# Final Case Study | Network Automation and Programmability

## Objectives

**Part 1**. Design a laboratory activity that discusses the three network topics excluding basic configuration, IP address, and show commands regarding network automation or network programmability.

**Part 2.** Use pyATS to test your network.

**Part 3**. Submit a laboratory activity documentation and video presentation of the FINAL CASE STUDY. Make sure that the CAMERA is ON when recording your video presentation.

**Part 4**. Create a GitHub repository of the FINAL CASE STUDY. Make sure to submit all codes, documentation, and video representation.

**Part 5**. Submit the link of your GitHub repository

## Required Resources

- 1 PC with operating system of your choice
- Packet Tracer

## Instructions

**Part 1: Design a laboratory activity that discusses the three network topics excluding basic configuration, IP address, and show commands regarding network automation or network programmability.**

| | Ip Address | Subnet Mask |
|---|---|---|
| **R1** | **192.168.1.2** | **255.255.255.0** |
| **R2** | **192.168.2.2** | **255.255.255.0** |
| **R3** | **s0/1/0 192.168.1.1**<br>**s0/1/1 192.168.2.1** | **255.255.255.0** |
| **SWR1** | **192.168.102.2** | **255.255.255.0** |
| **SWL1** | **192.168.101.2** | **255.255.255.0** |
| **Server PT** | **192.168.101.100** | **255.255.255.0** |
| **Network Controller** | **192.168.101.1** | **255.255.255.0** |

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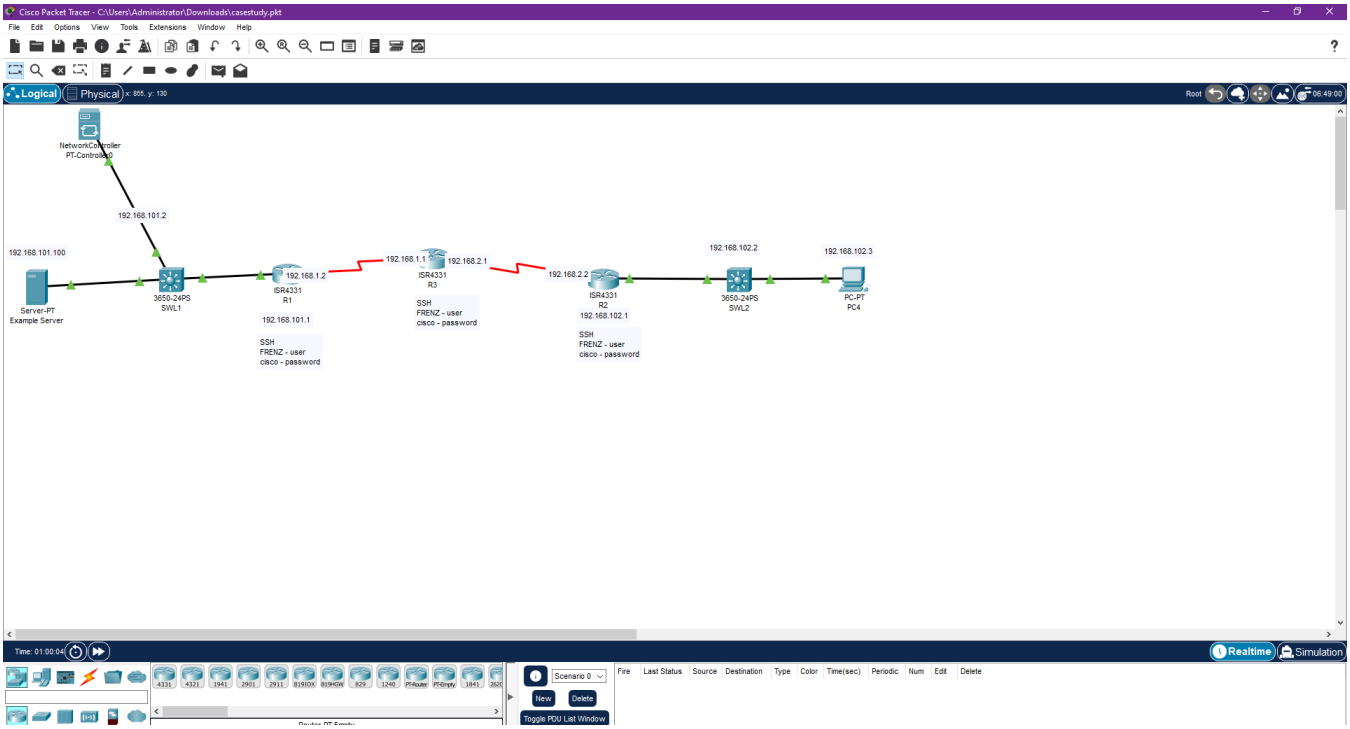
| PC | 192.168.102.3 | 255.255.255.0 |
|---|---|---|




**Part 2: Use pyATS to test your network**

**Part 3: Submit a laboratory activity documentation and video presentation of the FINAL CASE STUDY. Make sure that the CAMERA is ON when recording your video presentation.**

**Part 4: Create a GitHub repository of the FINAL CASE STUDY. Make sure to submit all codes, documentation, and video representation.**

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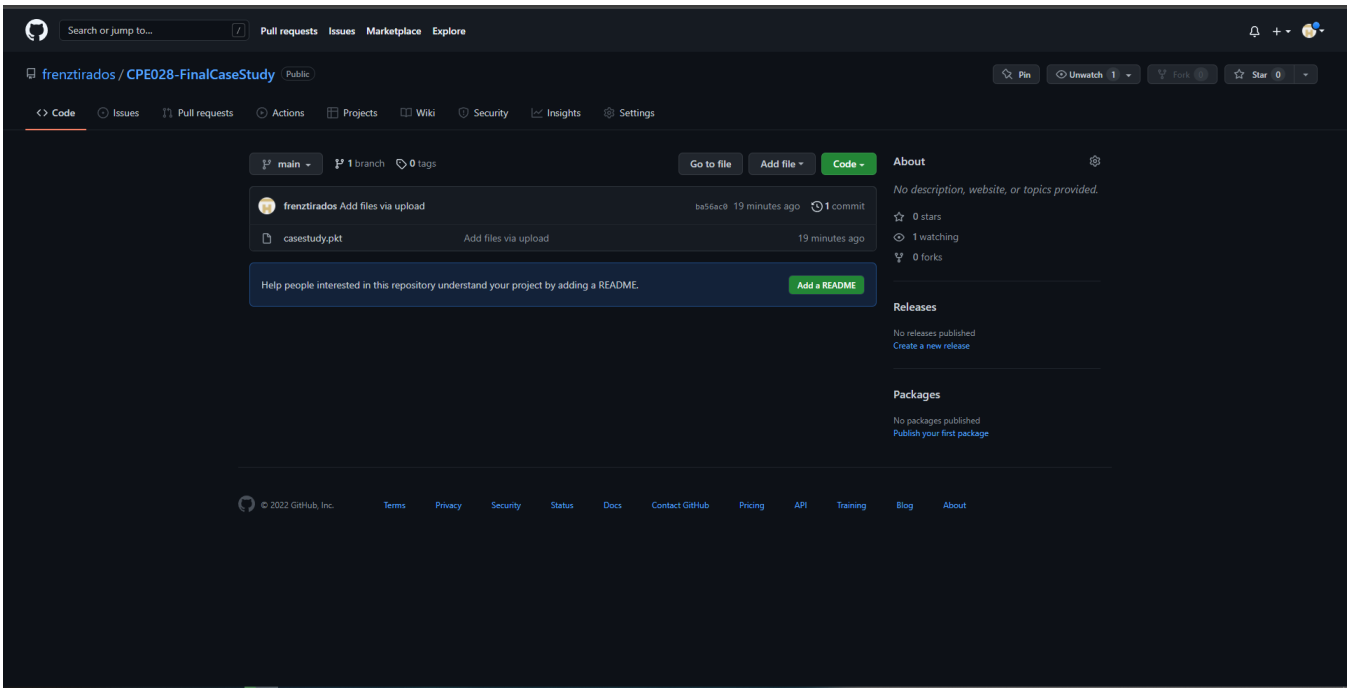


## Part 5: Submit the link of your GitHub repository

[frenztirados/CPE028-FinalCaseStudy (github.com)]

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