# Practice SSC

*Requirements (please consider N=...)*

I) Chose one router (mark him in network) from topology and implement the standard configuration (**1p**).

II) It will be used *ip*'s from networks (use only *minimum ip* needed) (**1.5p**):
   a) **Fronted**: **11.0.N.0/26**
   b) **Backend**: **15.16.N.64/26**
   c) **Extern**: **18.10.N.32/27**
   d) **Guests: 12.16.N.0/24**
   e) **VPN: 84.84.N.0/28**

III) The connectivity will be assured using dynamic routing protocol (**2p**):
   a) **Fronted**: **EIGRP**
   b) **Backend**: **RIPv2**
   c) **Extern**: **OSPF**
   d) **VPN: static**

IV) **VPN**: the connectivity between *HomePC* and *WorkPC* will use a VPN tunnel (the traffic will be hidden in external networks) (**1.5p**).

V) **Wireless**: the wireless network will be WPA2 Enterprise and for the authentication use the *AAA_Server*. The access for the *Guest2* device will be restricted (**1.5p**).

VI) **ACL**: Add ACL rules such that (**1.5p**):
   a) All web traffic between *STORAGE* and *APPS* are permitted;
   b) Only the *WorkPC* can establish a ssh connection to the servers;
   c) The *HomePC* will be restricted to access *AAA_Server* **network**.
   d) It will be connectivity between all networks.