



WGU - D418 Capstone

Introduction

Objective

Demonstrate skill in the course competencies.

- Designs Network Infrastructures and System Standards - The learner designs network infrastructures and system standards that address business needs.
- Deploys Network Infrastructure Solutions - The learner deploys validated network infrastructure solutions.

Overview

The capstone project consists of a network design proposal and the implementation and testing of a virtual network. The capstone project and scope must be presented and approved by the Capstone Course Instructor prior to implementation in the virtual

environment.



NOTE: Your lab session will remain persistent for 8 weeks after activating the course. After this time, you will lose any saved work. It is recommended that projects are backed up by saving and exporting them to your WGU Personal OneDrive.

Credentials

Username	Password
Student	P@ssw0rd

VM	User	Password
Linux Servers	student	P@ssw0rd
OPNsense	root	P@ssw0rd
Server 2019	administrator	P@ssw0rd
Linux Desktops	student	P@ssw0rd
EXOS	Admin	No Password
VyOS	vyos	P@ssw0rd
VOSS	rwa	rwa



NOTE: Please read usage instructions for VyOS inside GNS3. They contain instructions to get VyOS to recognize all configured interfaces.

Getting Started



Important things to remember

- GNS3 will autosave your project. Back up your work to OneDrive in case your lab needs to be reset. (export project)
- Delete old projects - There is a limited amount of space to work with.
- Do not change settings in GNS3 for the server. It will break the lab, and you will not be able to access your projects. (should stay set to 10.10.10.2)

1

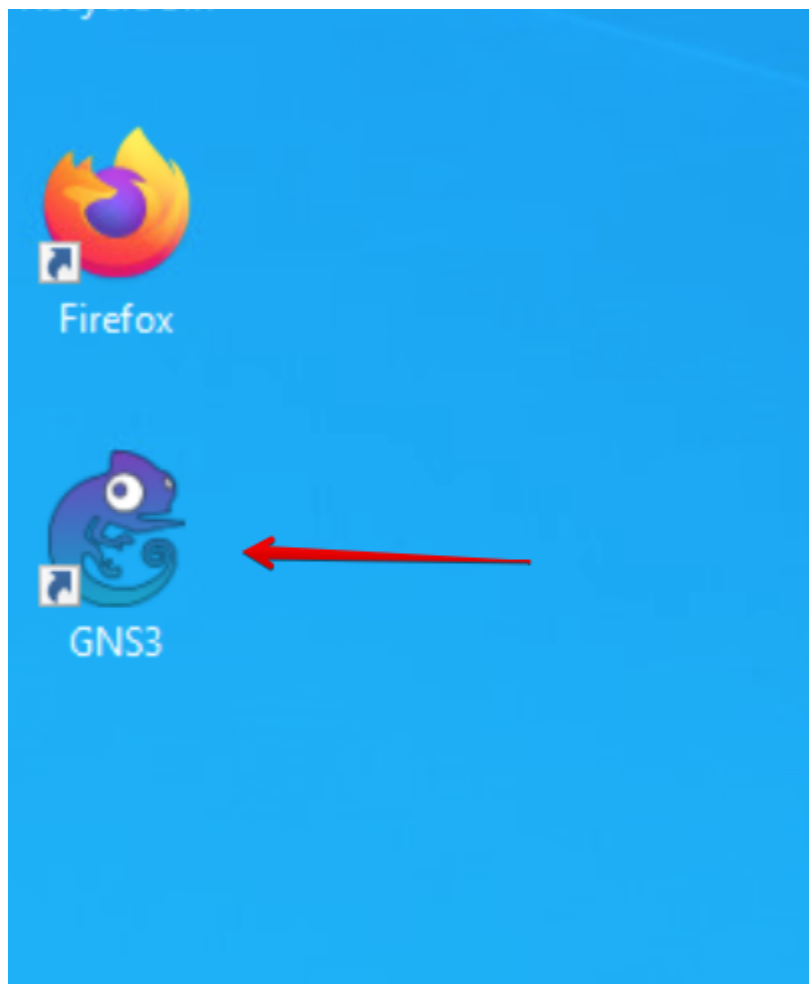
Log in with username **Student** and password **P@ssw0rd**.



Note: The password of P@ssw0rd will not be displayed when you type it for security purposes.

2

Double-click on **GNS3**.

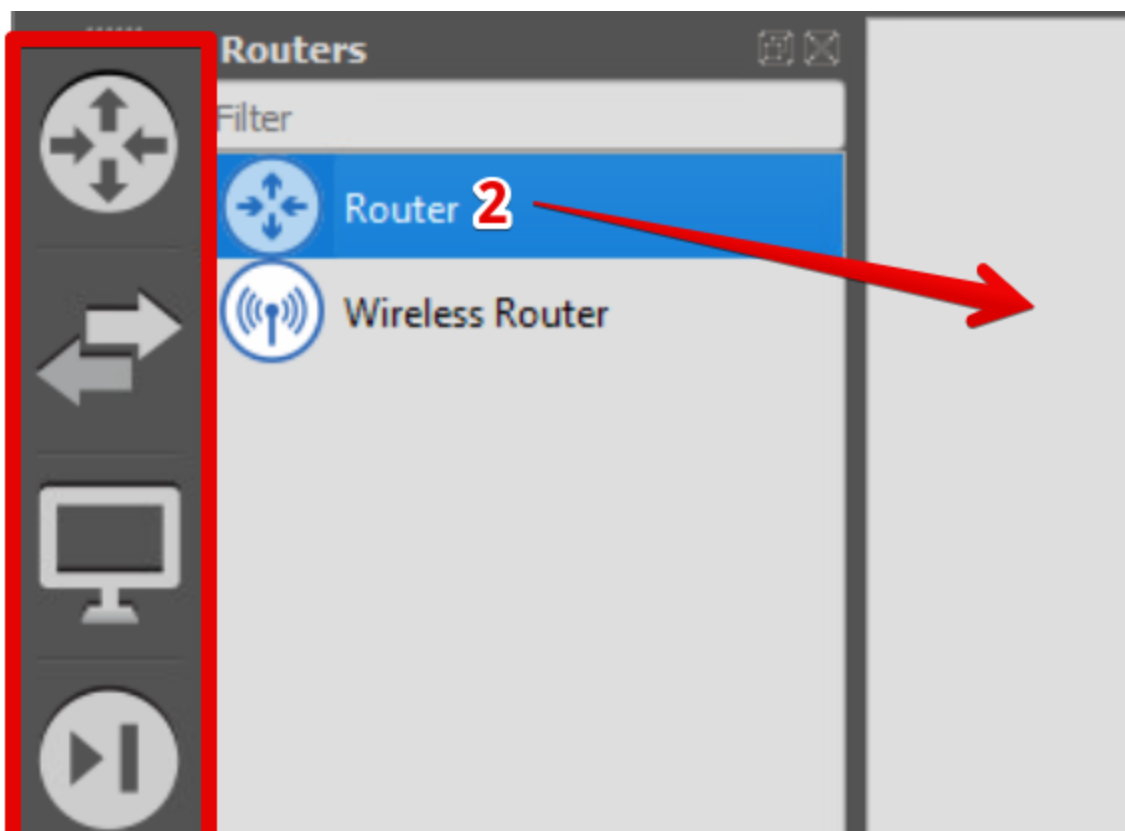


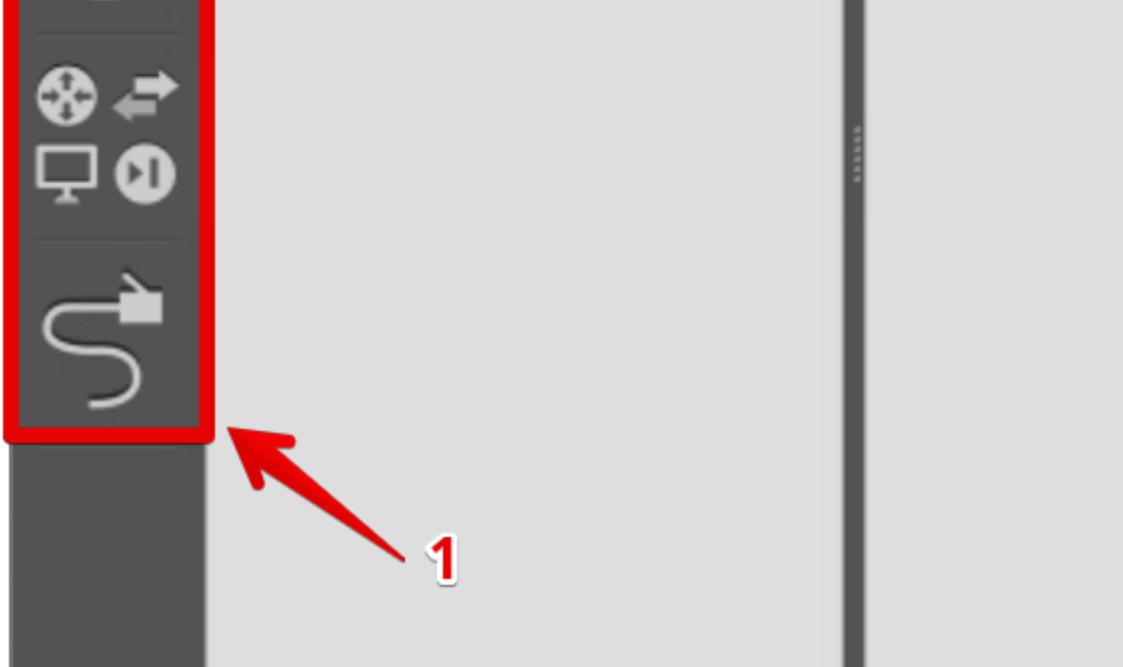
3

Give the project a name under **New project** and **click** the **OK** button

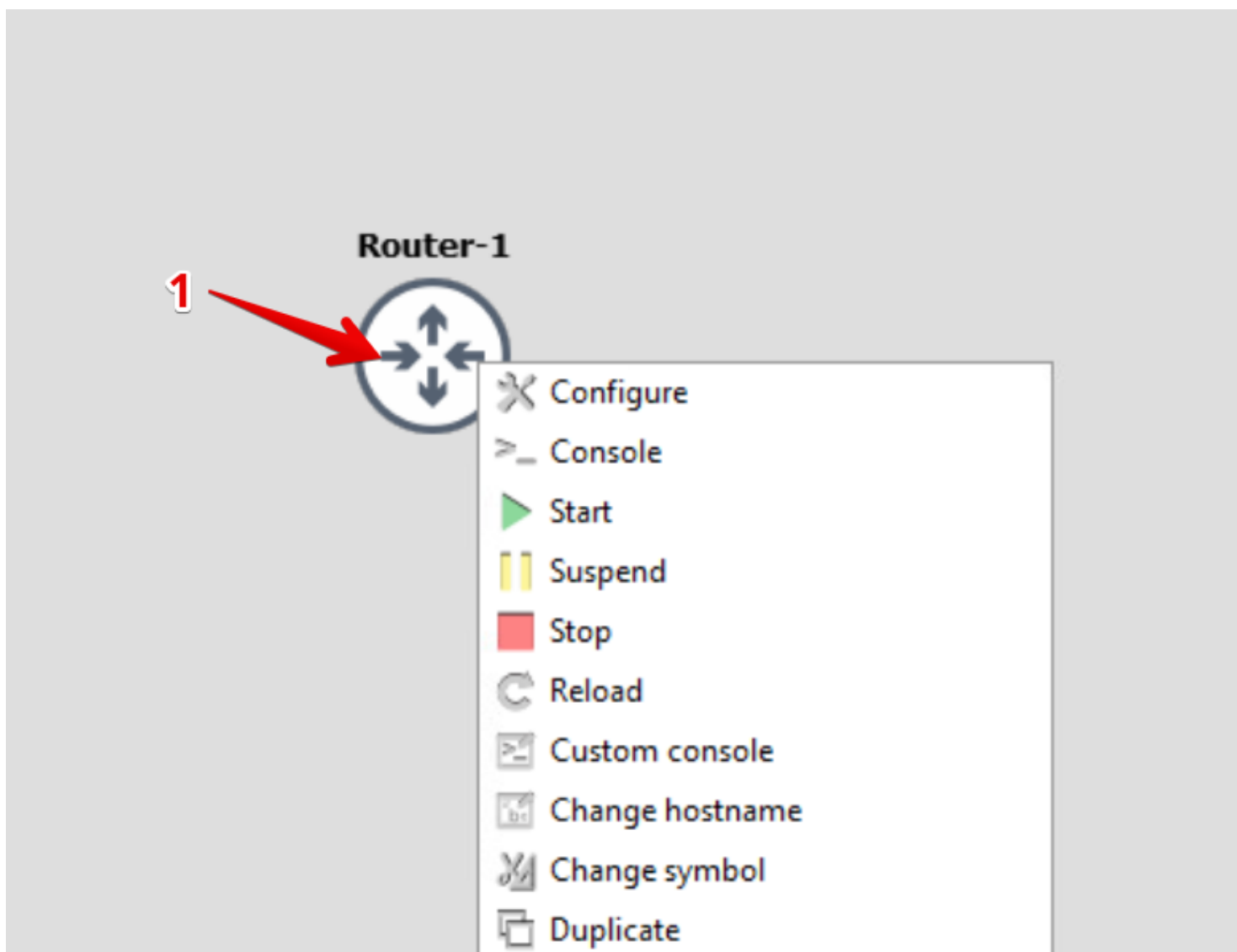


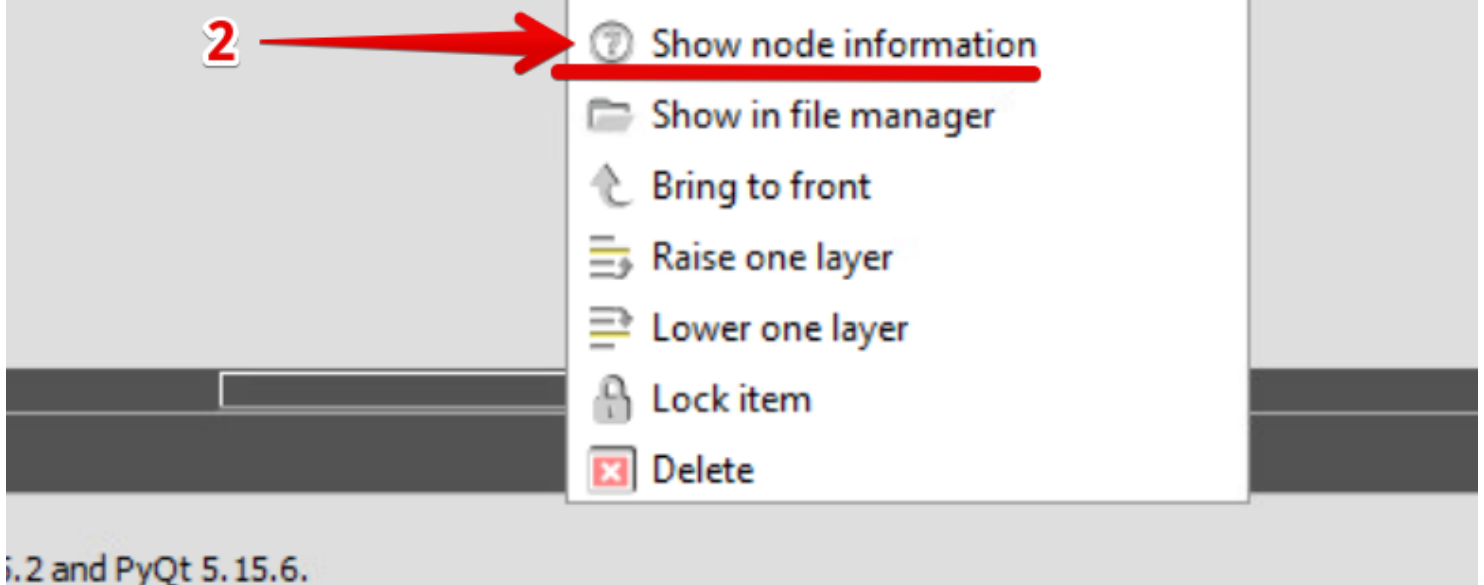
- 4 To add an item to the topology, first **select** a **category** and then simply **drag** the **icon** onto the topology.



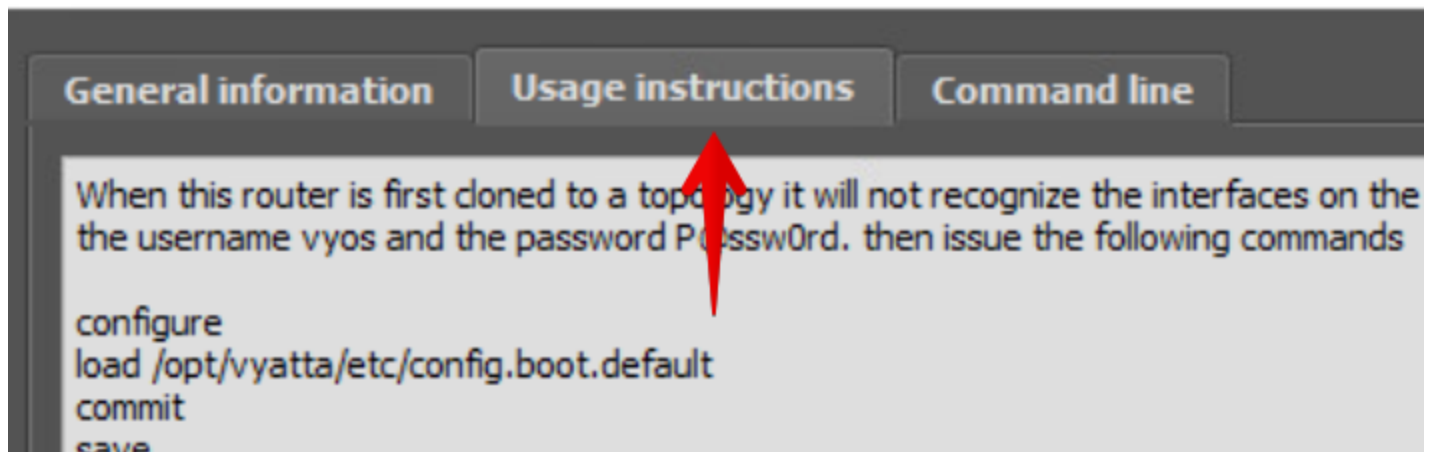


- 5 To see additional usage instructions, **right-click** a **node** on the **topology map** and **select** **Show node information**.





6 Select the Usage instructions tab.



Before moving to the conclusion, check that your network project has met all ten functionality requirements.

GNS3 Network Project - Conclusion



Prior to answering this question, ensure your GNS3 network project is open and clearly visible on the desktop.



CHALLENGE

