

## 5.4 Lab: Create a Three-Tier Network

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Time Spent: 00:08

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### Task Summary

#### Required Actions

- ✗ Create the default connection for each access layer switch [Show Details](#)
- ✗ Make the redundant connections from each distribution layer router to the other two switches [Show Details](#)
- ✗ Implement the connections from the core layer to the distribution layer [Show Details](#)

### Explanation

1. Create the default connection for each access layer switch as follows:
  - a. In the tools tray, select **Create Link**.
  - b. Create the connections by doing the following:
    - Select **Access1** and then **Access 1 port 0**.
    - Select **Dist1** and then **enp2s0**.
    - Select **Access2** and then **Access 2 port 0**.
    - Select **Dist2** and then **enp2s0**.
    - Select **Access3** and then **Access 3 port 0**.
    - Select **Dist3** and then **enp2s0**.
2. Make the redundant connections from each distribution layer router to the other two switches.
  - a. From the top right, select **Exhibits**.
  - b. Create the redundant connections as specified in the following table:

Distribution Layer	
Dist1:enp2s1	Access2:any port
Dist1:enp2s2	Access3:any port
Dist2:enp2s1	Access1:any port
Dist2:enp2s2	Access3:any port
Dist3:enp2s1	Access1:any port
Dist3:enp2s2	Access2:any port

3. Implement the connections from the core layer to the distribution layer.
  - a. Use the network information from the exhibit to connect the core routers as follows:

Core Layer	
Core1:enp2s0	Dist1:enp2s3
Core1:enp2s1	Dist2:enp2s3
Core1:enp2s2	Dist3:enp2s3

Core Layer	
Core2:enp2s0	Dist1:enp2s4
Core2:enp2s1	Dist2:enp2s4
Core2:enp2s2	Dist3:enp2s4