Per Scholas

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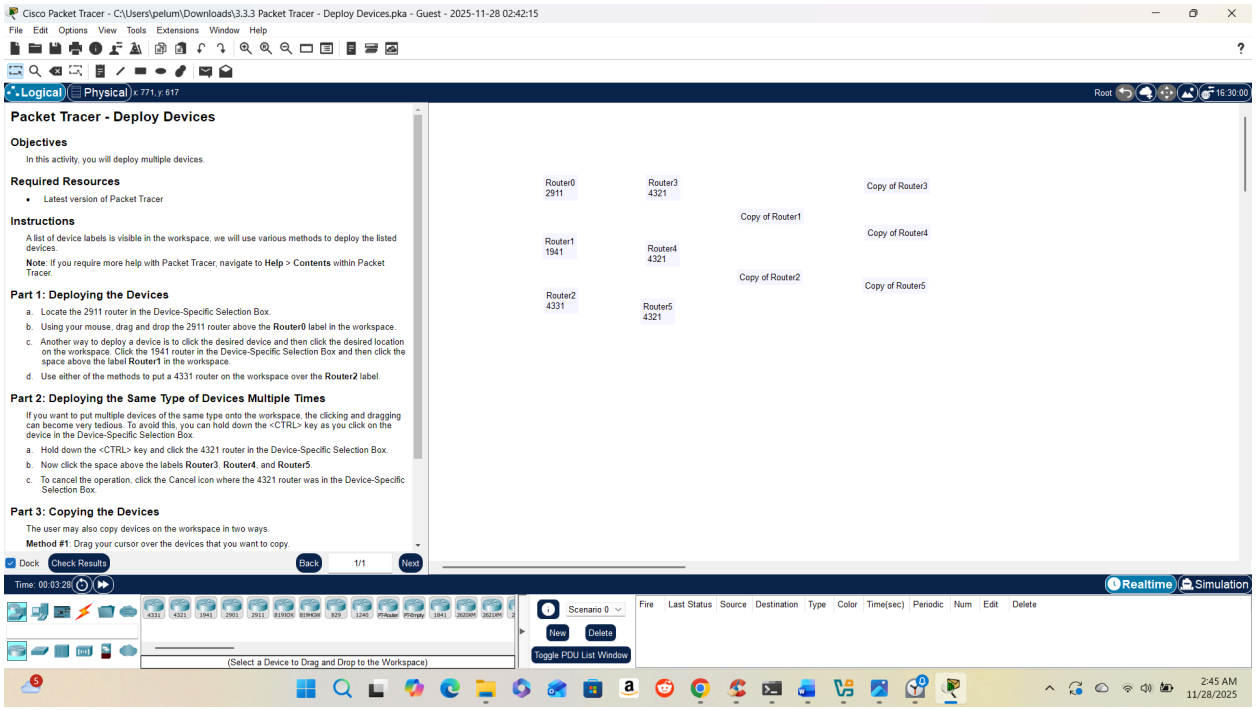
Date: 11/26/2025
Course / Platform: Cisco Packet Tracer

Project Overview

This project demonstrates foundational networking skills using Cisco Packet Tracer. I worked with multiple router models inside a virtual environment and practiced placing devices accurately, duplicating them efficiently, and maintaining a clean and organized network layout. These steps reflect real-world tasks in IT support and cybersecurity, where engineers design topologies, test configurations, and document the results.

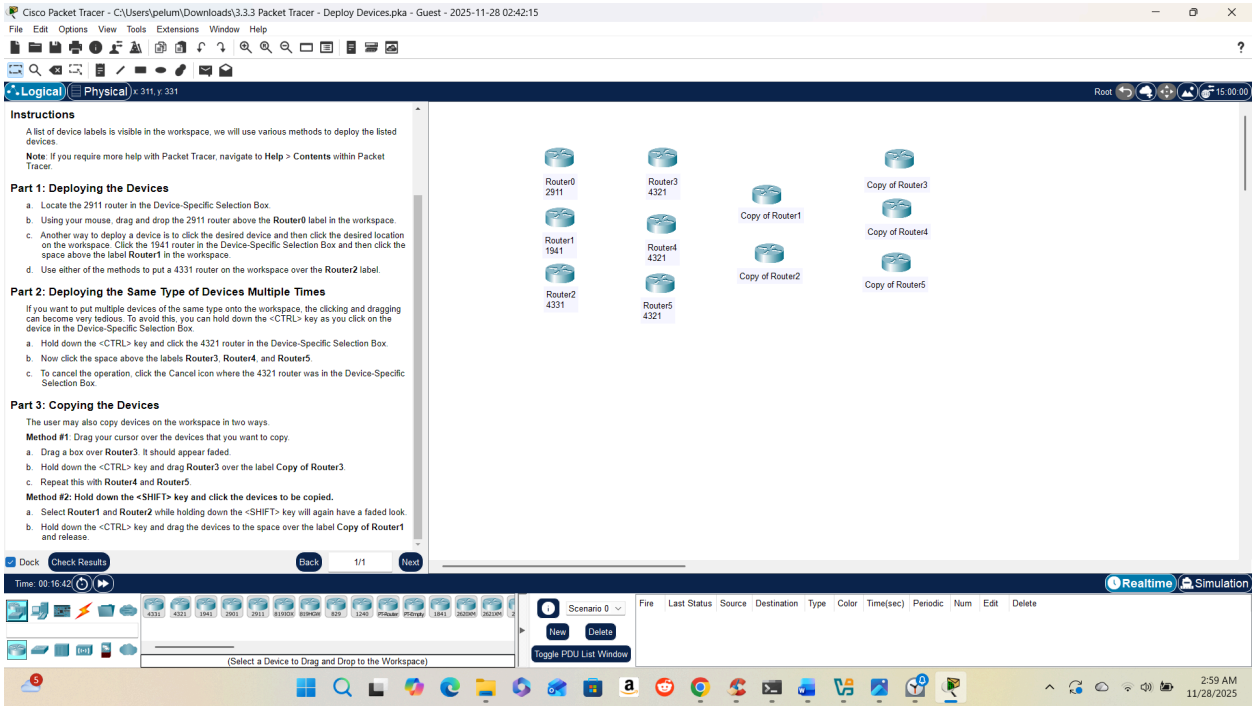
Objective

The activity focused on learning how to position routers in the Logical workspace, deploy multiple devices quickly, and copy existing devices to match a network design. It also helped strengthen my familiarity with Packet Tracer's tools and layout.



Tools & Environment

Cisco Packet Tracer was used for this lab in the Logical workspace. The router models involved included the 2911, 1941, 4331, and 4321.



Project Steps

1. Deploying the Initial Devices

I began by placing the required routers into the workspace. I positioned the 2911 router above “Router0,” followed by the 1941 router above “Router1,” and the 4331 router above “Router2.” This step reinforced accuracy in selecting the correct devices and placing them exactly where they belonged.

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2. Rapid Deployment of Identical Devices

Next, I deployed several routers of the same model by using the CTRL key. I selected the 4321 router and clicked above the labels “Router3,” “Router4,” and “Router5,” placing

each device instantly. This method made it easier to deploy multiple identical devices quickly, which is useful when building larger network topologies.

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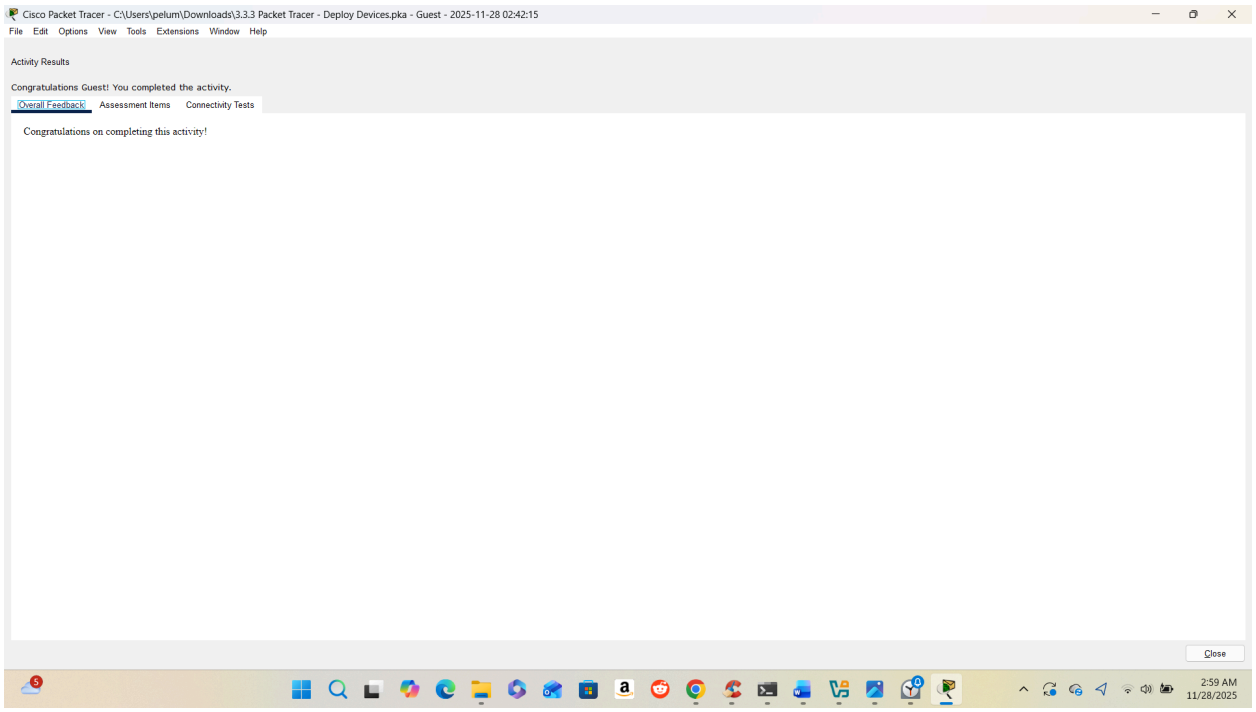
3. Copying Existing Devices

I then practiced copying routers already in the workspace. I highlighted Router3, held **CTRL**, and dragged it to “Copy of Router3” to create a duplicate. I also used SHIFT to select multiple routers at once and duplicated them together. This reflects real scenarios where engineers need to replicate parts of a topology for scaling, testing, or redesigning.

Skills Demonstrated

Throughout this activity, I strengthened my ability to navigate Packet Tracer, place devices with accuracy, deploy multiple routers quickly, and copy existing devices using selection tools. I also improved my understanding of different Cisco router models and how to maintain a clean, organized network layout.



Lessons Learned

- I learned how to deploy routers more efficiently using Packet Tracer's placement tools.
- I became more confident navigating the Logical workspace and selecting devices with precision.
- I gained experience copying and organizing devices in a way that reflects real network engineering tasks.
- This activity helped strengthen foundational skills needed in IT support, networking, and cybersecurity environments.