Communication Networks

Spring 2021

Routing Project Q/A session April 15, 2021



General information

The project counts for 20% of your final grade

There is a total of 10 points (+0.5 bonus)

You can ask questions:

- During the Q/A sessions
- On Slack, in the #routing_project channel
- Maybe your question is in the FAQ :-)

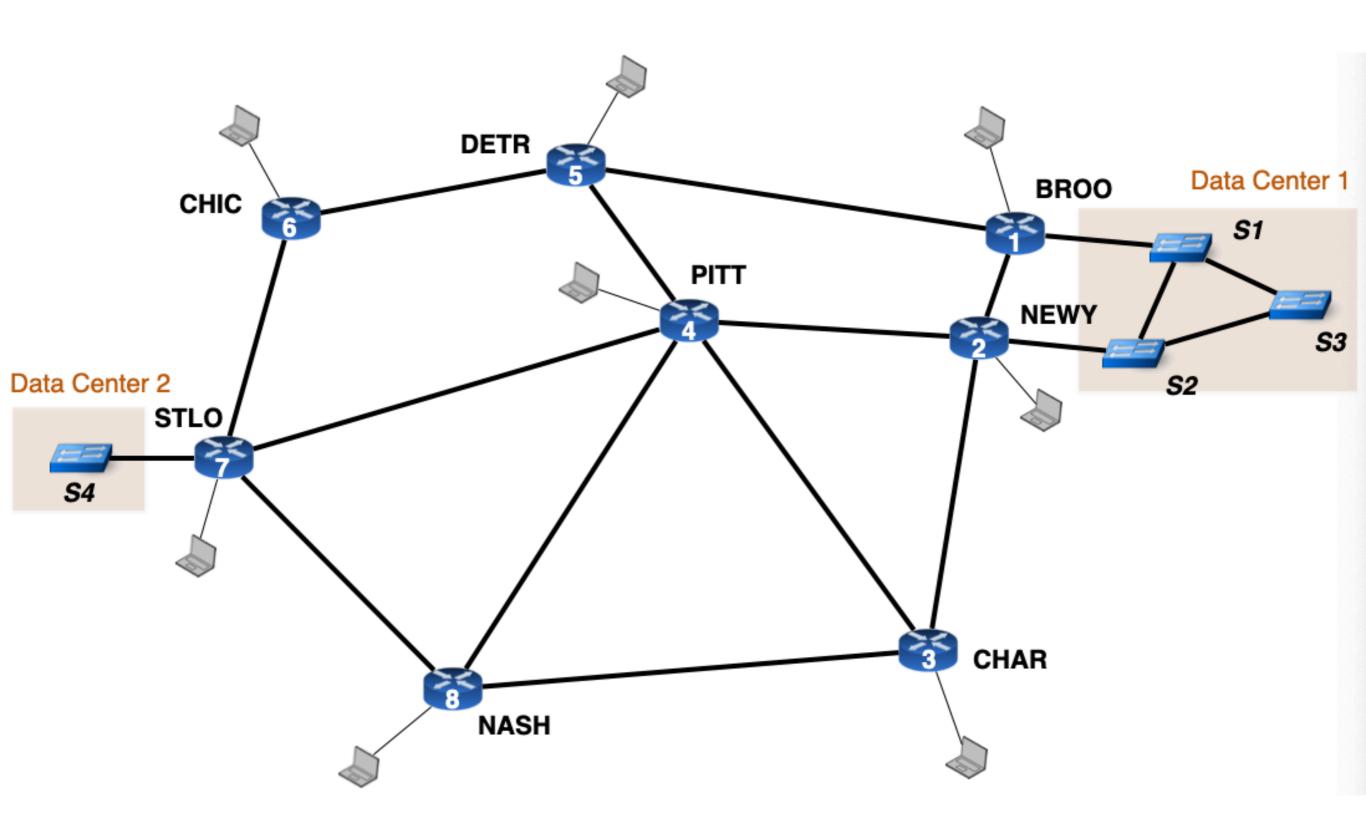
Use your GitLab repo to submit your work

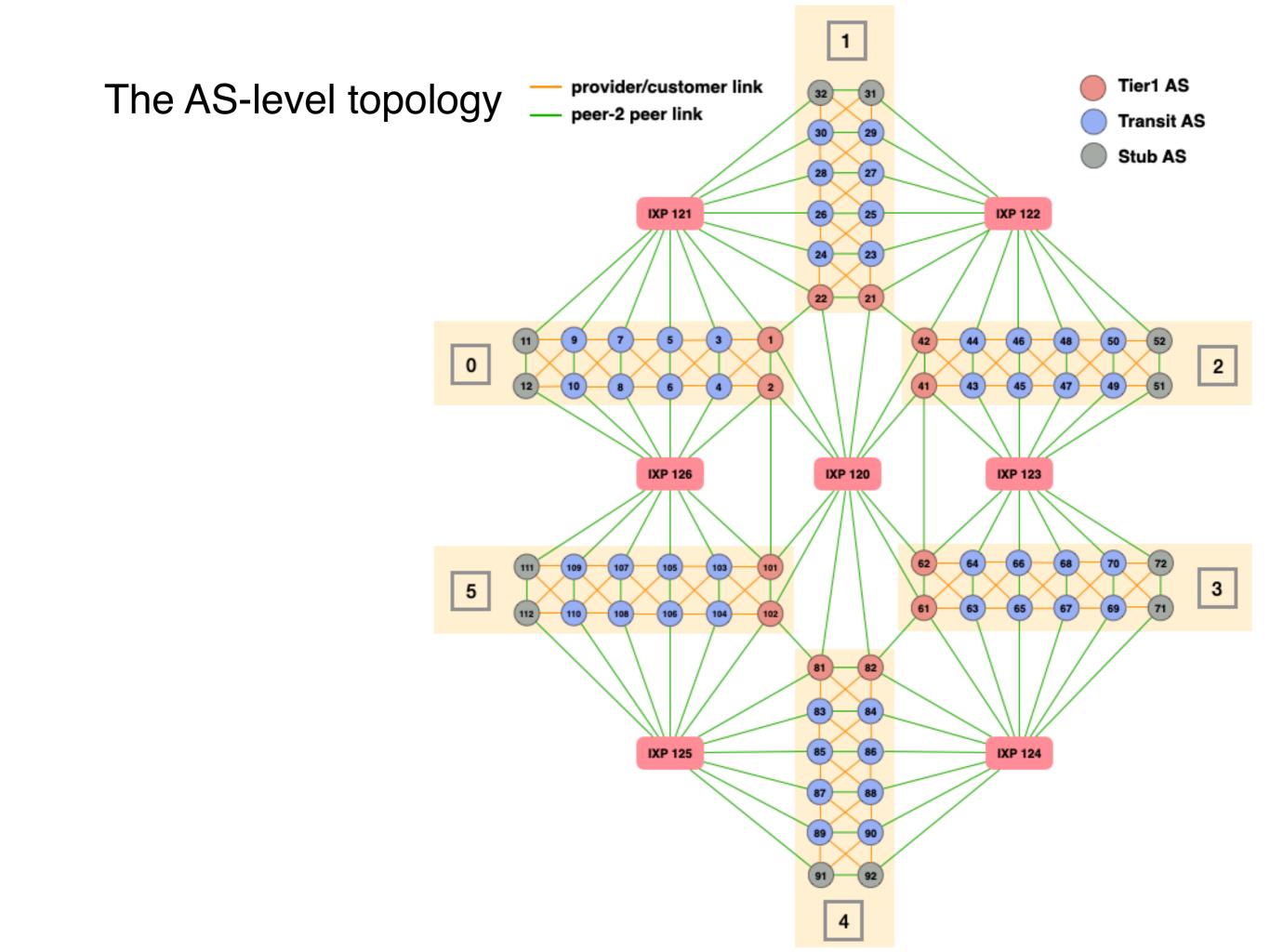
- Submit your routers and switches configuration
- Submit your report (max 10 pages!)
- Sign the declaration of originality and submit it

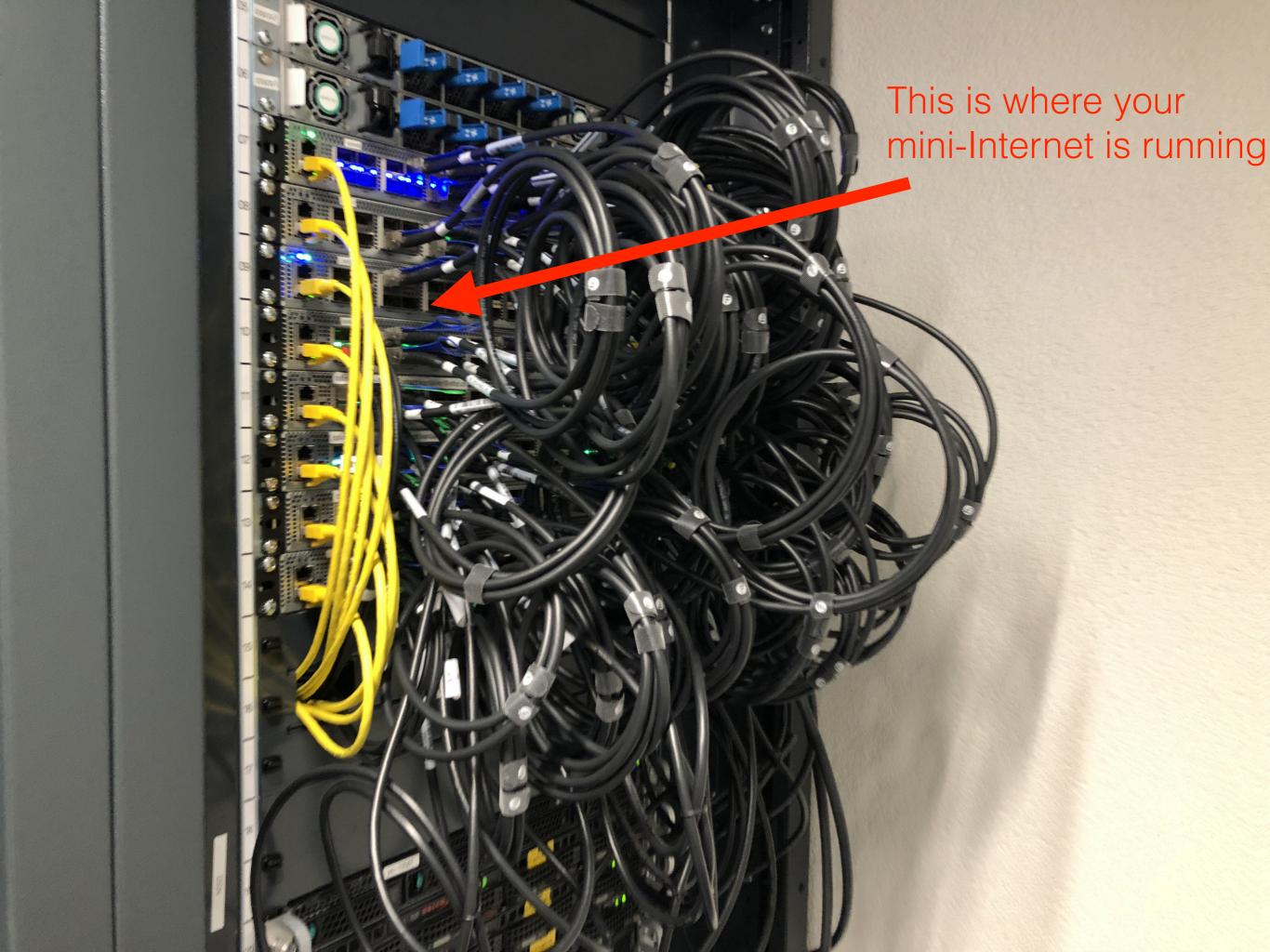
We wrote a tutorial where we give useful information

Including how you can access you virtual devices

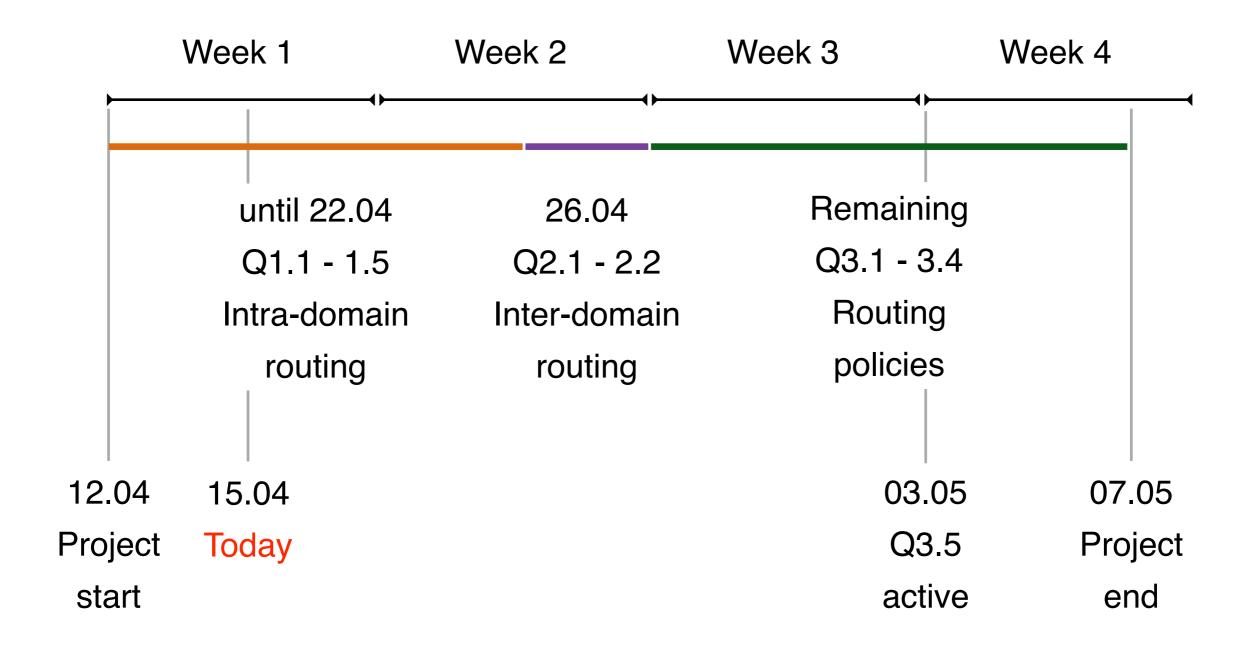
Your internal topology

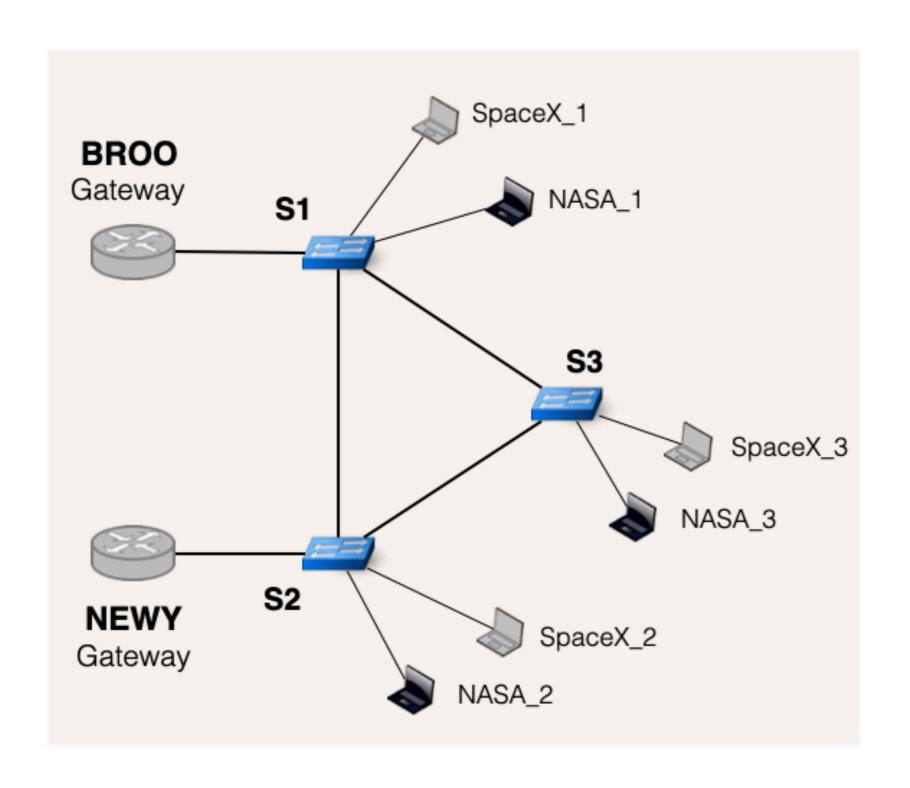


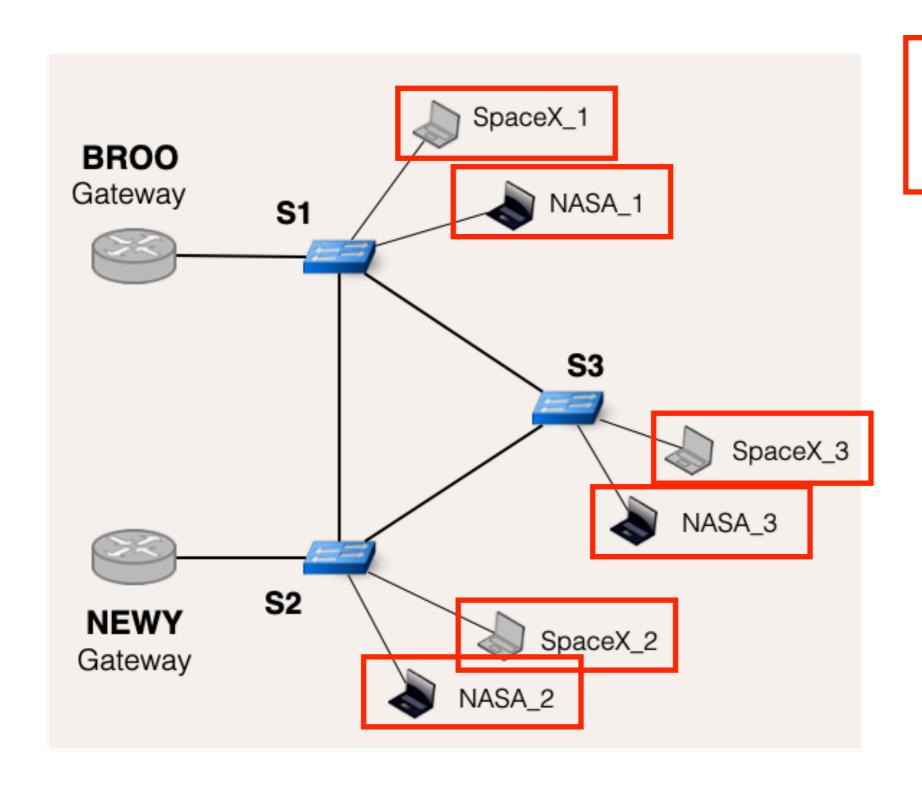




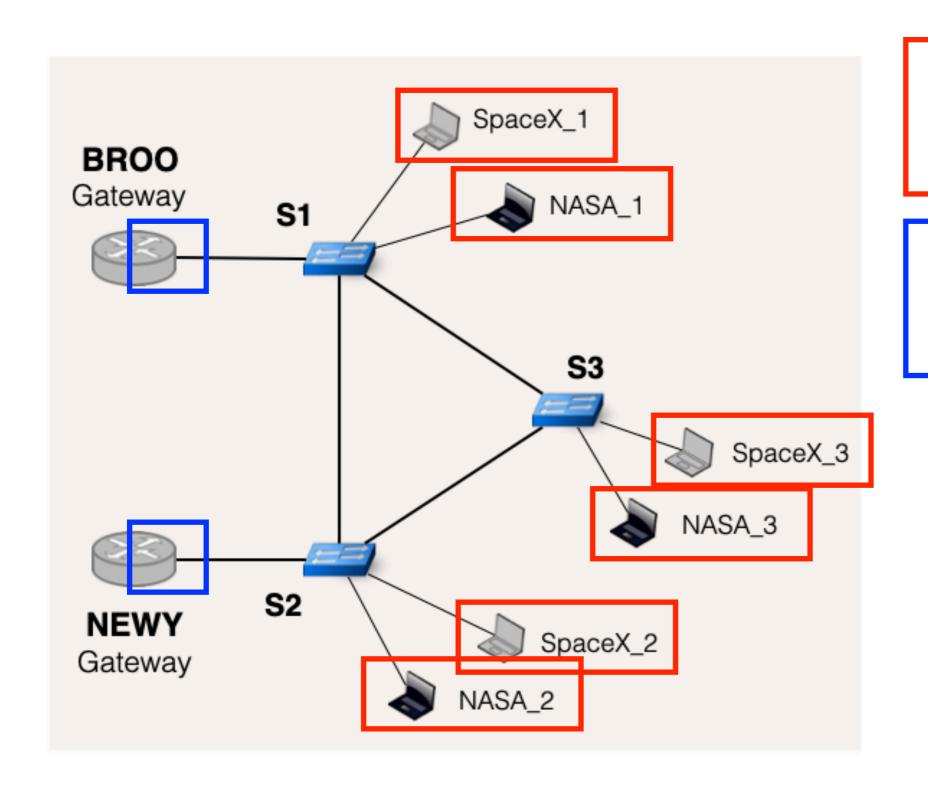
Routing project timetable





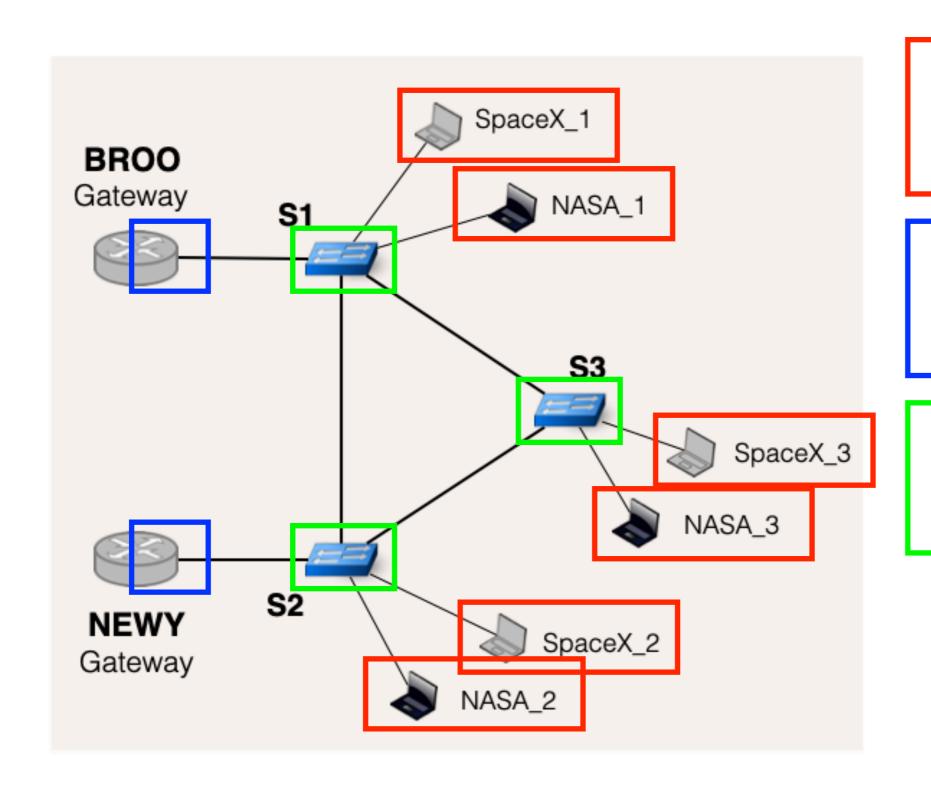


Where to configure an IP address and a default gateway



Where to configure an IP address and a default gateway

Where to configure an IP address for each VLAN

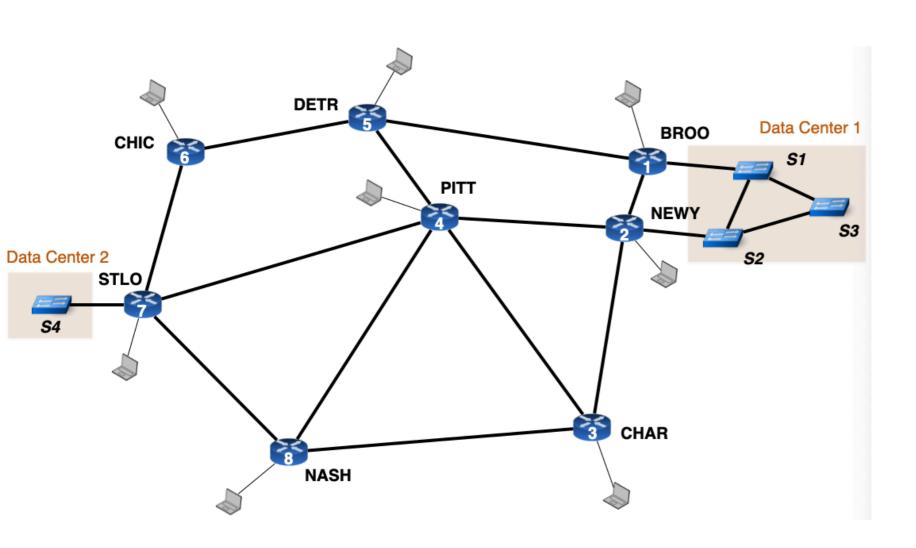


Where to configure an IP address and a default gateway

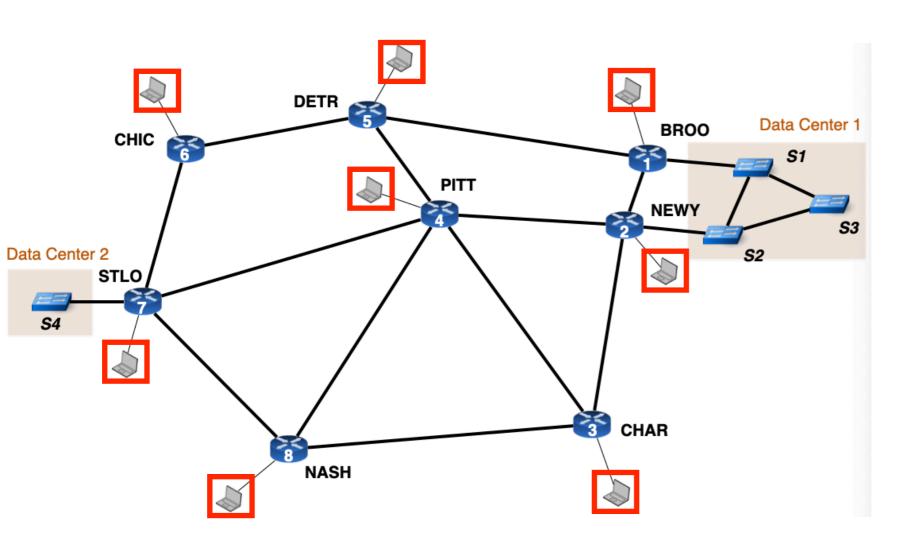
Where to configure an IP address for each VLAN

Where to configure the VLANs

Question 1.2: Enabling connectivity in your IP network

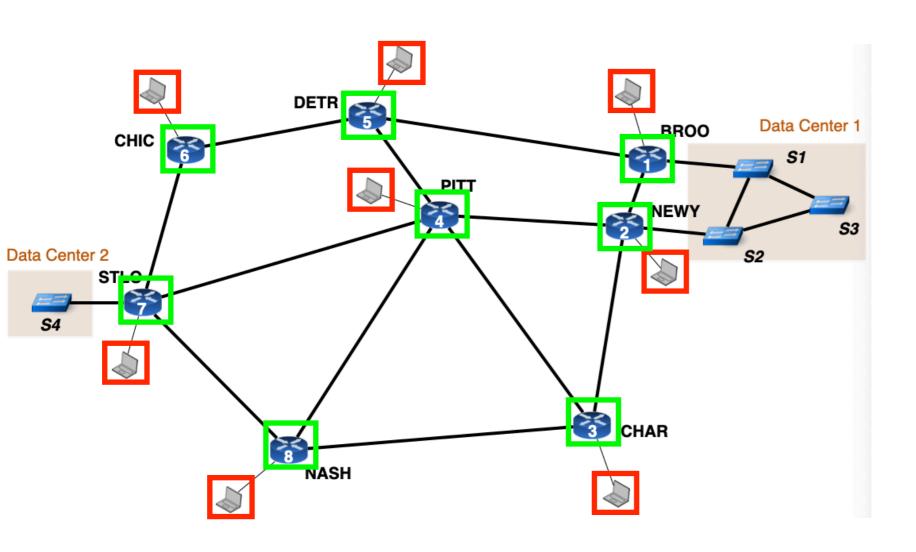


Question 1.2: Enabling connectivity in your IP network



Where to configure an IP address and a default gateway

Question 1.2: Enabling connectivity in your IP network



Where to configure an IP address and a default gateway

Where to configure IP addresses and routing protocols

General advice: do not forget to use the debugging tools

Linux networking tools

- Ping and traceroute to verify connectivity and IP paths
- Tcpdump to sniff packets on an interface

Routers and switches debugging commands

- You can show the current config, the content of the routing table, etc
- You can see information about each protocol

Monitoring tools we provide (and document in the Wiki)

- Connectivity matrix
- BGP looking glass
- Measurement container

We are here to guide you through the project do not hesitate to ask questions! :-)