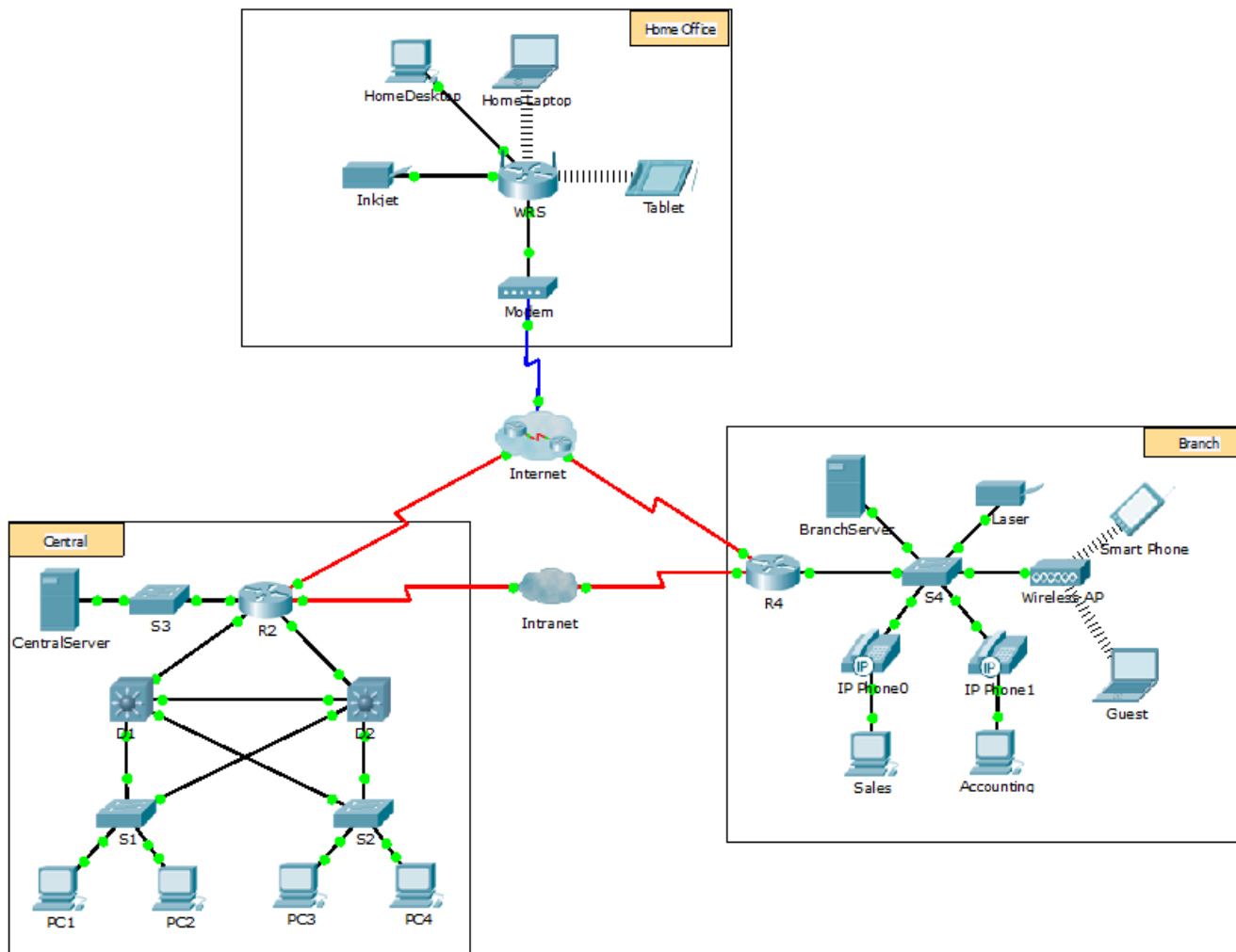# Packet Tracer - Web and Email Servers

## Topology



## Objectives

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

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

## Background

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

**Note:** Packet Tracer only simulates the process for configuring these services. HTTP 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 **Config** 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 **Config** 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 **Config** 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.