

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 *indicated networks*, use only minimum ip's needed (VLSM). In the solution, please present ip's allocation for each equipment.
- III) The connectivity will be assured using dynamic routing protocol (*specified in topology*). For central zone can be used dynamic or static routing. It is necessary to have connectivity between each device.

ACL requirements:

- I) On each server activate the indicated service specified in topology.
- II) Filter the traffic such that only the packets that will include the specified services will be 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 requirements:

- I) (*Recommendation*) 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