

NETWORK ADMINISTRATION PROJECT

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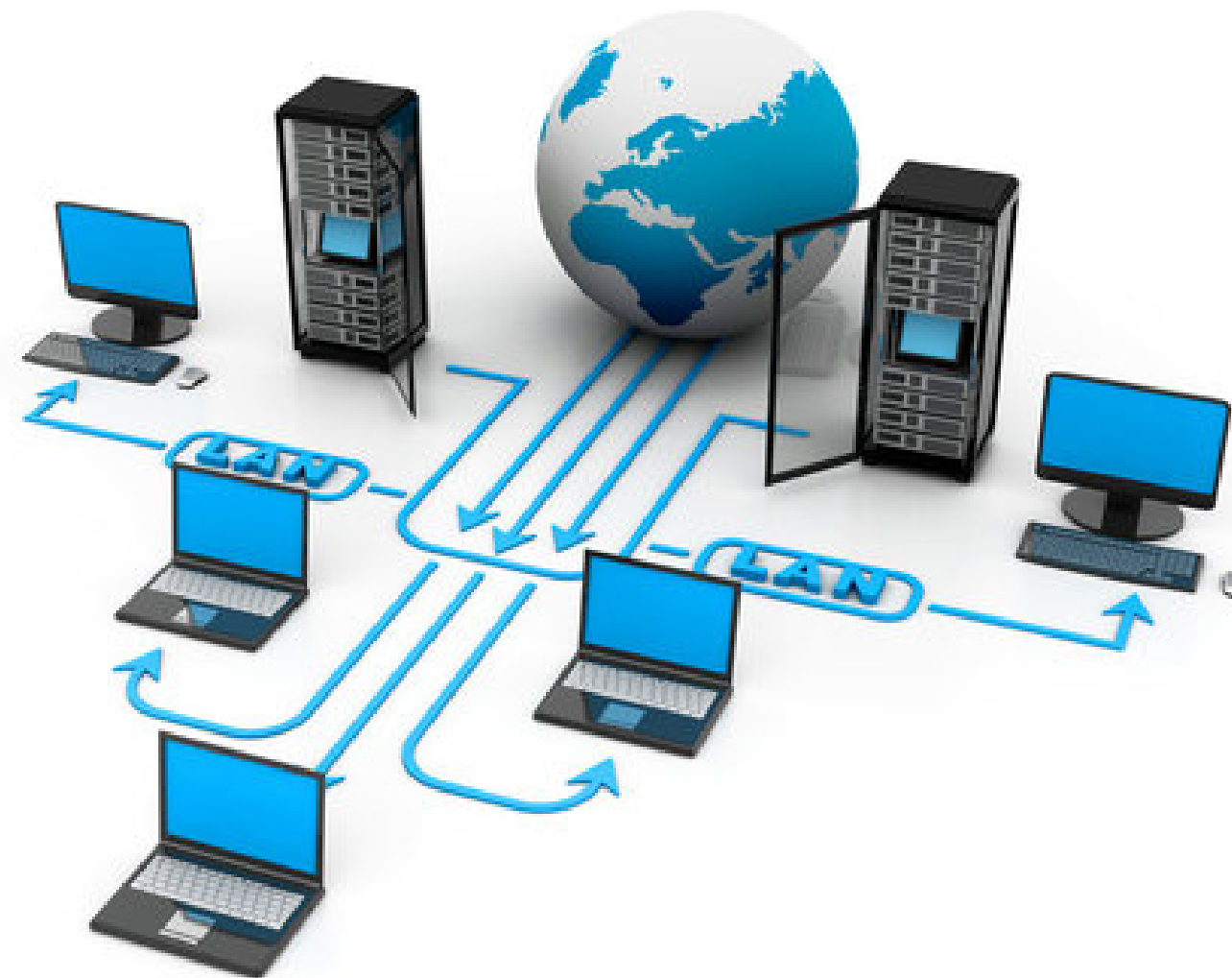
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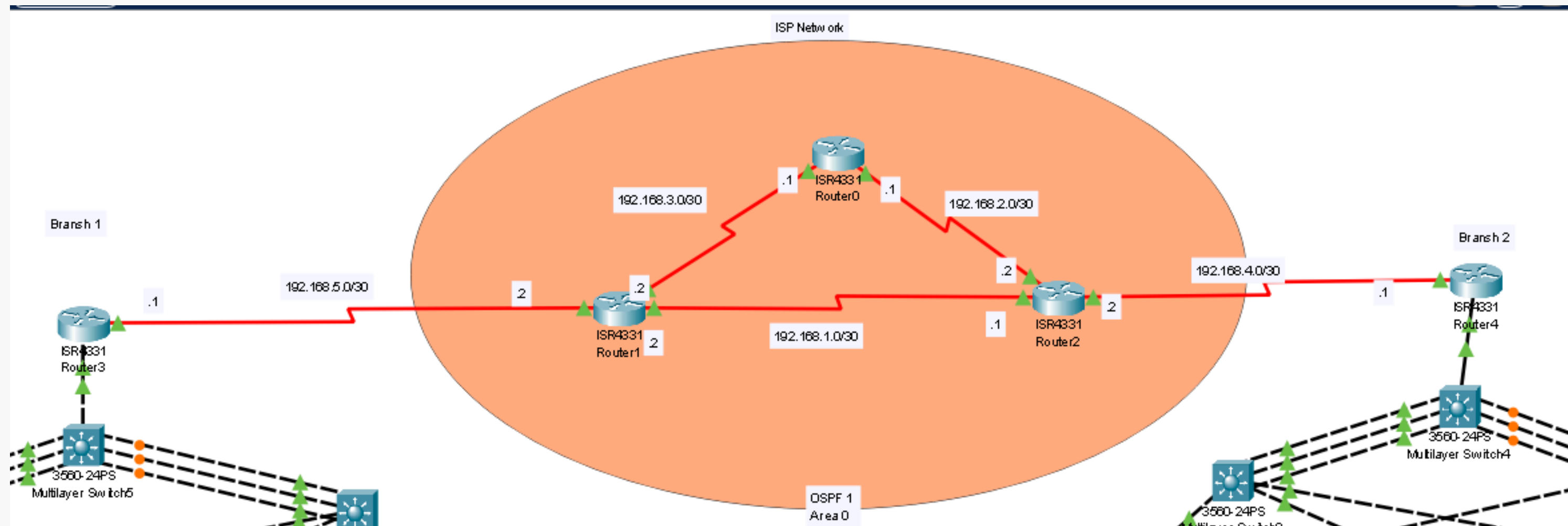
1) INTRODUCTION

**OUR PROJECT IS A NETWORK FOR A COMPANY THAT HAS 2 BRANCHES
ONE IN SEMOUHA AND ANOTHER IN AGAMI**



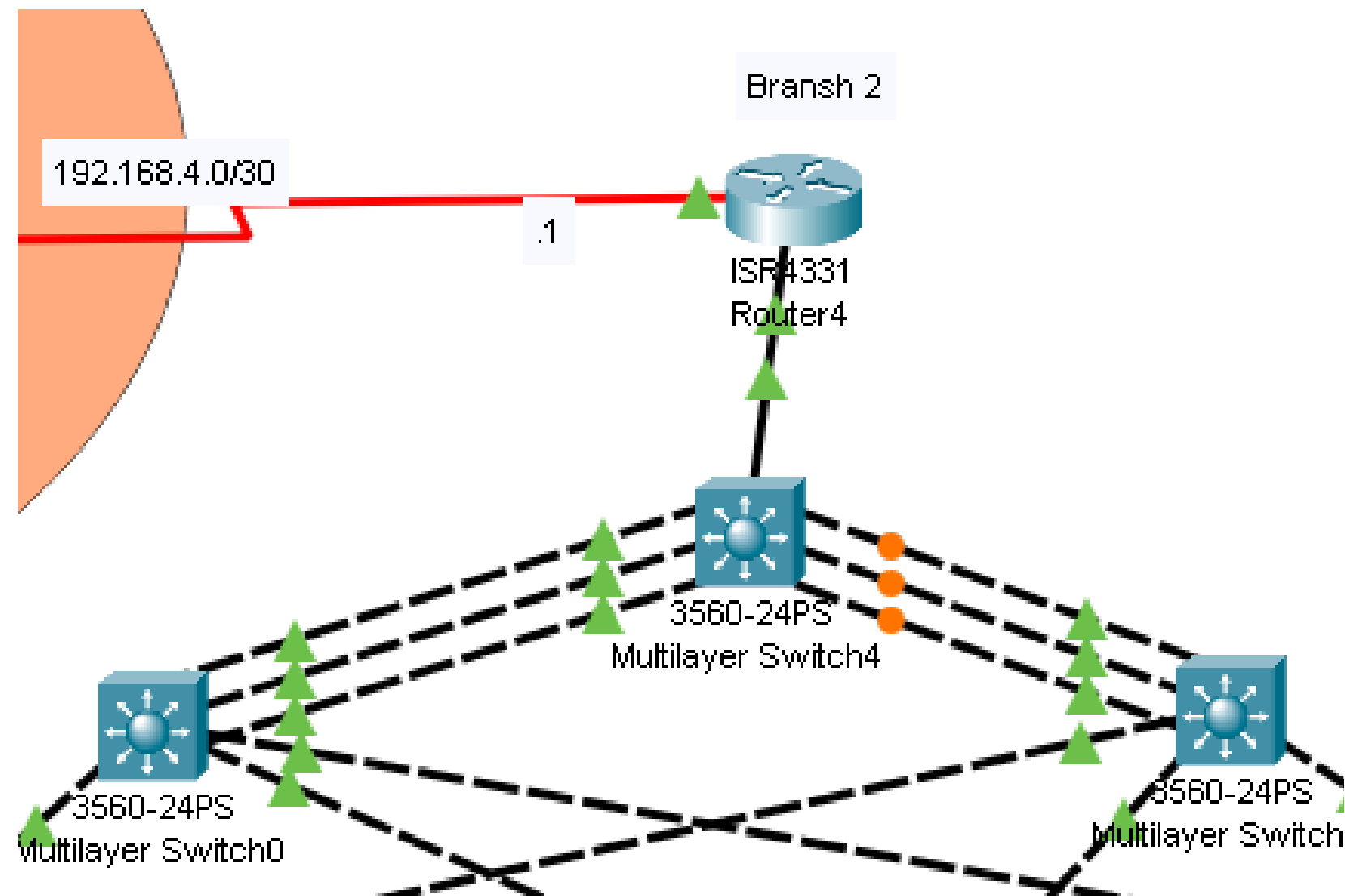
2) PROTOCOLS AND FEATURES

OSPFV2

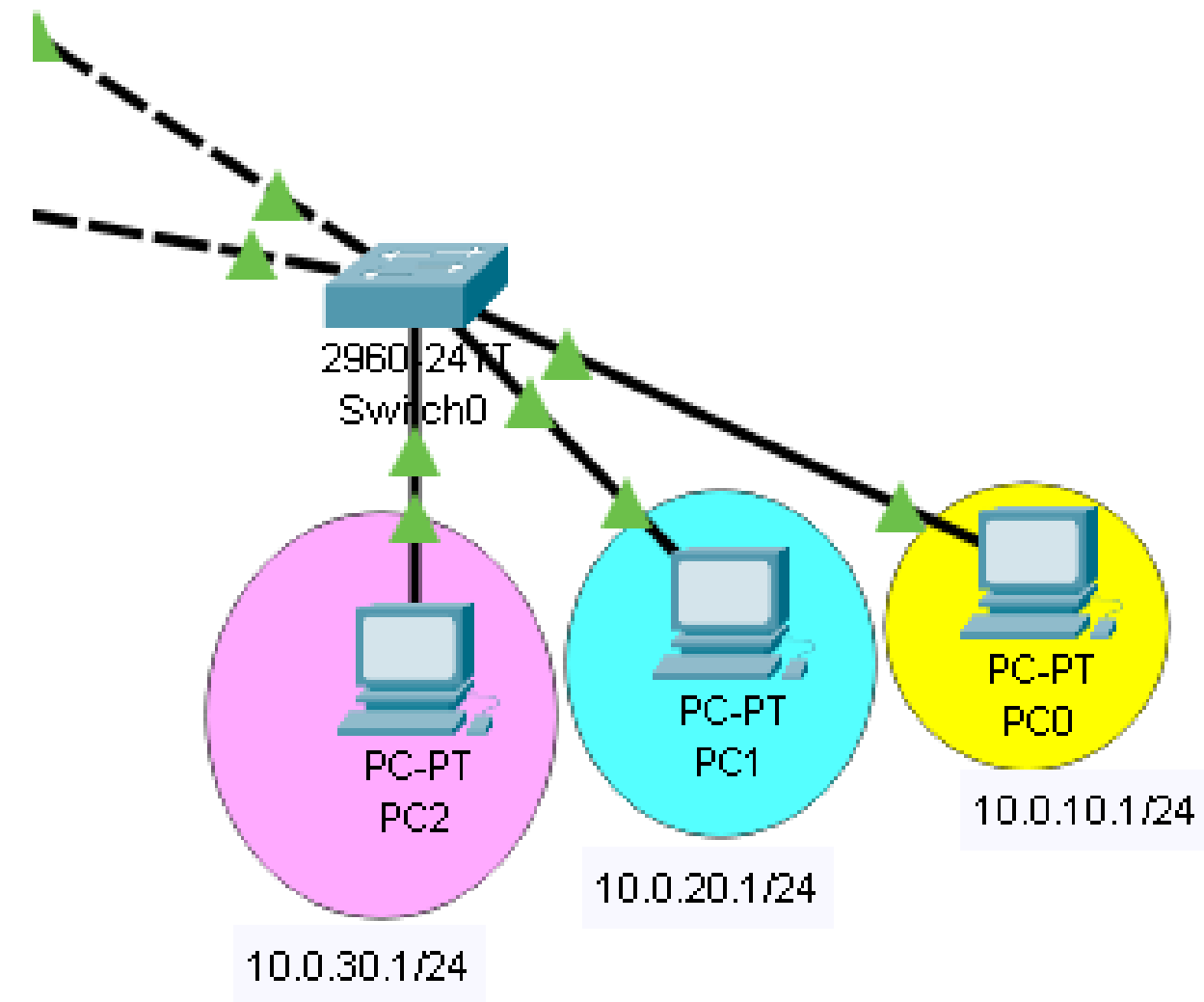


2) PROTOCOLS AND FEATURES

ETHERCHANNEL

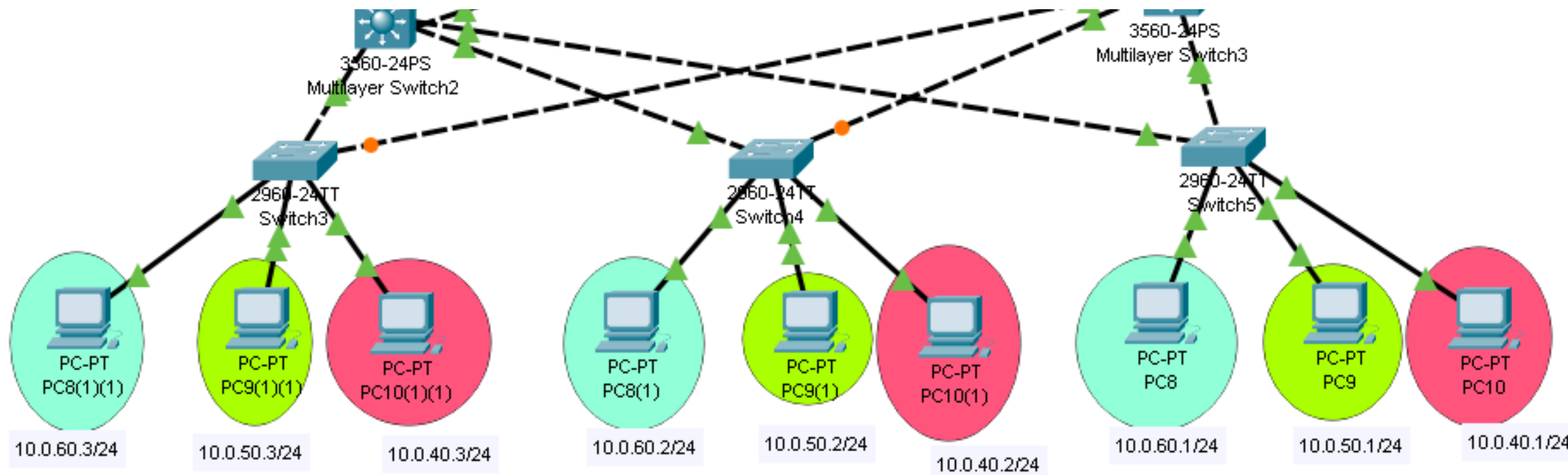


PORT SECURITY USING MAC



2) PROTOCOLS AND FEATURES

VLANs



VLAN 10

Sales Department

VLAN 20

HR Department

VLAN 30

Customer Service Department

VLAN 40

Finance Department

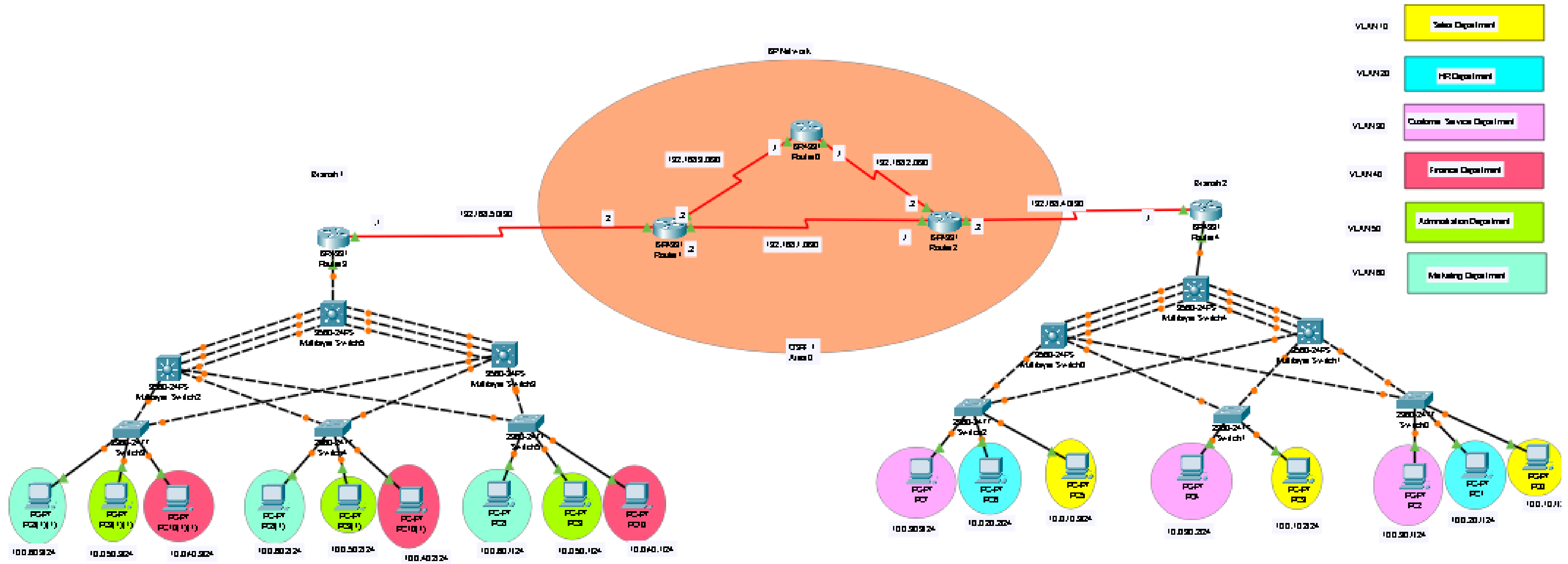
VLAN 50

Administration Department

VLAN 60

Marketing Department

3) DIAGRAM



4) Conclusion

IN CONCLUSION, THIS PROJECT DELIVERS A FULLY DESIGNED, IMPLEMENTED, AND SECURED SMALL OFFICE NETWORK. BY UTILIZING VLANS FOR TRAFFIC SEGMENTATION AND OSPF FOR DYNAMIC ROUTING, WE ENSURE EFFICIENT COMMUNICATION BETWEEN DEVICES. ADVANCED SECURITY MEASURES LIKE IP SOURCE GUARD AND PORT SECURITY PROTECT THE NETWORK FROM UNAUTHORIZED ACCESS, WHILE ETHERCHANNEL ENHANCES PERFORMANCE THROUGH REDUNDANCY AND LINK AGGREGATION. TOGETHER, THESE FEATURES PROVIDE A ROBUST, SECURE, AND SCALABLE NETWORK SOLUTION FOR THE COMPANY.

THANK YOU