Orientation to the Classroom Environment
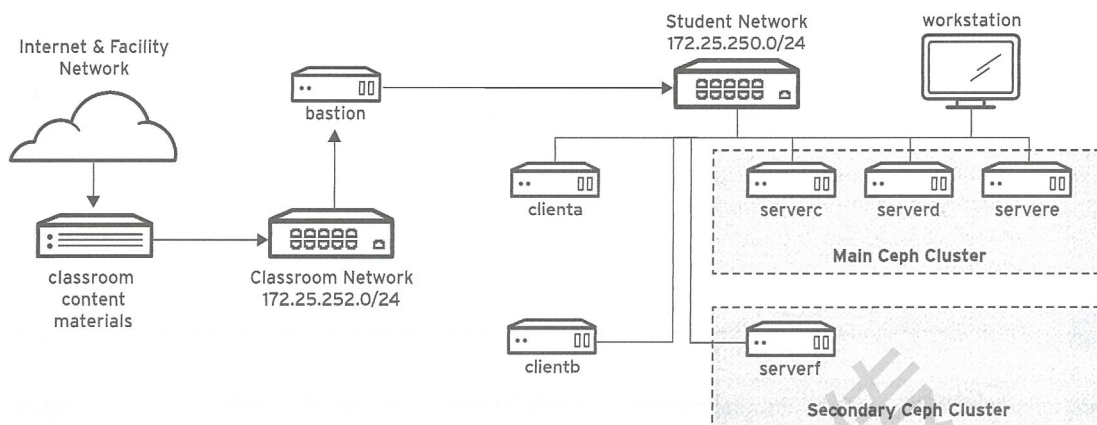

Figure 0.1: Classroom environment

In this classroom environment, your primary system for hands-on activities is workstation. The workstation virtual machine (VM) is the only system with a graphical desktop, which is required for using a browser to access web-based tools. You should always log in directly to workstation first. From workstation, use ssh for command-line access to all other VMs. Use a web browser from workstation to access the Red Hat Ceph Storage web-based dashboard and other graphical tools.

As seen in Figure 0.1, all VMs share an external network, 172.25.250.0/24, with a gateway of 172.25.250.254 (bastion). External network DNS and container registry services are provided by utility.

Additional student VMs used for hands-on exercises include clienta, clientb, serverc, serverd, servere, serverf, and serverg. 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.

Classroom Machines

Machine name	IP addresses	Role
workstation.lab.example.com	172.25.250.9	Graphical student workstation
clienta.lab.example.com	172.25.250.10	Client "A" as cluster client and admin node
clientb.lab.example.com	172.25.250.11	Client "B" cluster client
serverc.lab.example.com	172.25.250.12	Server "C" cluster storage node
serverd.lab.example.com	172.25.250.13	Server "D" cluster storage node