CISCO 2   
Skills Based Final Exam

Files will be given to be configured using the instruction below. This is 4 hours exam, Open Notes.

**Cebu Branch**Multi-Area OSPF  
Area 0 - BackBone is connected via ISP using the ISP given address  
Area 1 - 192.168.192.0/21  
Area 2 - 172.16.224.0/22  
All Addresses will be distributed by the DHCP Server  
Create a localize website here stating the 3 other branches  
Website name www.sterlingcebu.com and its alias

**Iloilo Branch**Single Area OSPF  
Area 1 - 208.11.224.0/21  
All Addresses will be distributed by the DHCP Server  
Create a localize website here also stating the 2 other branches and the Cebu Main Branch  
Website name www.sterlingiloilo.com and its alias

**Davao Branch**EIGRP 100 - 172.200.224.0/21  
All Addresses will be distributed by the DHCP Server  
Create a localize website here also stating the 2 other branches and the Cebu Main Branch  
Website name www.sterlingdavao.com and its alias

**ISP**Create an ISP on a different file where all branches will connect  
Use address 10.10.10.0/30 network  
Uses Backup Default Static Route  
Uses Primary Route for Protocols directly connected to it  
Create www.myISP.com server in the ISP router

The requirement for all branches:  
1. Configure what is necessary for the given topology (VLAN, Addressing, Server Services, etc.)  
2. Port security with violation shutdown  
3. All unused port will be shutdown  
4. Use the Main Router of each branch to connect to the ISP  
5. Use Backup Default static route for all network connected to ISP  
6. Compute for summarization so that entries on the routing table should be manageable.

7. Apply NAT to all main router of each branch. Access to Website, FTP, SMTP will be done through DNS using the Outside Global Address of each Branch.  
8. Apply Access Control List

a. standard ACL

- Deny computers from Davao Network to Ping IloIlo Network

- deny all computers from the Cebu Network Area 2 to telnet Davao Main router.

b. extended ACL

- Deny computers from IloIlo Branch to email Cebu Area 1 network but can email Davao network

- Deny all computers from Cebu Branch Area 1 to access the web of Davao but can access the website of IloIlo Branch