

Task 4.4.8

In this task we need to configure one router and one switch for using SSH connection by them. You can see how I configured ip-address for PCA-PC (sc.1), and then make configuration of RTA-router (sc.2). First I did is seted hostname and editing ip address from addressing table to g0/0/0 interface and enable it. Then I enabled password encryption and set minimal length for it. Then I seted password and disabled DNS lookup and seted domain name for router. I generated RSA key, and configured blocking from bruteforce, then configured vty line (for ssh connections). I saved all this configs to startup-config and goed to cmd of PCA-PC and connected to device by ssh (sc.3). Next I did is connected PCA-PC console port to SW1-switch. Configuring of it is not have changes by I did before. You can see all of it on (sc.5) and (sc.5).

The screenshot displays the Cisco Packet Tracer interface. On the left, the 'Addressing Table' is shown:

Device	Interface	IP Address	Subnet Mask	Default Gateway
RTA	G0/0/0	172.16.1.1	255.255.255.0	N/A
PCA	NIC	172.16.1.10	255.255.255.0	172.16.1.1
SW1	VLAN 1	172.16.1.2	255.255.255.0	172.16.1.1

Below the table, the 'Scenario' and 'Instructions' sections are visible. The instructions include steps for configuring IP addressing, hostname, password encryption, and SSH on the RTA router.

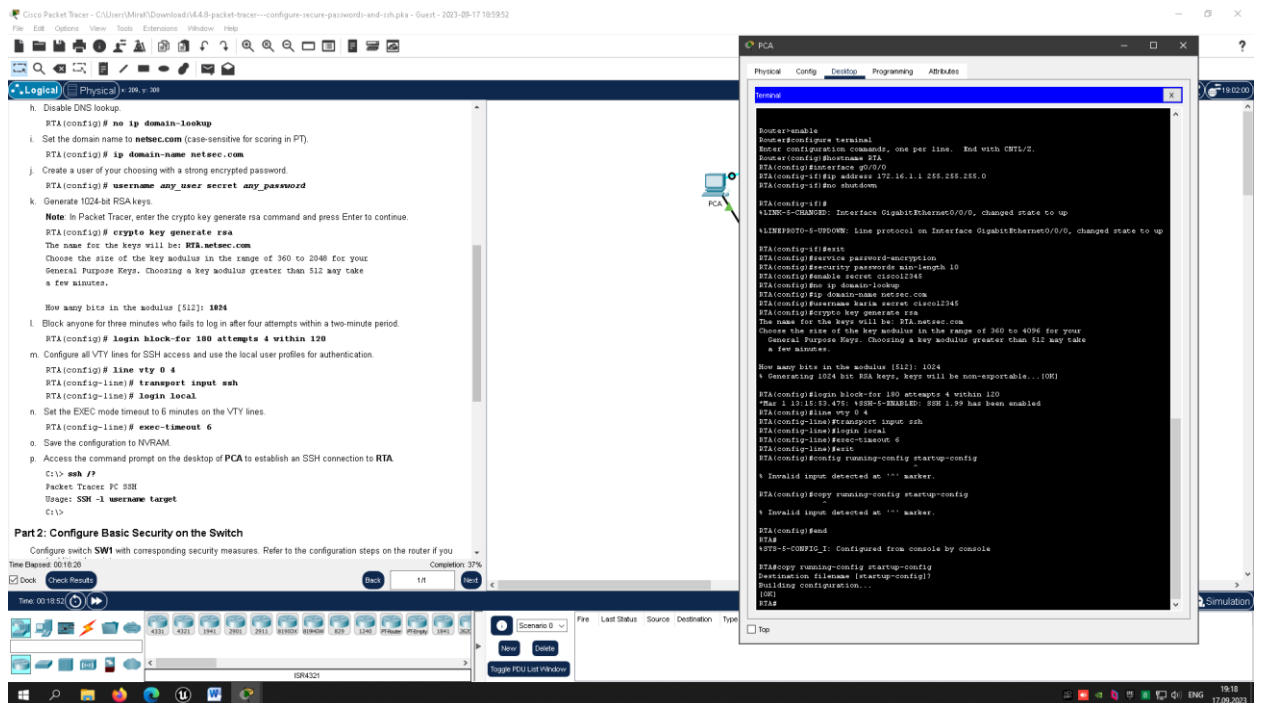
On the right, the 'Configuration' window for the RTA router is open, showing the 'IP Configuration' tab. The 'Static' IP configuration is set for the 'FastEthernet0/0' interface with the following values:

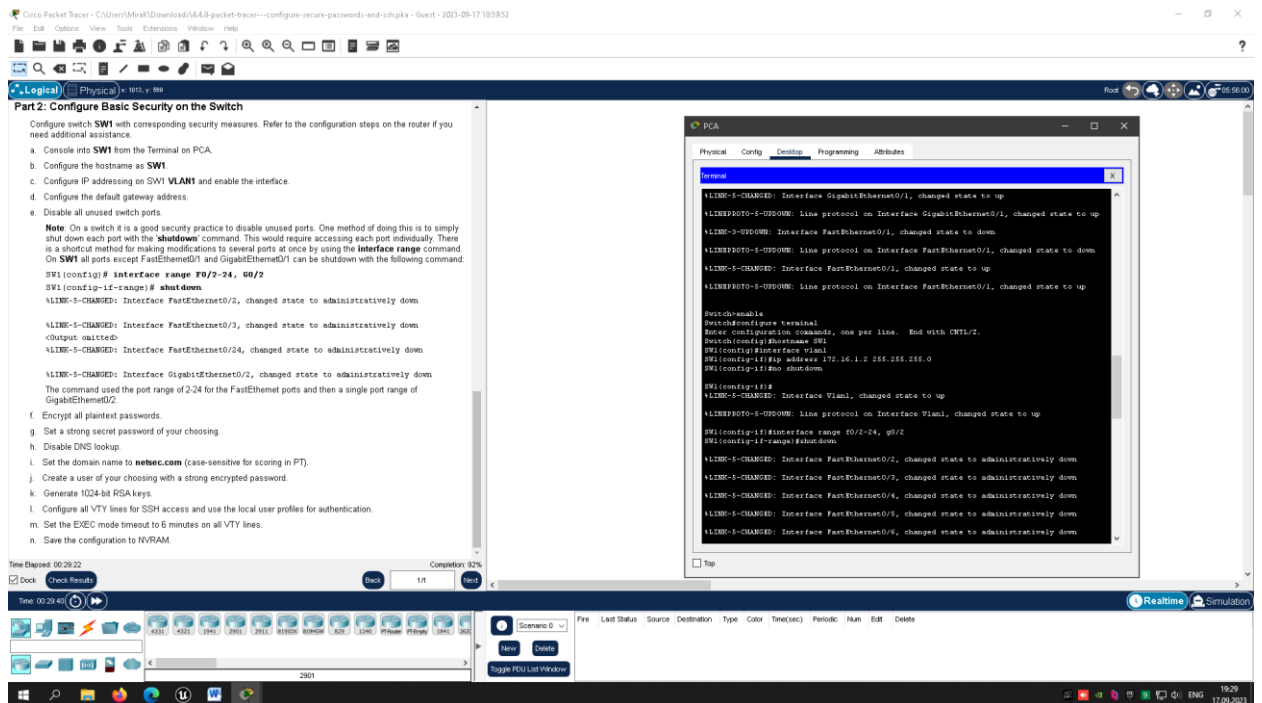
- IPv4 Address: 172.16.1.10
- Subnet Mask: 255.255.255.0
- Default Gateway: 172.16.1.1
- DNS Server: 0.0.0.0

The 'IPv6 Configuration' tab is also visible, showing a static IPv6 address of FE80:2D4:9AFF:FE54:227D.

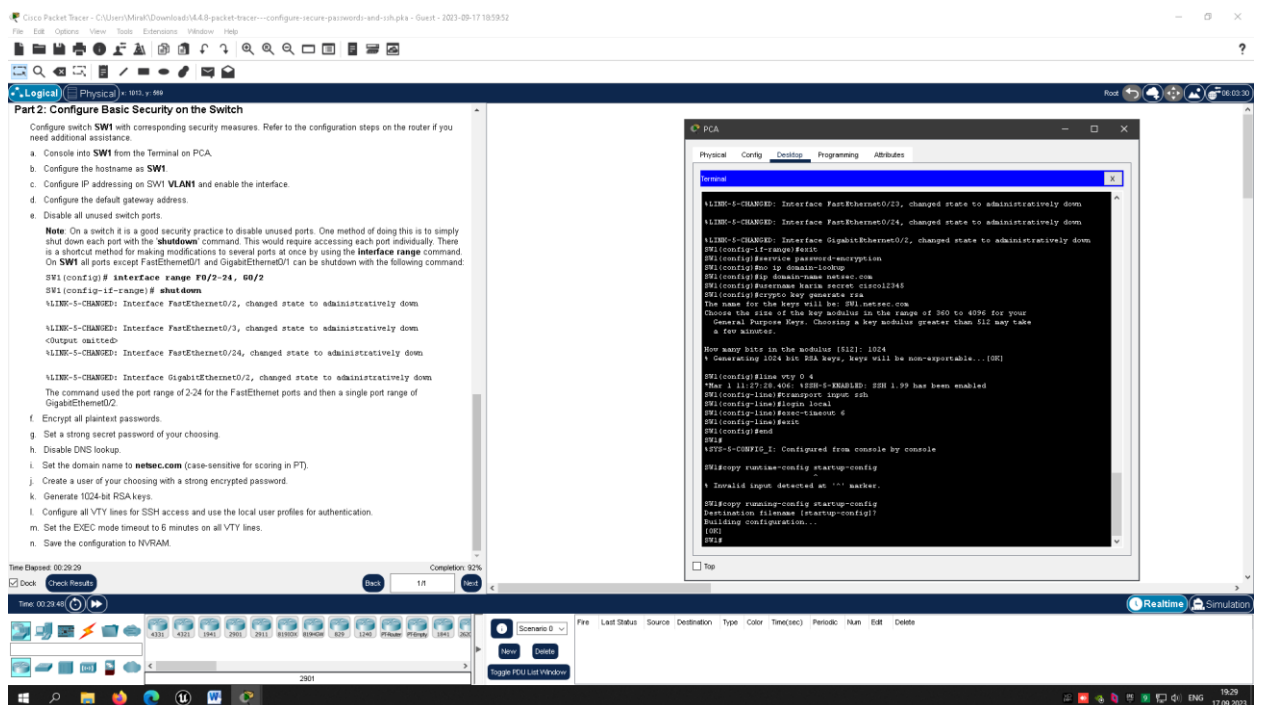
The network diagram at the top shows the physical connections between the PCA PC, RTA router, and SW1 switch.

Screenshot 1





Screenshot 4



Screenshot 5

Task 3

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