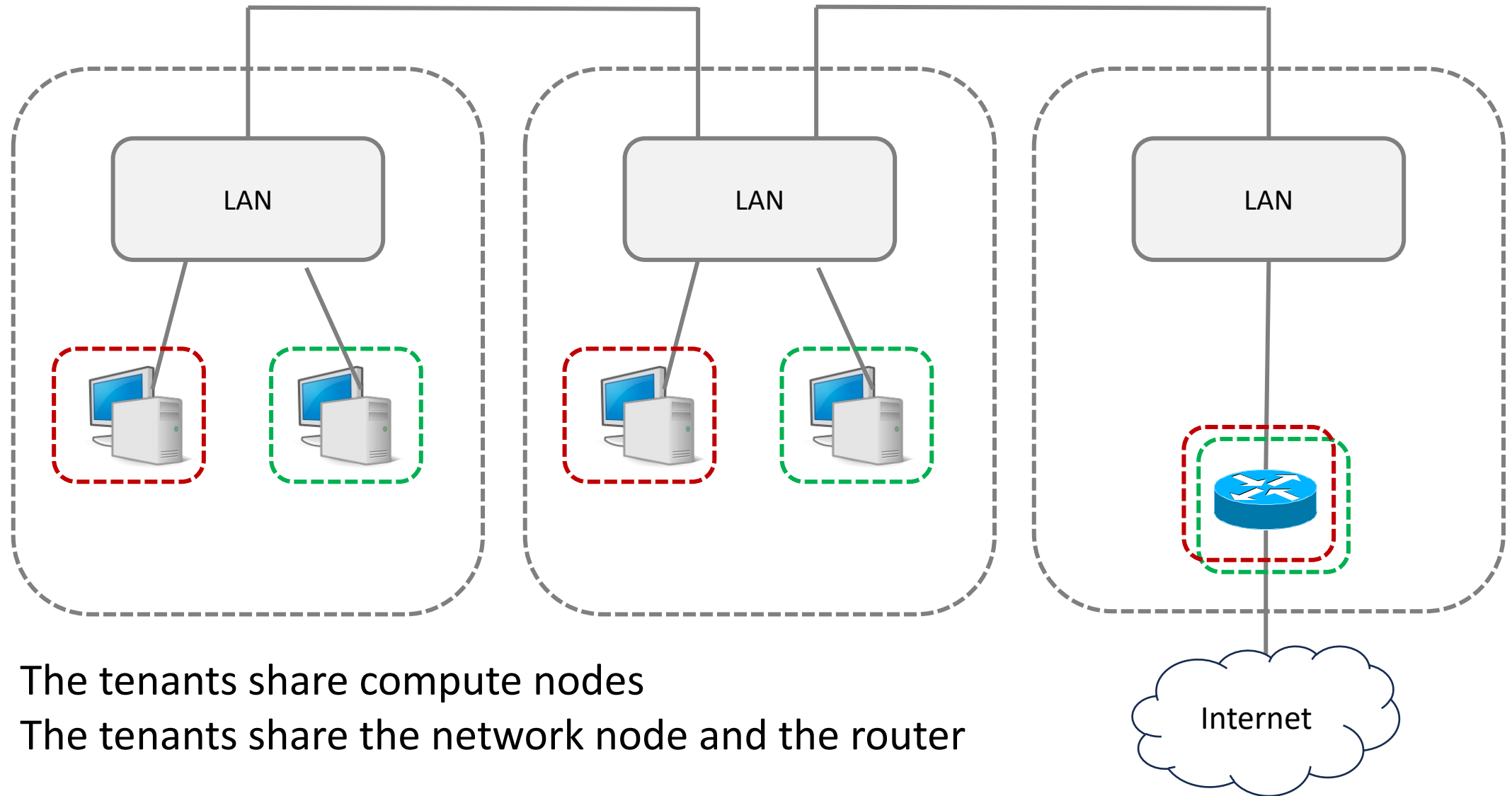


# Homework 1

Laboratory of network programmability  
2024



# IP networks

- Tenant 1 (red)
  - IP network 10.0.1.0/24
  - Gateway 10.0.1.254
- Tenant 2 (green)
  - Ip network 10.0.2.0/24
  - Gateway 10.0.2.254

# To do

- Configure VLAN to have separate broadcast domains for Tenant 1 and Tenant 2
- Show that all hosts in Tenant 1 network area reachable
- Show that all hosts in Tenant 2 network area reachable
- Show that no broadcast from Tenant 1/2 are seen by Tenant 2/1

# Performance

- Compare the two architectural alternatives
  1. All hosts of the same tenant located into the same compute node
  2. Hosts from different tenants evenly spread between the compute nodes
- 1. Execute ping between the hosts and between the hosts and the gateways and compare the response time