Practice Cybersecurity

*Objectives*: The main target is to use security policies to filter traffic of a certain type through access lists.

*General requirements*:

1. The transmitted topology will be build respecting the type of equipment (*not model*) and the connections (*can add supplementary PC’s*). Each equipment will have standard configurations (security, shutdown interfaces not needed, banner etc.)
2. It will be used ip’s from *network* **10.0.0.0/8**, use only minimum ip needed (VLSM). In the solution, please present ip allocation for each equipment.
3. The connectivity will be assured using dynamic routing protocol (yellow – RIPv2, blue – OSPF, red – EIGRP). For central zone can be used dynamic or static routing. It is necessary to have connectivity between each device.

***ACL requirments***:

1. On each server activate the indicated service (yellow –FTP, blue – WEB)
2. Filter the traffic such that only the packets that will include the specified services that are allowed on servers.
3. Add ACL rules such that the SSH connections to the blue zone routers will be permitted only from red zone server.
4. Screenshots will be saved showing that the added rules filter traffic

*Final requirments*:

1. The project will be sent by email at least 2 days before the set deadline.
2. 2 files will be submitted: a document detailing the above requirements and a .pkt file that must contain the requirements