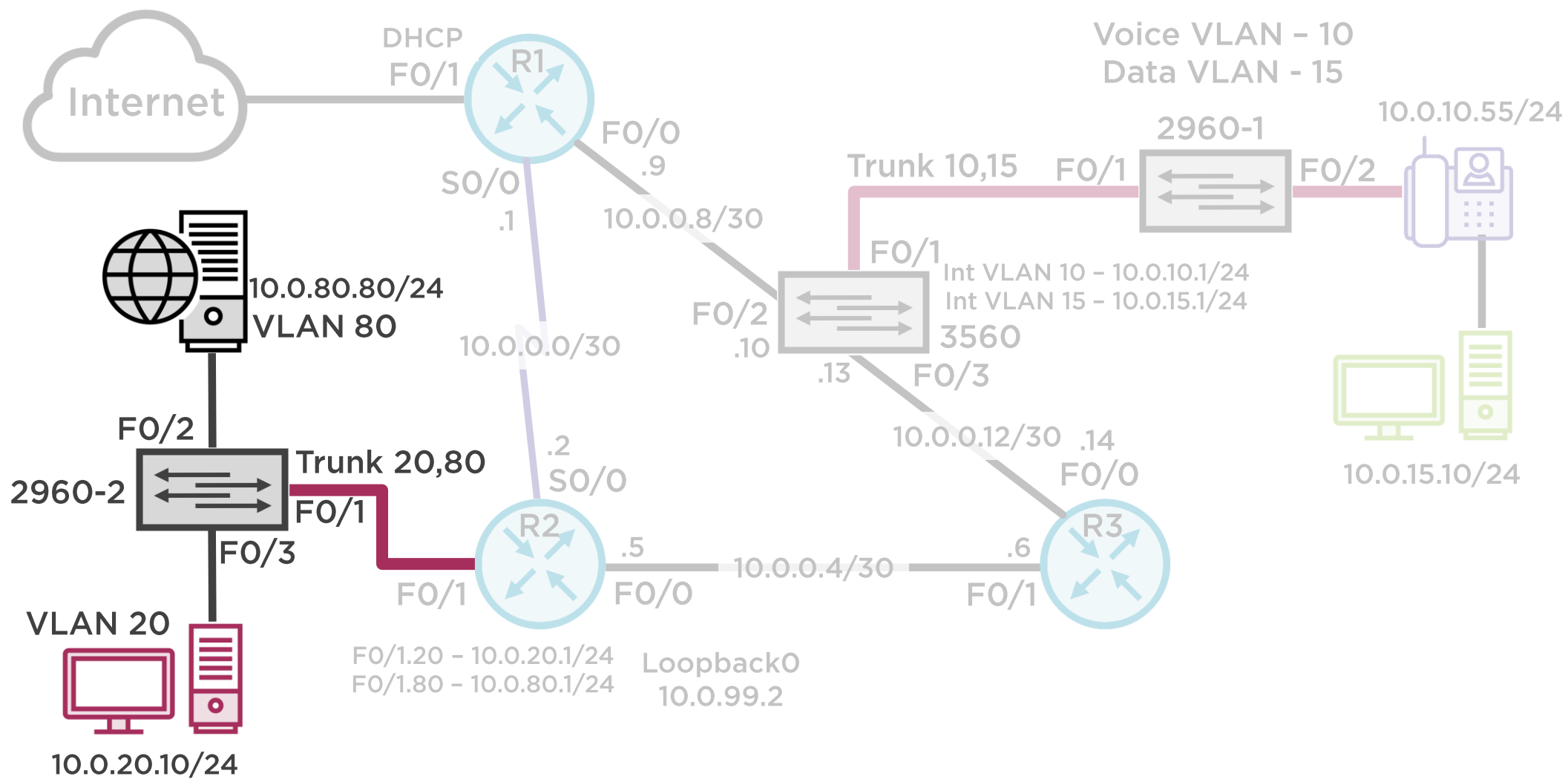
- Use Notepad edit base config
- Paste base config on 2960
- Configure VLANs
- Configure interface VLAN 98
- Configure int F0/2 as voice/data port
- Set default gateway

3560 Configuration Tasks

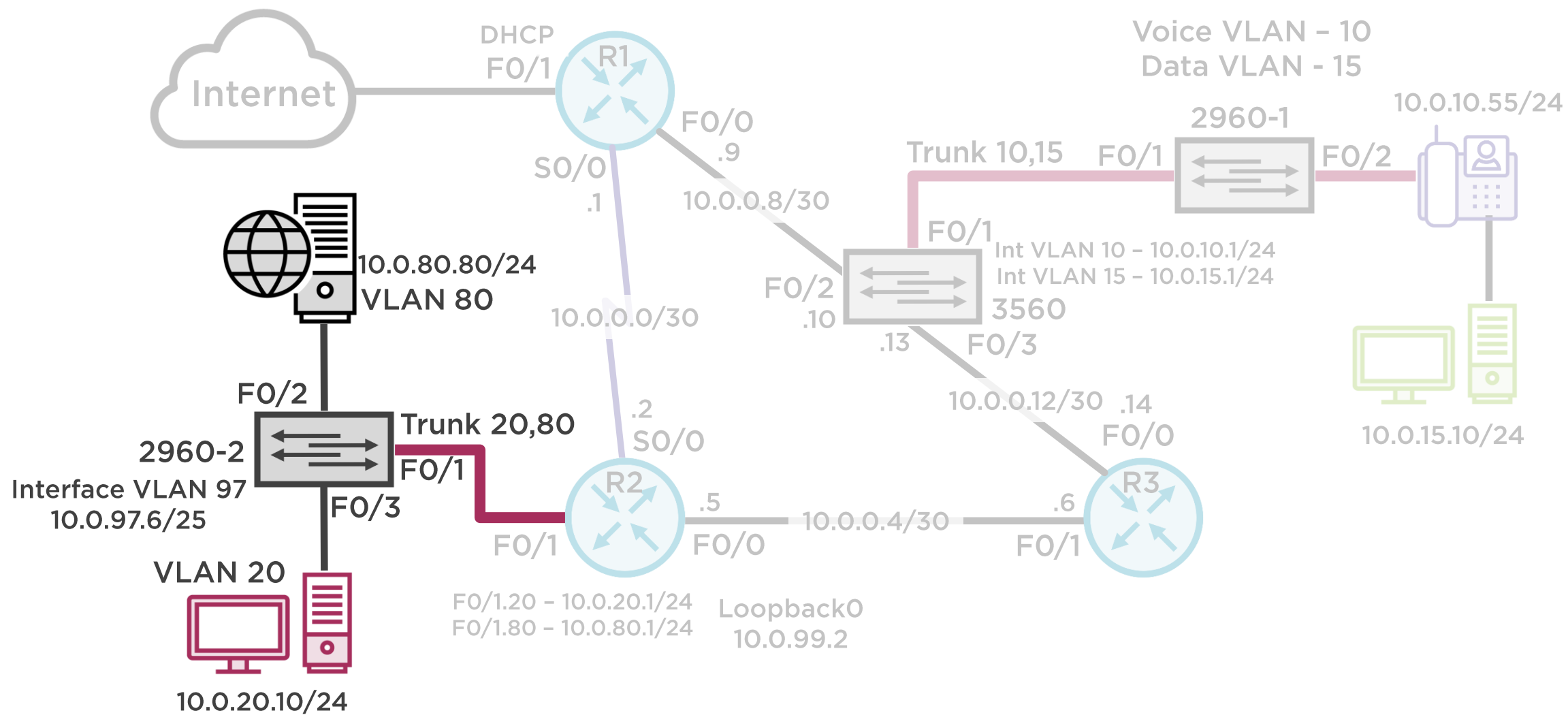
- Create VLAN 98
- Create int VLAN 98
- Add VLAN 98 to trunk link
- Advertise 10.0.98.0/25 in OSPF

Configure 2960-2

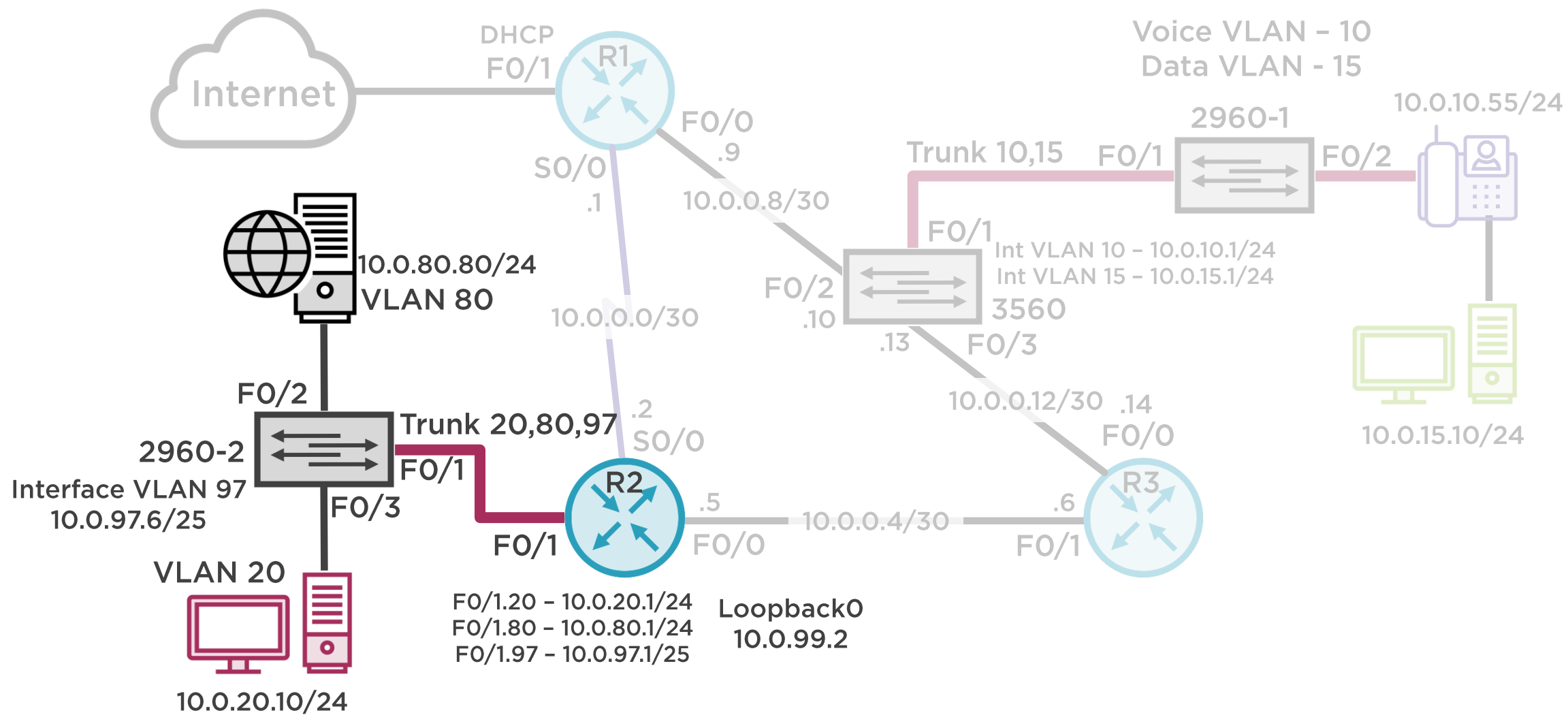
Lab Network

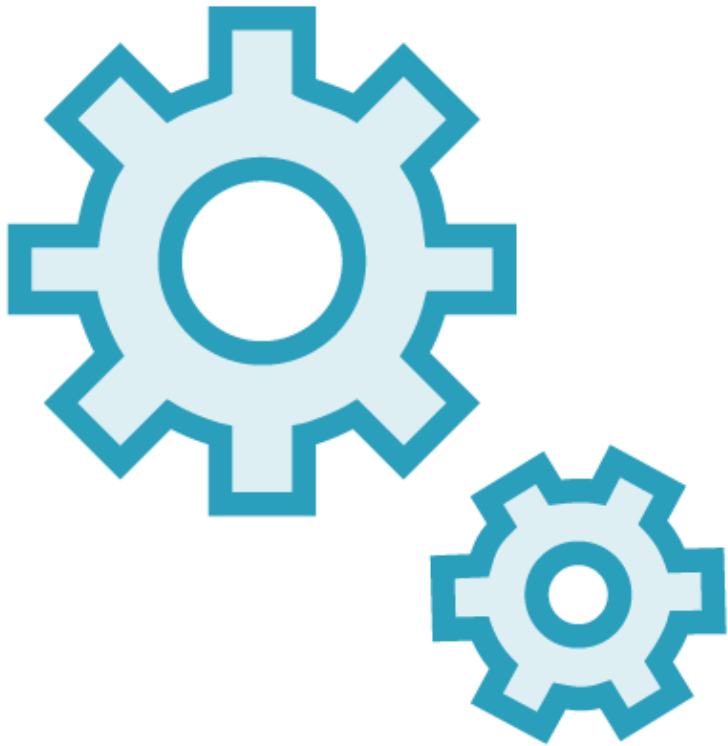


Lab Network



Lab Network





2960-2 Configuration Tasks

- Use Notepad edit base config
- Paste base config on 2960
- Configure VLANs
- Configure interface VLAN 97
- Configure trunk link on F0/1
- Set default gateway

R3 Configuration Tasks

- Create interface F0/1.97
- Advertise 10.0.97.0/25 in OSPF

Summary



Build ICND1 lab network

Use Notepad to build configurations