МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ   
РОССИЙСКОЙ ФЕДЕРАЦИИ

Федеральное государственное автономное образовательное учреждение

высшего образования

«КРЫМСКИЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ им. В. И. ВЕРНАДСКОГО»

ФИЗИКО-ТЕХНИЧЕСКИЙ ИНСТИТУТ

Кафедра компьютерной инженерии и моделирования

**Packet Tracer: веб-серверы и почтовые серверы. Configure Cisco Routers for Syslog, NTP, and SSH Operations**

Отчет по лабораторной работе № 11

по дисциплине «Компьютерные сети»

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Направления подготовки 09.03.04«Программная инженерия»

Симферополь, 2025

Version:1.0 StartHTML:0000000107 EndHTML:0000045379 StartFragment:0000000127 EndFragment:0000045361

**Packet Tracer - Web and Email**

**Objectives**

**Part 1: Configure and Verify Web Services**

**Part 2: Configure and Verify Email Services**

**Background**

In this activity, you will configure web and email services using the simulated server in Packet Tracer. You will then configure clients to access the web and email services.

**Note**: Packet Tracer only simulates the process for configuring these services. Web and email software packages each have their own unique installation and configuration instructions.

**Part 1:     Configure and Verify Web Services**

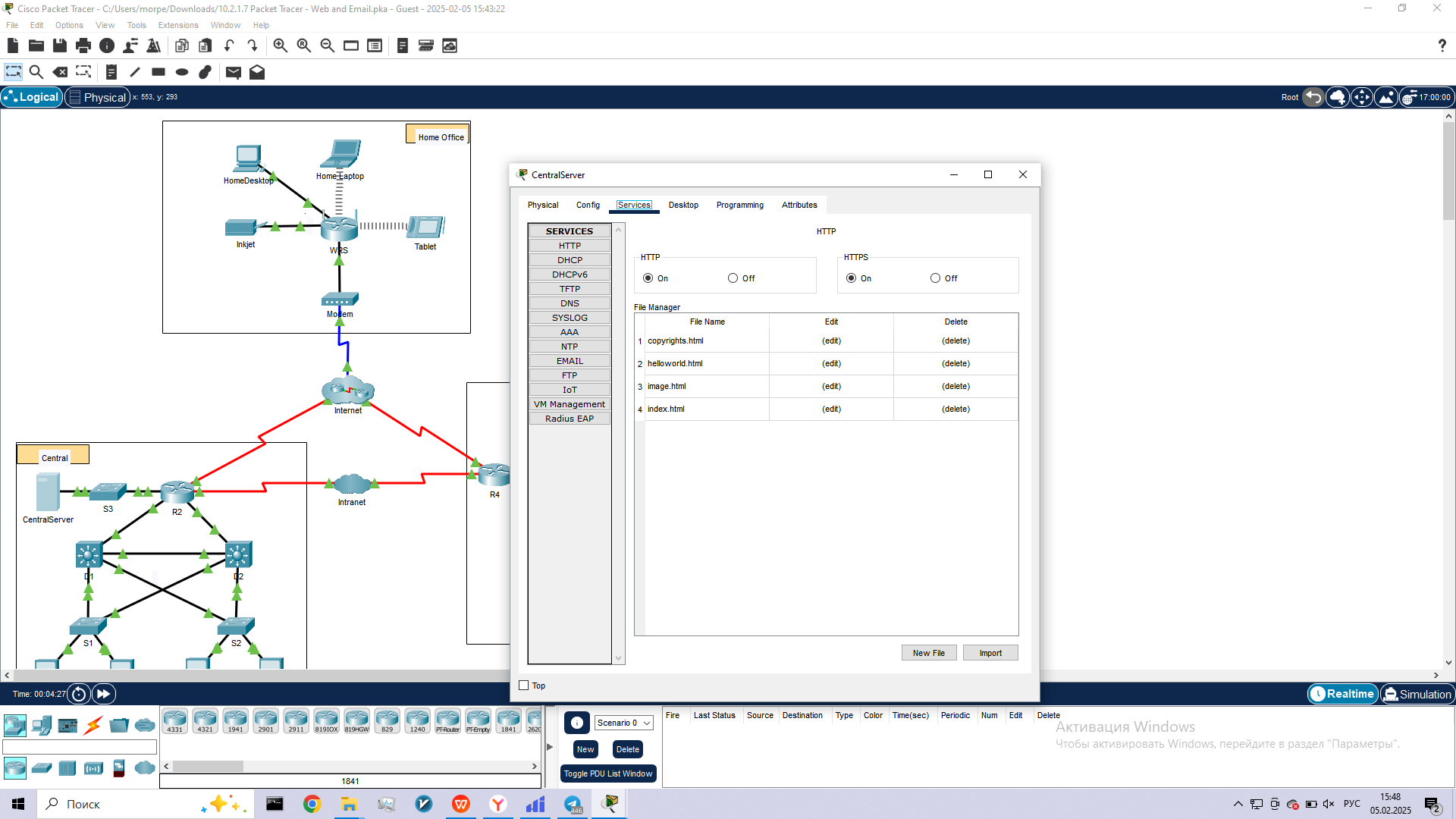
**Step 1:     Configure web services on CentralServer and BranchServer.**

a.     Click **CentralServer** and click the **Services** tab > **HTTP**.

b.    Click **On** to enable HTTP and HTTP Secure (HTTPS).

c.     Optional. Personalize the HTML code.

d.    Repeat Step1a – 1c on **BranchServer**.



**Step 2:     Verify the web servers by accessing the web pages.**

There are many endpoint devices in this network, but for the purposes of this step, use **PC3**.

a.     Click **PC3** and click the **Desktop**tab > **Web Browser**.

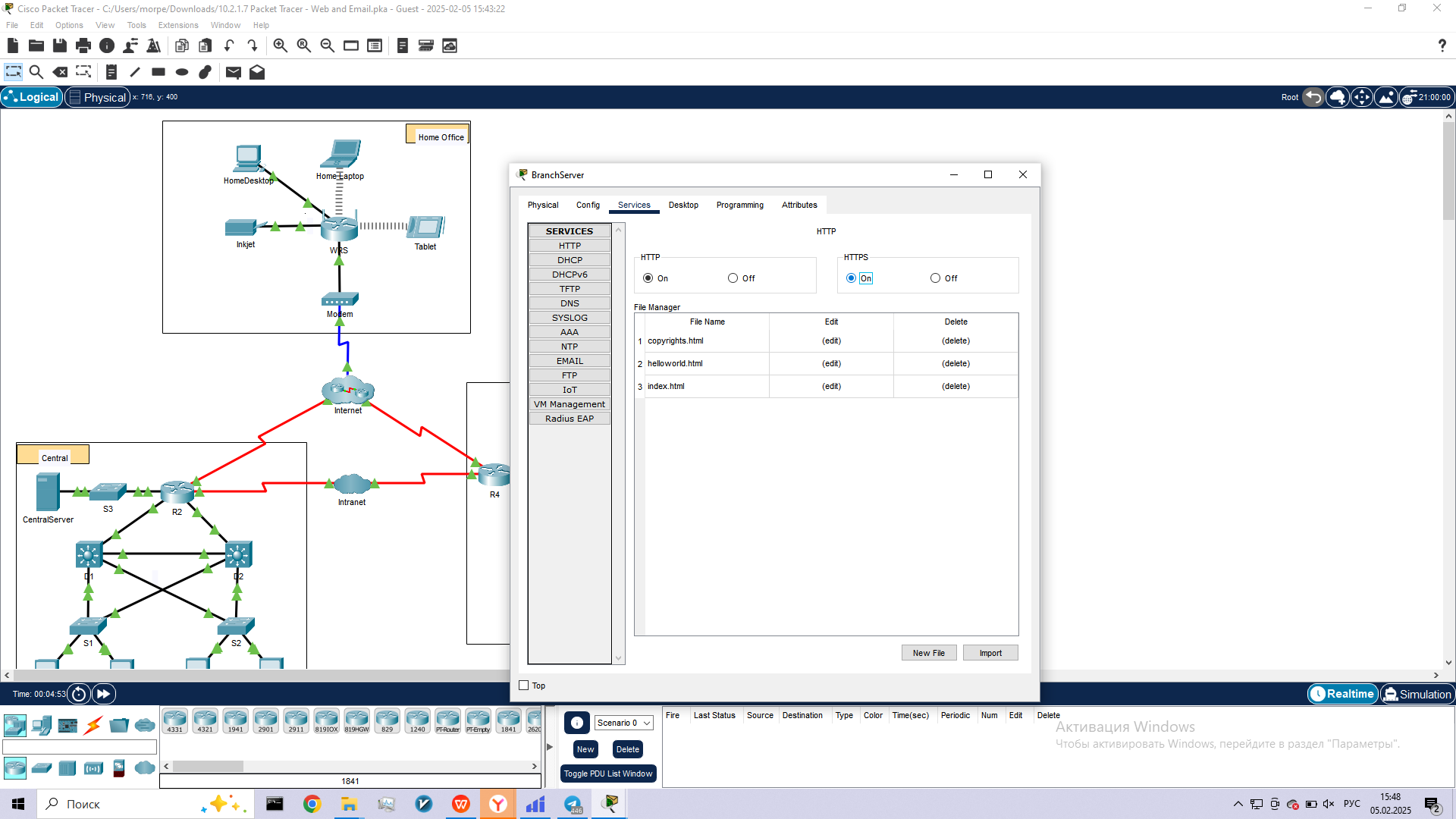
b.    In the URL box, enter **10.10.10.2** as the IP address and click **Go**. The **CentralServer** website displays.

c.     In the URL box, enter **64.100.200.1** as the IP address and click **Go**. The **BranchServer** website displays.

d.    In the URL box, enter **centralserver.pt.pka** and click **Go**. The **CentralServer** website displays.

e.     In the URL box, enter **branchserver.pt.pka** and click **Go**. The **BranchServer** website displays.

f.     What protocol is translating the **centralserver.pt.pka** and **branchserver.pt.pka** names to IP addresses?



**Part 2:     Configure and Verify Email Services on Servers**

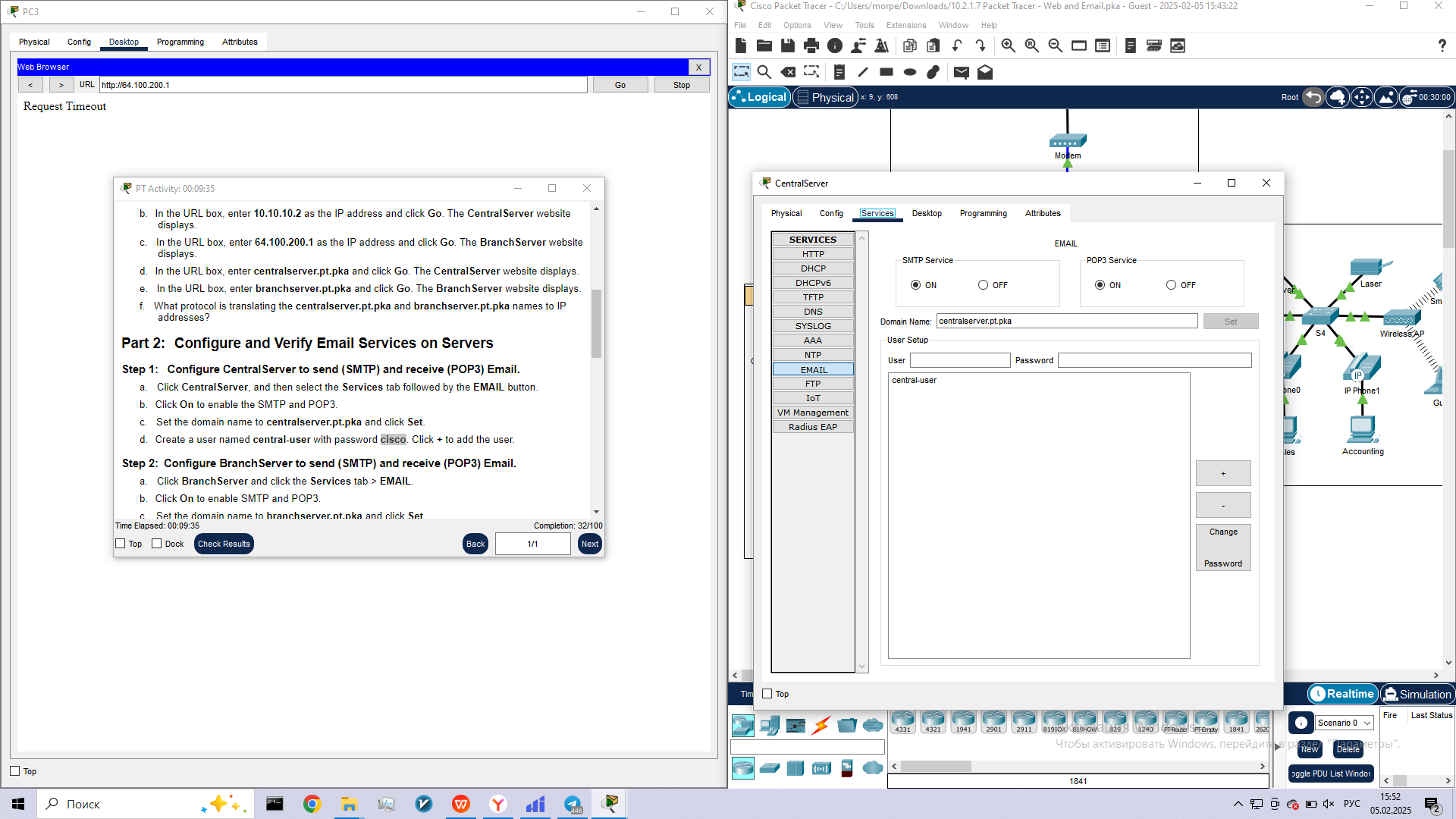
**Step 1:     Configure CentralServer to send (SMTP) and receive (POP3) Email.**

a.     Click **CentralServer**, and then select the **Services** tab followed by the **EMAIL** button.

b.    Click **On** to enable the SMTP and POP3.

c.     Set the domain name to **centralserver.pt.pka** and click **Set**.

d.    Create a user named **central-user** with password **cisco**. Click **+** to add the user.



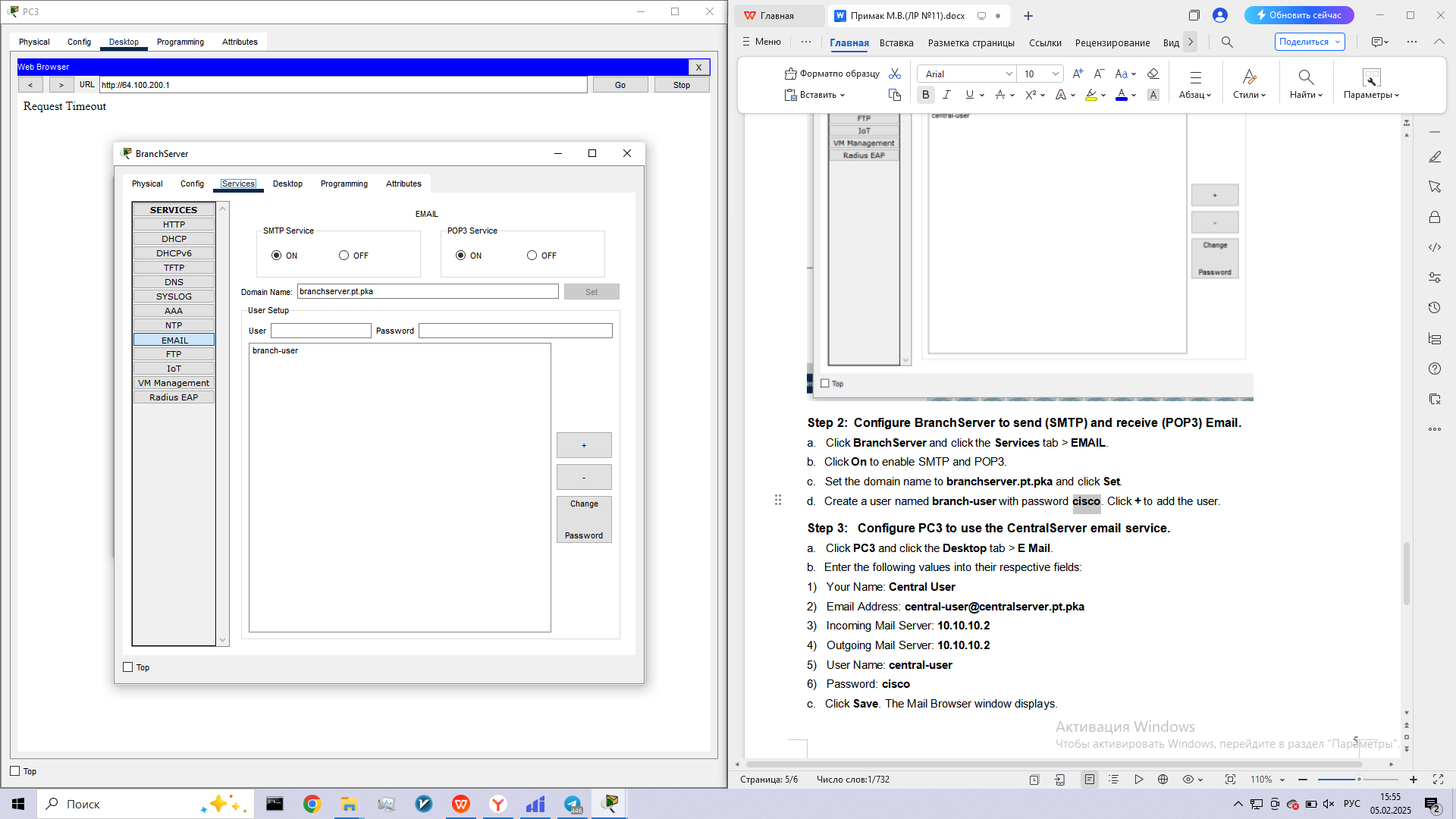
**Step 2:   Configure BranchServer to send (SMTP) and receive (POP3) Email.**

a.     Click **BranchServer** and click the **Services** tab > **EMAIL**.

b.    Click **On** to enable SMTP and POP3.

c.     Set the domain name to **branchserver.pt.pka** and click **Set**.

d.    Create a user named **branch-user** with password **cisco**. Click **+** to add the user.



**Step 3:     Configure PC3 to use the CentralServer email service.**

a.     Click **PC3** and click the **Desktop**tab > **E Mail**.

b.    Enter the following values into their respective fields:

1)     Your Name: **Central User**

2)     Email Address: **central-user@centralserver.pt.pka**

3)     Incoming Mail Server: **10.10.10.2**

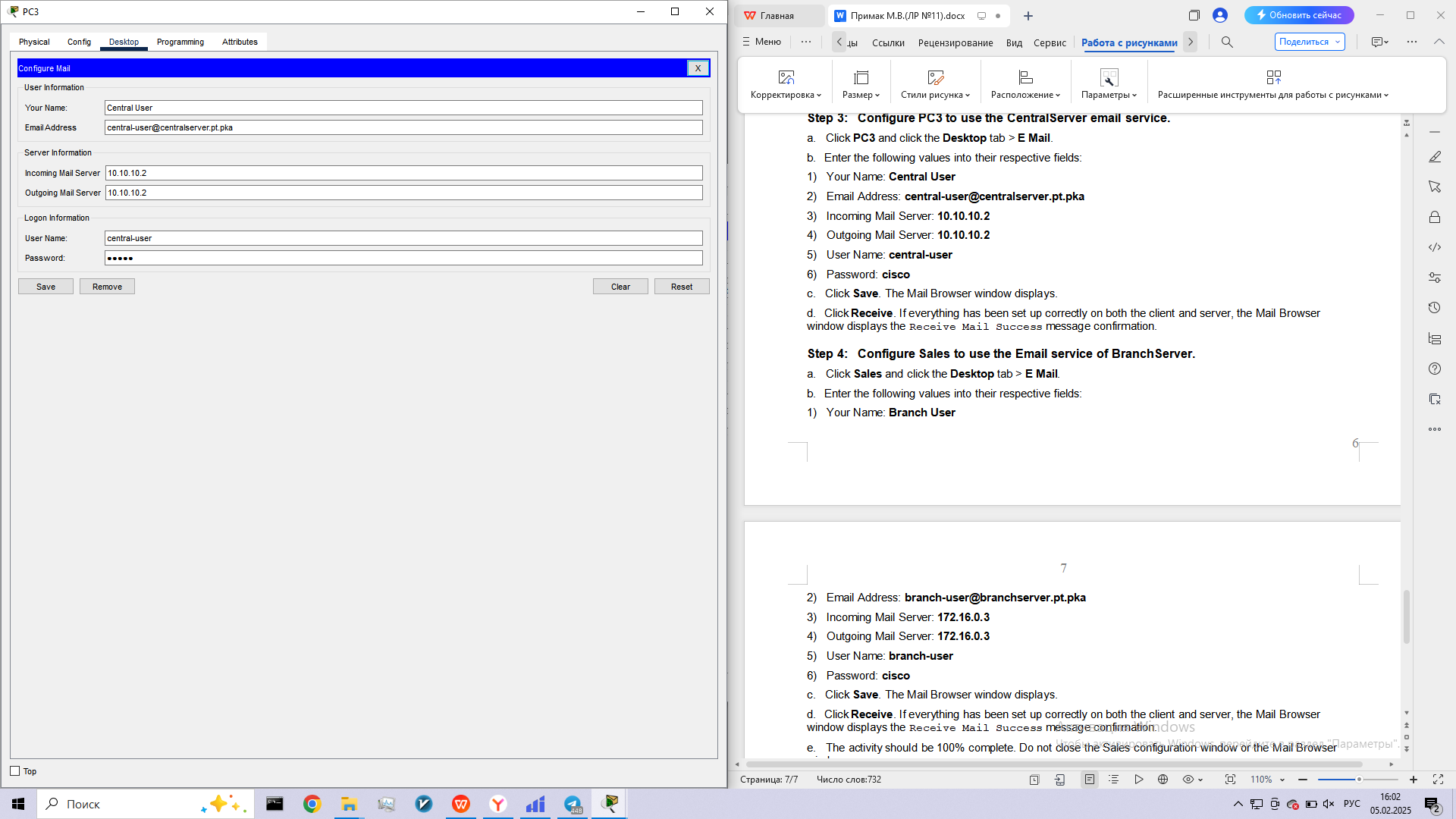
4)     Outgoing Mail Server: **10.10.10.2**

5)     User Name: **central-user**

6)     Password: **cisco**

c.     Click **Save**. The Mail Browser window displays.

d.    Click **Receive**. If everything has been set up correctly on both the client and server, the Mail Browser window displays the Receive Mail Success message confirmation.



**Step 4:     Configure Sales to use the Email service of BranchServer.**

a.     Click **Sales** and click the **Desktop**tab > **E Mail**.

b.    Enter the following values into their respective fields:

1)     Your Name: **Branch User**

2)     Email Address: **branch-user@branchserver.pt.pka**

3)     Incoming Mail Server: **172.16.0.3**

4)     Outgoing Mail Server: **172.16.0.3**

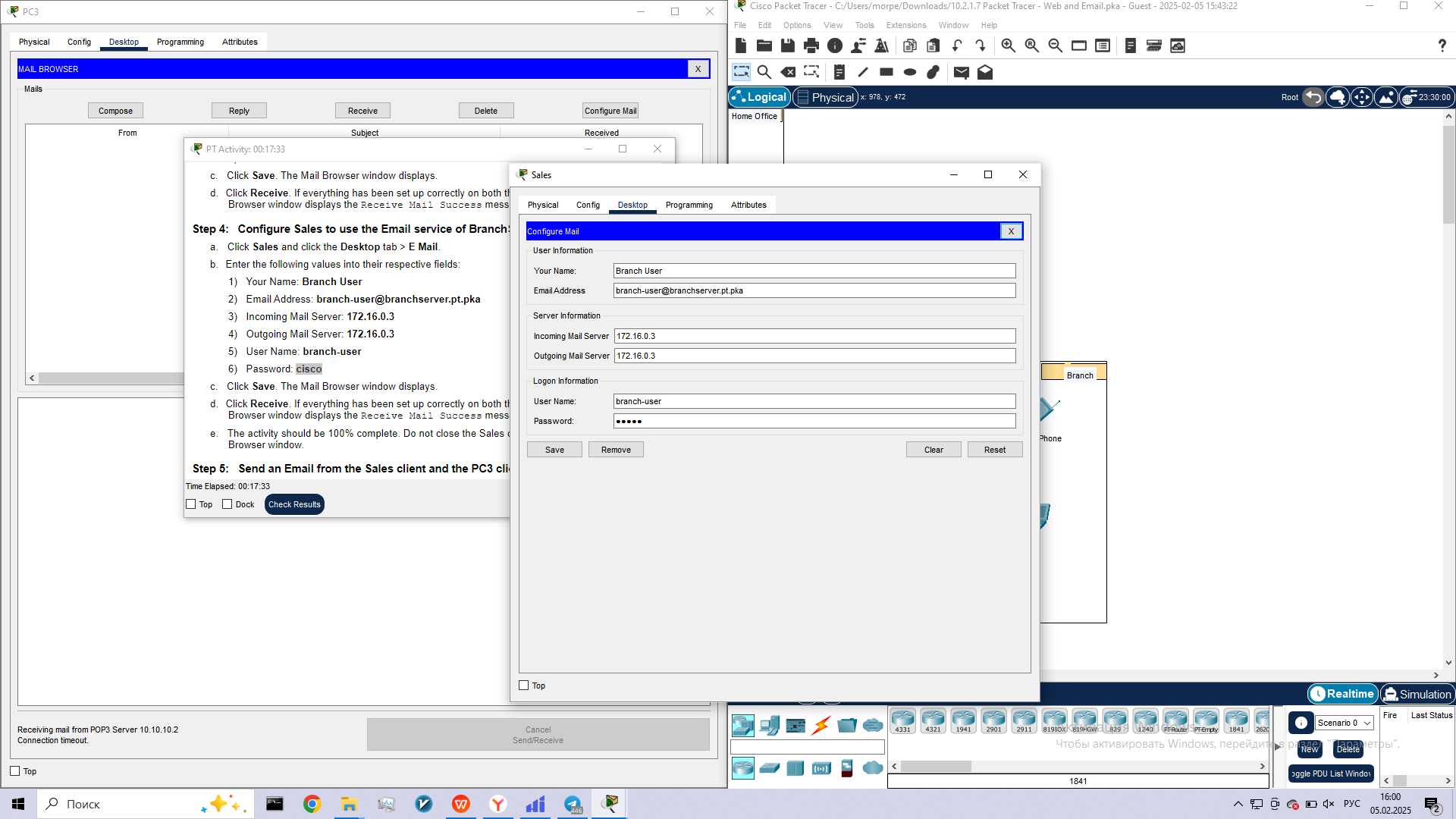
5)     User Name: **branch-user**

6)     Password: **cisco**

c.     Click **Save**. The Mail Browser window displays.

d.    Click **Receive**. If everything has been set up correctly on both the client and server, the Mail Browser window displays the Receive Mail Success message confirmation.

e.     The activity should be 100% complete. Do not close the Sales configuration window or the Mail Browser window.



**Step 5:     Send an Email from the Sales client and the PC3 client.**

a.     From the **Sales** **Mail Browser** window, click **Compose**.

b.    Enter the following values into their respective fields:

1)     To: **central-user@centralserver.pt.pka**

2)     Subject: *Personalize the subject line*.

3)     **Email** Body: *Personalize the email*.

c.     Click **Send**.

d.    Verify that **PC3** received the email. Click **PC3**. If the Mail Browser window is closed, click **E Mail**.

e.     Click **Receive**. An email from Sales displays. Double-click the email.

f.     Click **Reply**, personalize a response, and click **Send**.

g.    Verify that **Sales**received the reply.

