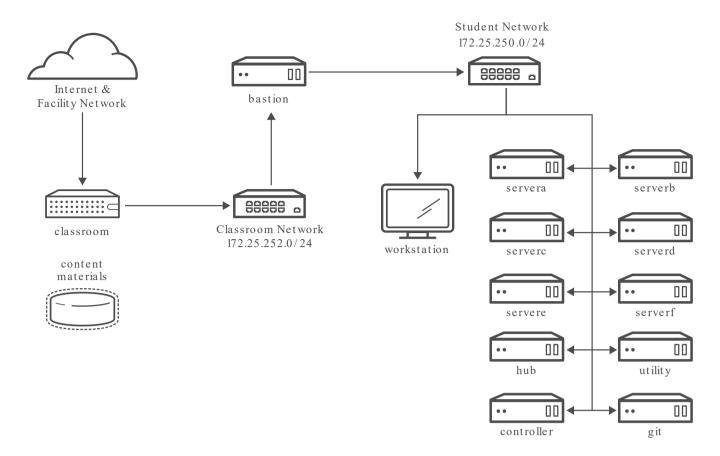Figure 0.1: Classroom environment

In this course, the main computer system used for hands-on learning activities is workstation. The system called bastion must always be running. Ten other machines are also used by students for these activities: servera, serverb, serverc, serverd, servere, serverf, git, hub, controller, and utility. All ten of these systems are in the lab.example.com DNS domain.

All student computer systems have a standard user account, student, which has the password student. The root password on all student systems is redhat.

Table 1. Classroom Machines

Machine name	IP addresses	Role
bastion.lab.example.com	172.25.250.254	Bridges the classroom and student networks
workstation.lab.example.com	172.25.250.9	Graphical workstation used for system administration
servera.lab.example.com	172.25.250.10	Managed server "A"
serverb.lab.example.com	172.25.250.11	Managed server "B"
serverc.lab.example.com	172.25.250.12	Managed server "C"
serverd.lab.example.com	172.25.250.13	Managed server "D"
servere.lab.example.com	172.25.250.14	Managed server "E"
serverf.lab.example.com	172.25.250.15	Managed server "F"
git.lab.example.com	172.25.250.5	GitLab server
hub.lab.example.com	172.25.250.6	Private automation hub server
controller.lab.example.com	172.25.250.7	Automation controller server
utility.lab.example.com	172.25.250.8	Identity Management server