CSIS 330 – Lab 13: Packet Tracer

Web and Email Servers

*[Activity from Cisco Networking Academy Lab Packet Tracer Activity 10.2.1.8 ]*

**This entire exercise comes from the Cisco Networking Academy.**

**Background:**

This Packet Tracer is a pre-programmed activity that includes embedded instructions as well as a partially built topology. Using the instructions that are embedded in the Packet Tracer, you will you will configure HTTP and email services using the simulated server. You will then configure clients to access the HTTP and email services.

Because this Packet Tracer activity is part of the Cisco Networking Academy’s curriculum, there are differences between the point values reflected in the instructions and the actual points you can earn for this assignment in this class. Refer to the rubric in Blackboard for the number of points allocated to each task in this lab.

**Assignment Instructions:**

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

To complete the Part 1 of this lab, refer to the instructions that are embedded within the Packet Tracer file.

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

Part 2 of the embedded instructions requires you to perform activities in Packet Tracer that can only be graded by submitting screen shots of your results. To help you to know when to take screen shots, Part 2 is reproduced below with instructions regarding what screens to capture.

NOTE: There is a question in part 1 in the instructions, but you do **not** have to answer it in this assignment. It is intended to make you think about how the protocols at every layer function to deliver a packet from point A to point B in a network.

***[A Word template is also provided for your answers and screen shots.]***

**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.

**Take a screen shot of your output and paste it into the appropriate section (Screenshot #1) of the Word Answer Template provided.**

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

g.    Verify that **Sales**received the reply by going into the Sales email client and clicking **Receive**.

**Take a screen shot of your output and paste it into the appropriate section (Screenshot #2) of the Word Answer Template provided.**

**Final Steps:**

**Save your Packet Tracer file using the naming convention use for this class:**

[your first initial + your last name] + “\_Lab13” (do not include the quotation marks)

For example, Joe Smith will save his file for this lab using the filename “JSmith\_Lab13”.

**Save your Template**

Save your Answer Template using the convention of [your first initial] + [your last name] + “\_Lab13”.

For example: Joe Smith will save his file template as JSmith\_Lab13.doc .

**Deliverables**: **Submit your assignment by attaching your Packet Tracer file and your Answer Template to the appropriate assignment link in Blackboard. Both files must be uploaded to receive full credit for this assignment.**