

Practice Cybersecurity

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

General requirements:

- I) 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.)
- II) 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.
- III) 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:

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

Final requirments:

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

