

TTM4240 Lab Assignment 1

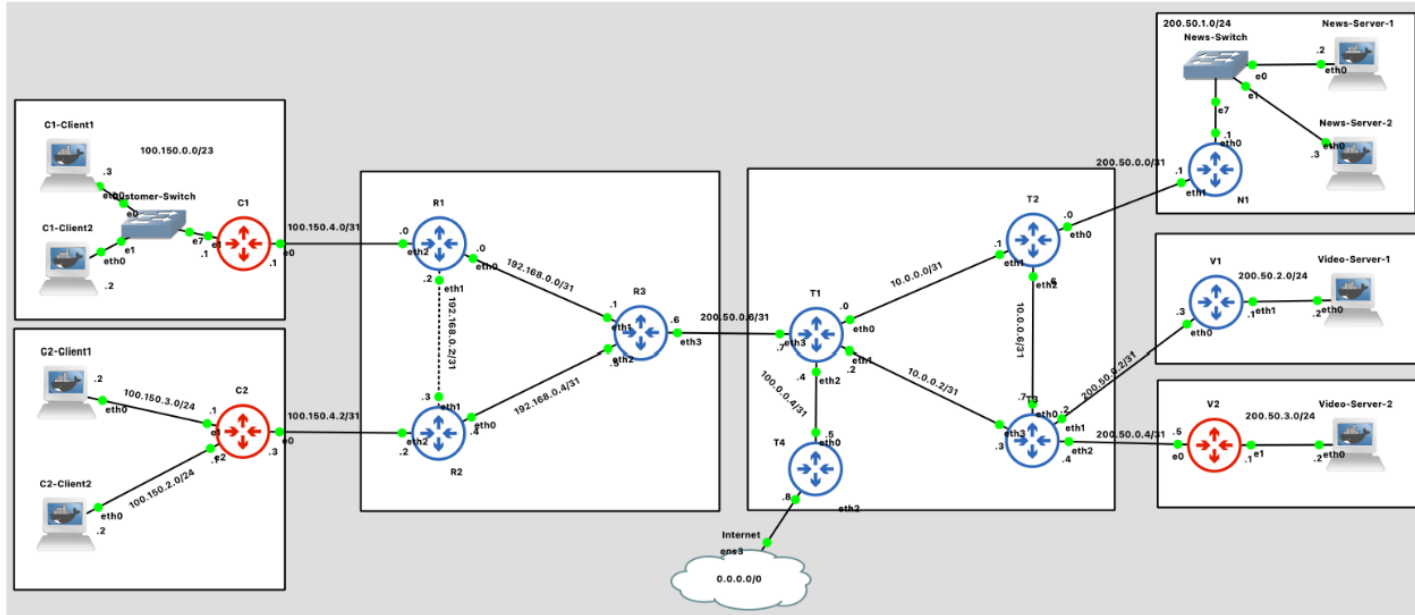
17/08/2026

Agenda

- Assignment walk-through
- A brief intro to the wiki
- Introduction to GNS3 and basic commands

Lab 1 – Warm-up

- Familiarise with the basics of network configuration via bughunt-style challenges



Lab Assignment 1 - Walkthrough

- Part 1: Debugging
 - Find 8 bugs and fix them
- Part 2: Forensics
 - Familiarize with the configuration
 - Deduce contextual information from the config
- Grading: 4 tasks
 - Upload the fixed topology → 4 points
 - Provide a self-contained, reflective report → 6 points

Deadline: 3rd of September 11:59 PM - Submission via Canvas

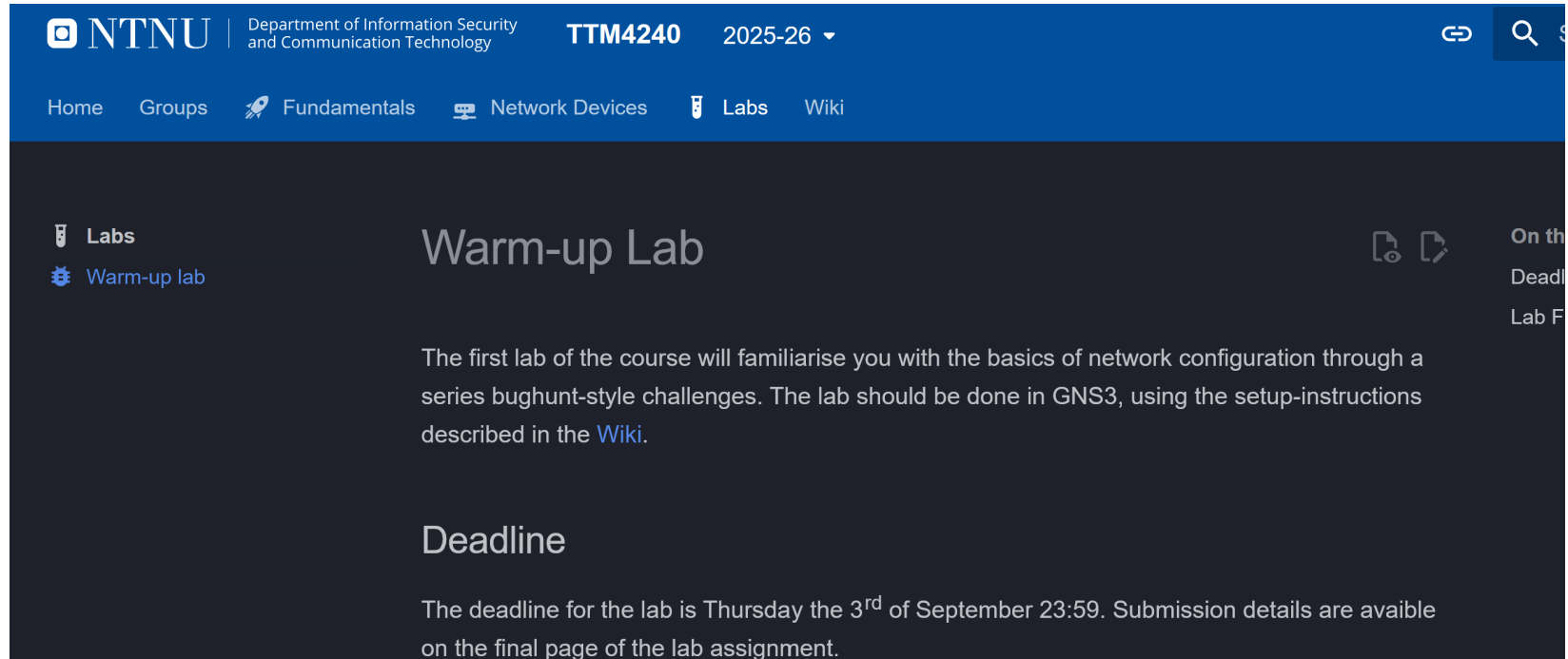
GNS3

- On your VM a headless GNS3 is installed containing different device flavours
- Useful commands are posted in the Wiki: <https://ttm4240.iik.ntnu.no/latest/wiki/Setup/>
- *Canvas → Lab → Video Demonstration on how to use GNS3 and basic commands*

Command	Short form	Explanation
configure terminal	conf t	Enter the configuration mode
show running config	show run	Show the current configuration
write	wr	Write/save the configuration
exit	ex	Exits the current mode layer

TTM4240 Lab Webpage

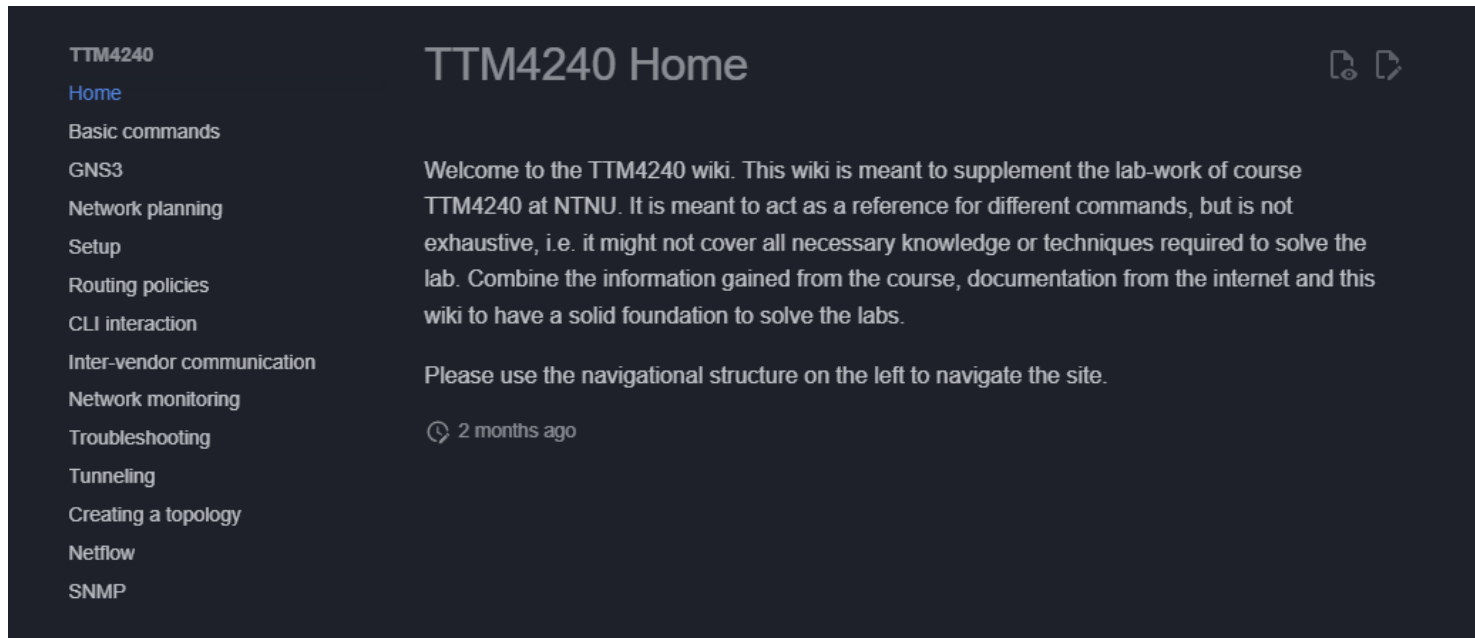
- <https://ttm4240.iik.ntnu.no/latest/labs/warm-up-lab/>



The screenshot displays the TTM4240 Lab Webpage. The top navigation bar is blue and contains the NTNU logo, the department name 'Department of Information Security and Communication Technology', the course code 'TTM4240', and the semester '2025-26'. Below this is a secondary navigation bar with links for 'Home', 'Groups', 'Fundamentals', 'Network Devices', 'Labs', and 'Wiki'. The main content area has a dark background. On the left, there is a sidebar with 'Labs' and 'Warm-up lab' links. The central part of the page features the title 'Warm-up Lab' and a paragraph stating: 'The first lab of the course will familiarise you with the basics of network configuration through a series bughunt-style challenges. The lab should be done in GNS3, using the setup-instructions described in the [Wiki](#).' Below this, the section 'Deadline' is shown, with the text: 'The deadline for the lab is Thursday the 3rd of September 23:59. Submission details are available on the final page of the lab assignment.'

TTM4240 Wiki

- www.ttm4240.iik.ntnu.no



The screenshot shows the TTM4240 Wiki home page. On the left is a dark sidebar with a list of navigation links: TTM4240, Home, Basic commands, GNS3, Network planning, Setup, Routing policies, CLI interaction, Inter-vendor communication, Network monitoring, Troubleshooting, Tunneling, Creating a topology, Netflow, and SNMP. The main content area has a title 'TTM4240 Home' and a welcome message: 'Welcome to the TTM4240 wiki. This wiki is meant to supplement the lab-work of course TTM4240 at NTNU. It is meant to act as a reference for different commands, but is not exhaustive, i.e. it might not cover all necessary knowledge or techniques required to solve the lab. Combine the information gained from the course, documentation from the internet and this wiki to have a solid foundation to solve the labs.' Below the message is a timestamp '2 months ago' with a clock icon. In the top right corner of the main area, there are two icons: a document with a magnifying glass and a document with a plus sign.

TTM4240 Home

Welcome to the TTM4240 wiki. This wiki is meant to supplement the lab-work of course TTM4240 at NTNU. It is meant to act as a reference for different commands, but is not exhaustive, i.e. it might not cover all necessary knowledge or techniques required to solve the lab. Combine the information gained from the course, documentation from the internet and this wiki to have a solid foundation to solve the labs.

Please use the navigational structure on the left to navigate the site.

2 months ago

Lab hours

- Sahara Lab
 - Tuesday 9:00 – 12:00
 - Wednesday 9:00 – 12:00

