GNS3_0

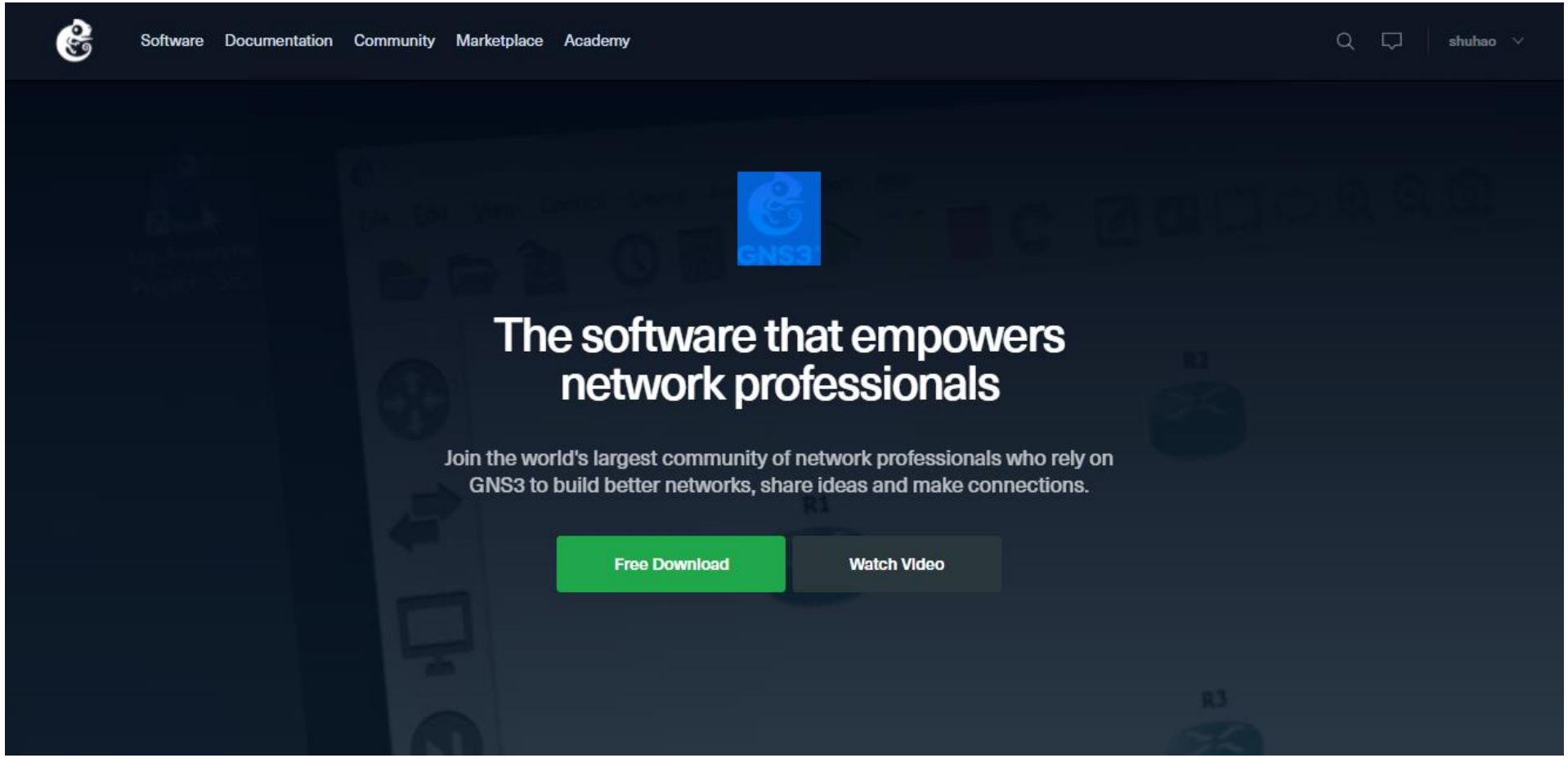
Introduction

Use GNS3 in real case

Exercises – Midterm and Final

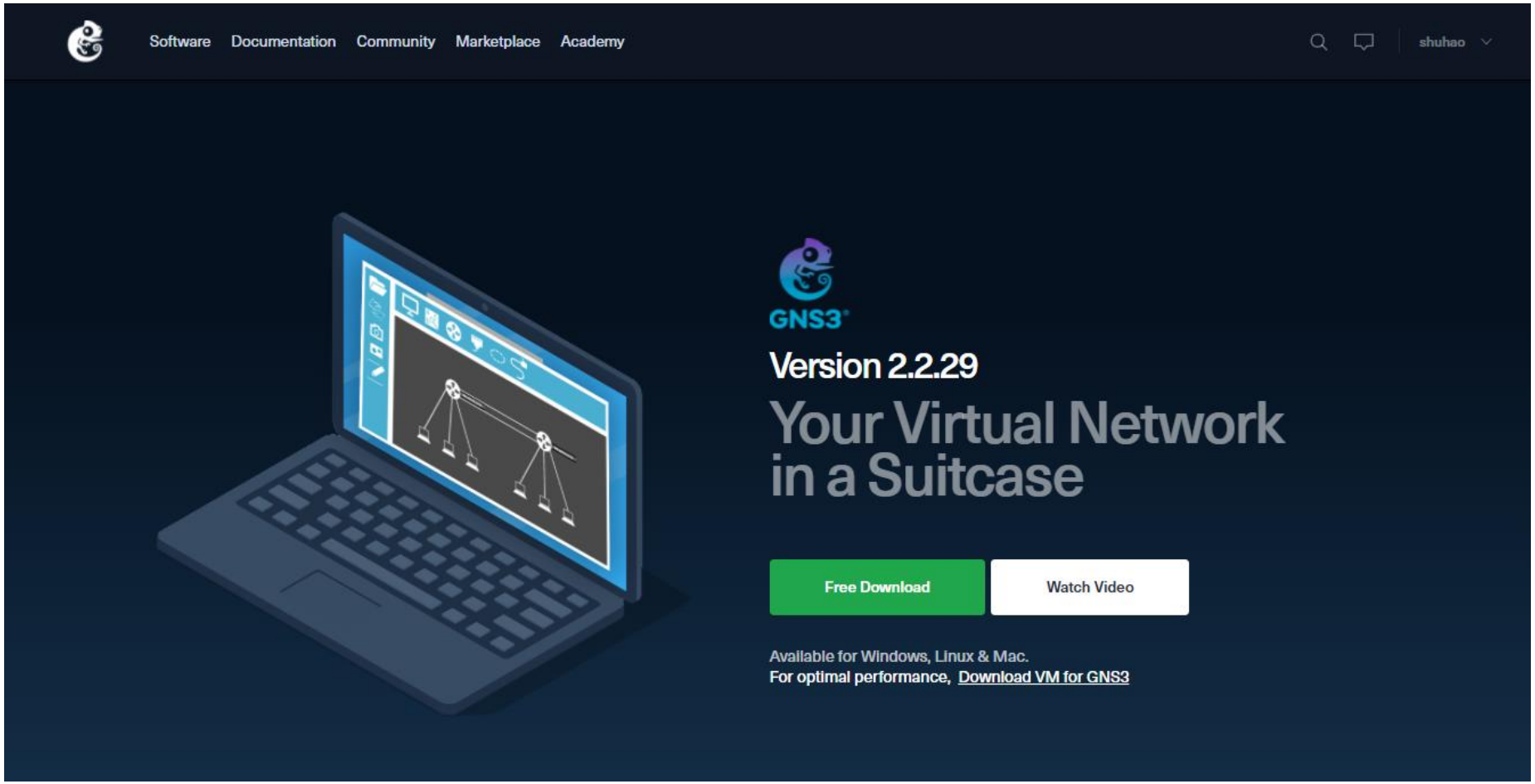
Introduction

https://gns3.com/



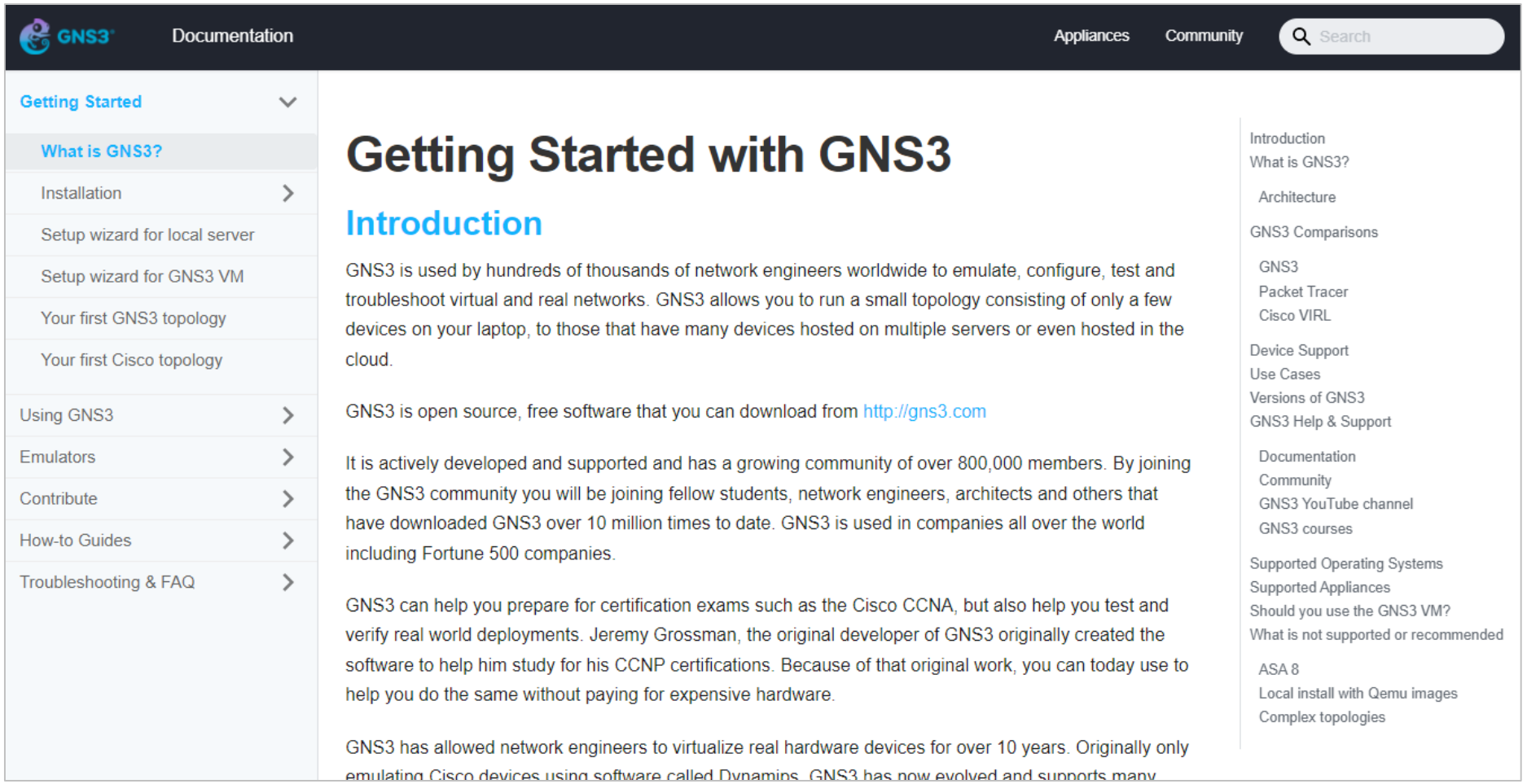
Software

https://gns3.com/software



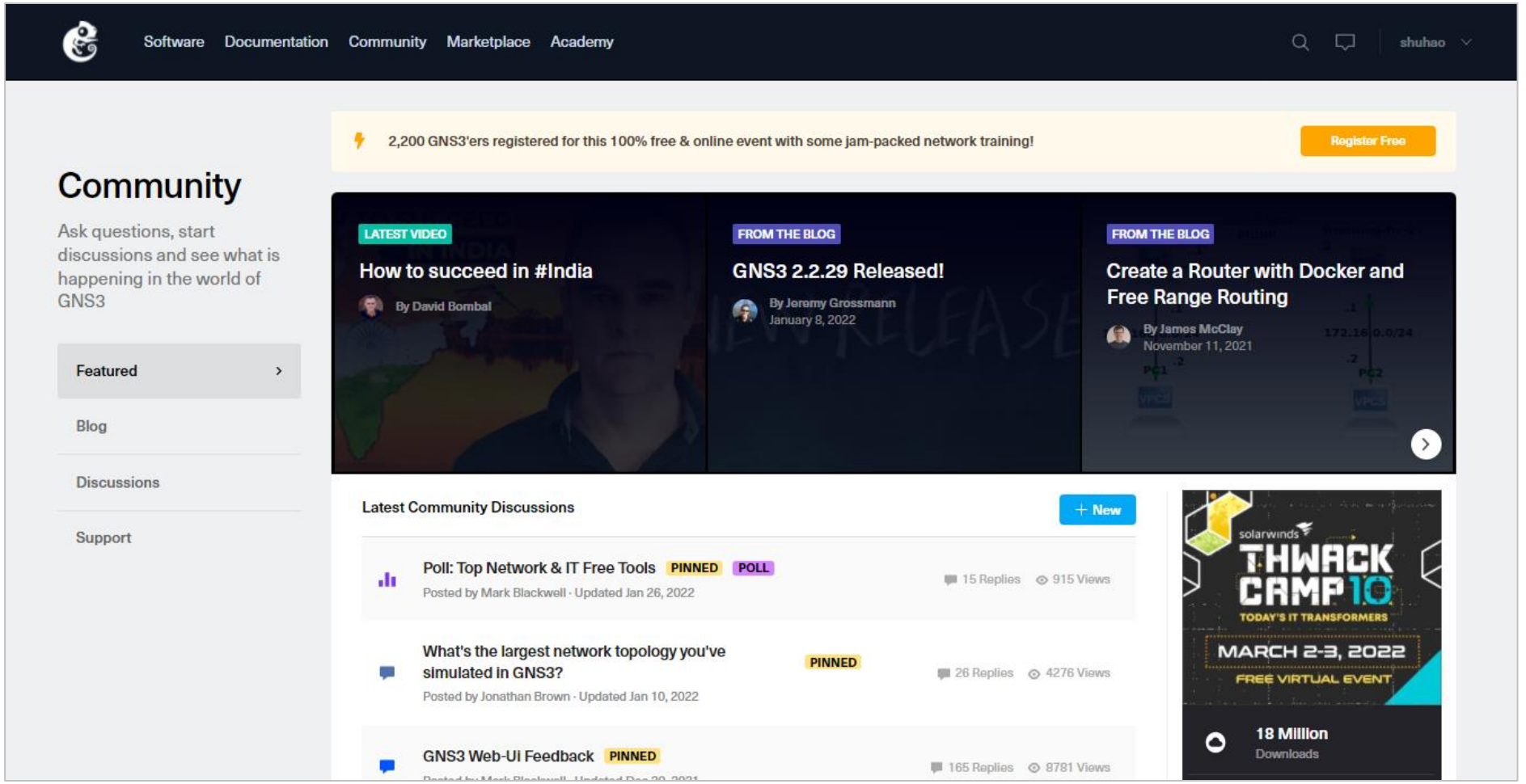
Documentation

https://docs.gns3.com/docs/



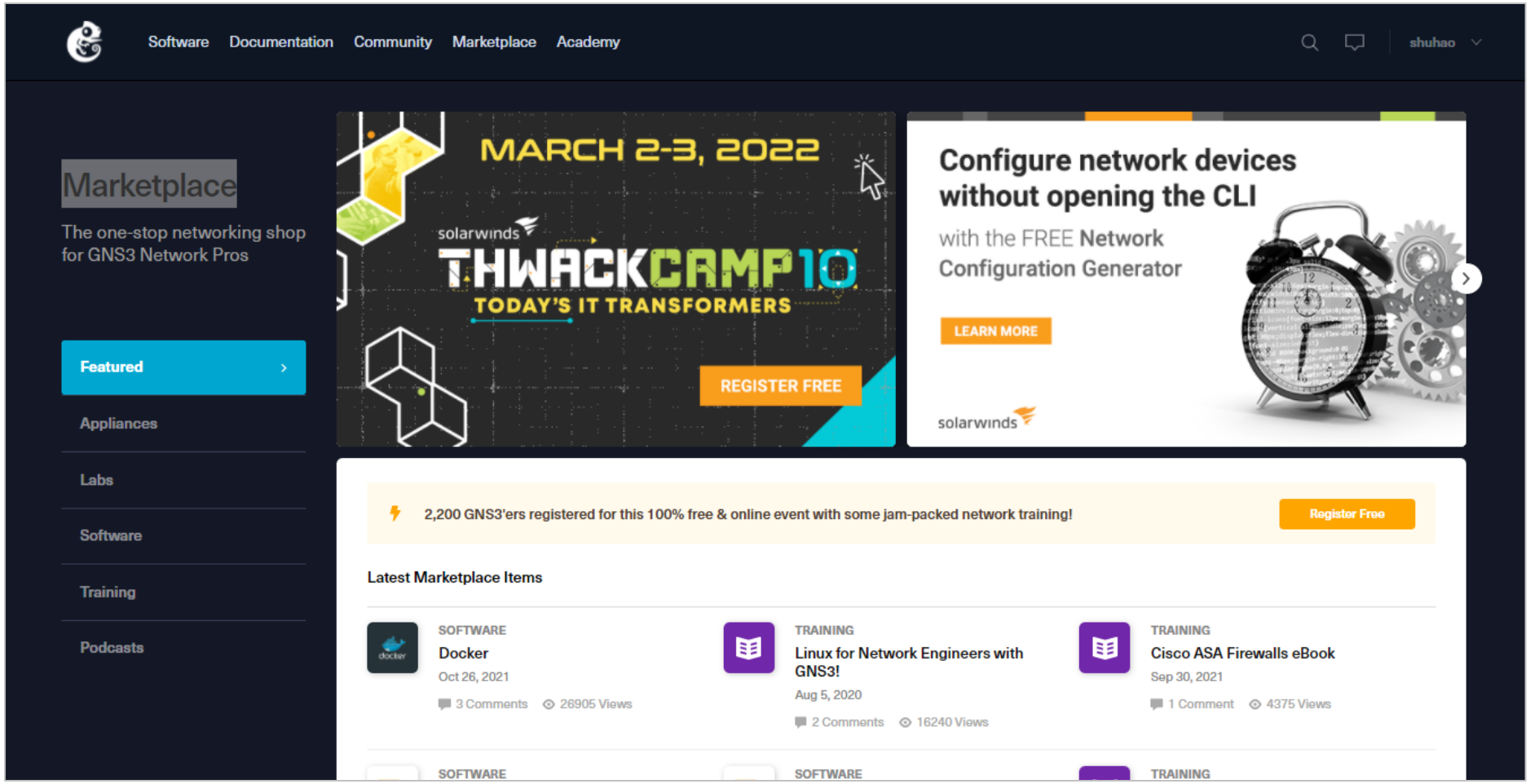
Community

https://gns3.com/community/featured



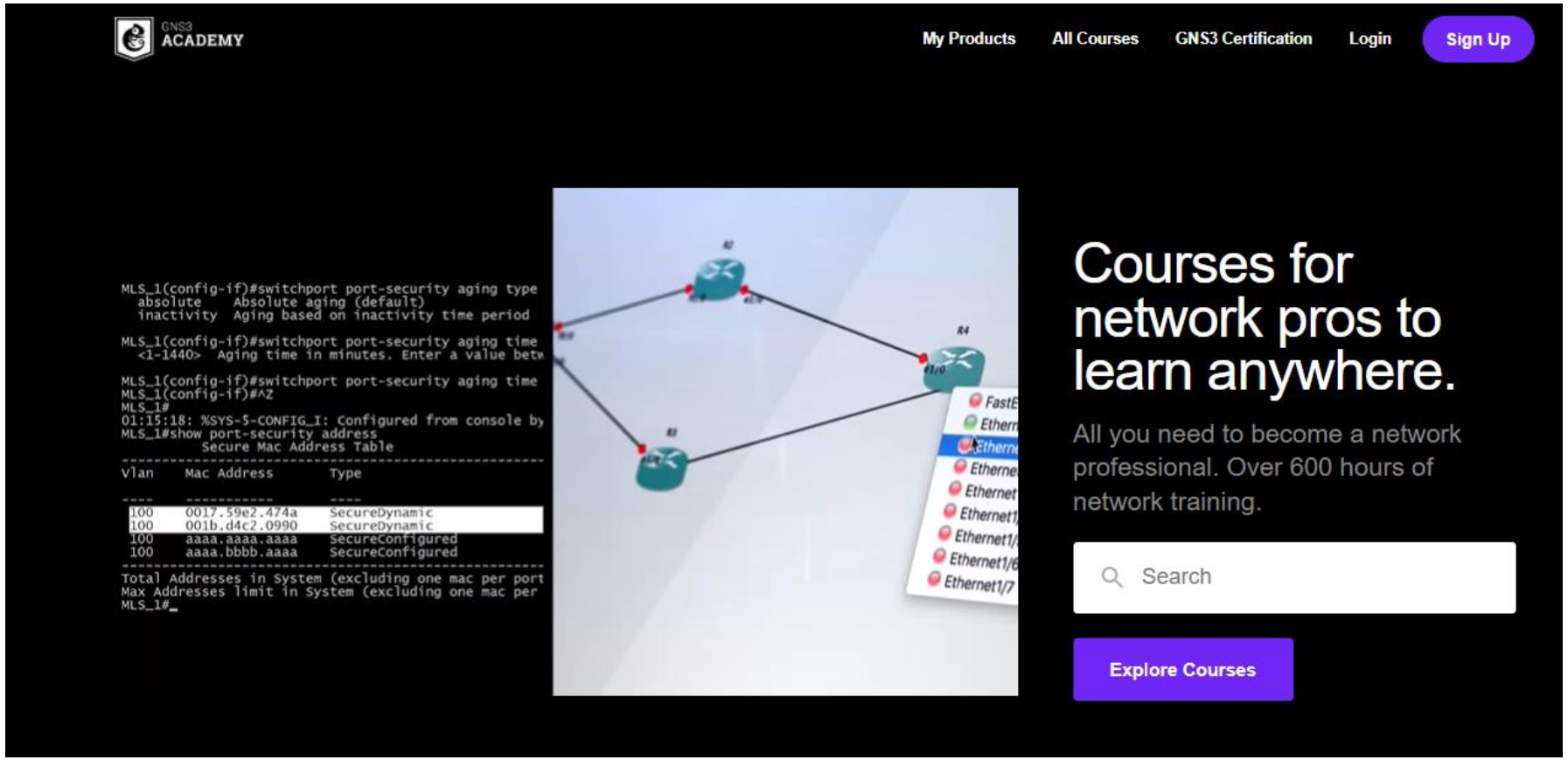
Marketplace

https://gns3.com/marketplace/featured



Academy

https://gns3.teachable.com/



Use GNS3 in real cases

- Why do we need to learn GNS3? To have a fundamental skill for your industrial career, not just know the technology from books.
- 5G network implementation.
  - https://www.researchgate.net/post/How-5G-network-implement-in-GNS3-simulation-enviroment

Question Asked 15th Sep, 2020

Hapuarachchige Don Nelaka Shayamal Priyankara
The Open University of Sri Lanka

How 5G network implement in GNS3 simulation enviroment?

Dear All

If you have the hierarchical implementation of the 5G network In the GNS3 simulation environment, Please share.

Nelaka

Paper study

https://www.mdpi.com/1424-8220/20/19/5495

- **Implementing Deep Learning Techniques in 5G IoT Networks for 3D Indoor Positioning: DELTA (DeEp Learning-Based Co-operaTive Architecture)**

sensors

MDPI

Article

Implementing Deep Learning Techniques in 5G IoT Networks for 3D Indoor Positioning: DELTA (DeEp Learning-Based Co-operaTive Architecture)

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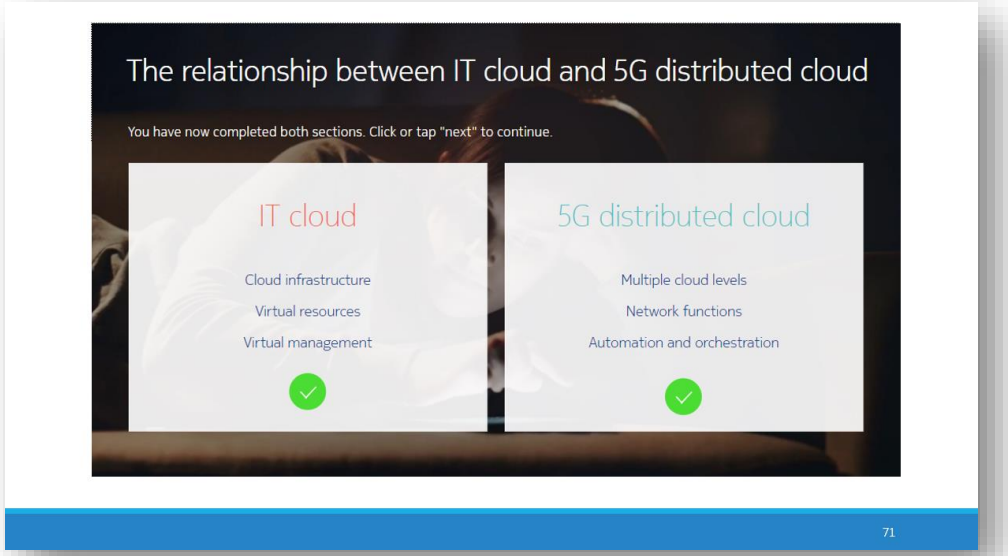
check for updates

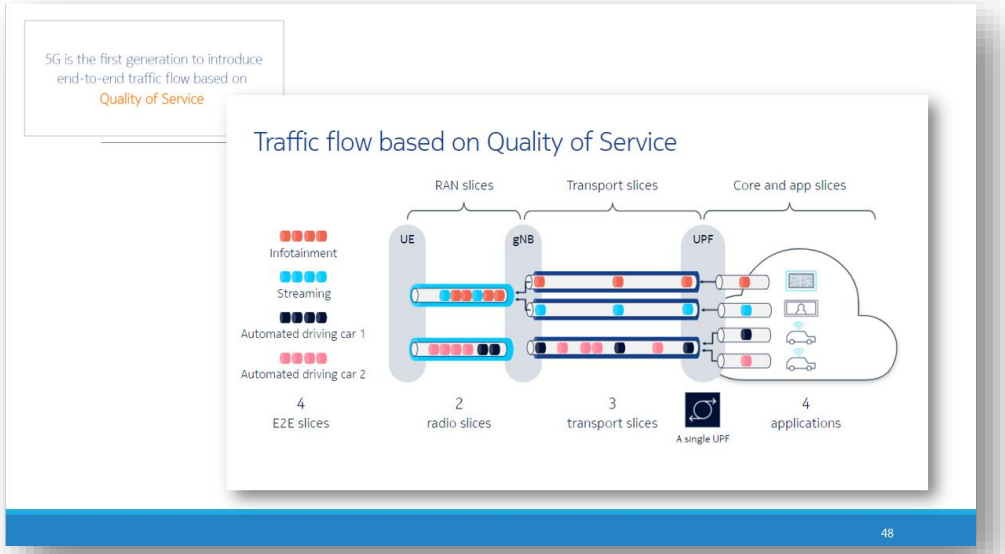
Exercise

- Midterm report
  - 5G Network design for Indoor Positioning
  - Reference: base on the “Paper study” to duplicate a 5G network
- Final report (either one)
  - build a 5G distributed cloud with QoS control
  - build a 5G networks application

Reference

- Reference:
  - Nokia 5G Unit 3 - Foundation of Distributed Cloud
  - Nokia 5G Unit 4 - Foundation of Network Slicing (traffic flow based on Quality of Service)





Reference

- Reference: Nokia 5G Unit 6 - Foundation of Industrial Automation
  - Public safety applications
  - Railway transport applications
  - Manufacturing applications