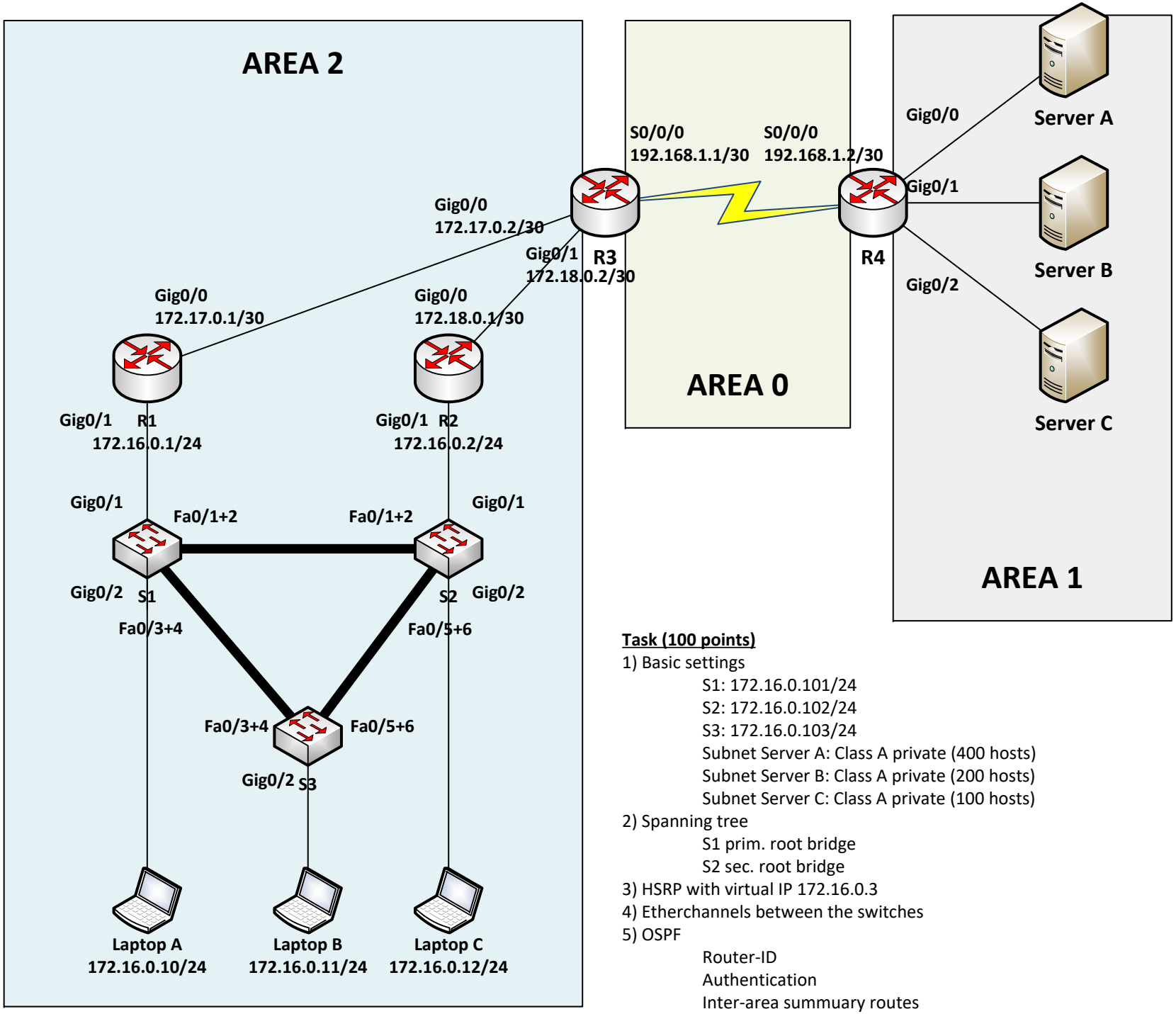

Task (100 points)

1) Basic settings
   - S1: 172.16.0.101/24
   - S2: 172.16.0.102/24
   - S3: 172.16.0.103/24
   - Subnet Server A: Class A private (400 hosts)
   - Subnet Server B: Class A private (200 hosts)
   - Subnet Server C: Class A private (100 hosts)
2) Spanning tree
   - S1 prim. root bridge
   - S2 sec. root bridge
3) HSRP with virtual IP 172.16.0.3
4) Etherchannels between the switches
5) OSPF
   - Router-ID
   - Authentication
   - Inter-area summuary routes