

# UbiLAB

A ubiquitous virtual laboratory framework

Overview of Open edX

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# Overview

- Introduction to Open edX learning platform
- Features of Open edX
- Learning Experience
- Background Structure
- Platform presentation
- System Administration Course

# Open edX Overview

## Open edX: Own learning management platform

- Creation multimedia course content
- Additional course content for students
- Track progress
- Full learning experience



# Open edX Features

1. Online/Hybrid programs
2. Self-paced/Instructor-led courses
3. Certification
4. Assessments
  - Quizzes
  - Python-Evaluated Tasks
  - Open Response Assessment
  - Remote Tasks



# Open edX: The Courseware Structure

The image displays a collage of Open edX courseware interface elements:

- Chapters:** A sidebar menu for "System Administration I" listing chapters from Preface A to Chapter 6.
- Progress:** A purple box showing progress for "Preface A: Introduction" (0/1) and "Red Hat Enterprise Linux (1/3) 33%".
- Sections:** A green box for "Section 3.1: Describing Linux File System Hierarchy Concepts" with objectives and a file system diagram.
- Quizzes:** A yellow box for "Section 1.2: Quiz: Getting started with Red Hat Enterprise Linux" with a question about open source software benefits.
- Command Line:** A purple box for "Lab: Accessing the Command Line" with a terminal screenshot.

**Section 3.1: Describing Linux File System Hierarchy Concepts**

**Objectives**

After completing this section, you should be able to describe how Linux organizes files, and the purposes of various directories in the file-system hierarchy.

```
graph TD
    Root[ / ] --> run[ run ]
    Root --> sbIn[ sbIn ]
    Root --> tmp[ tmp ]
    run --> bin[ bin ]
    run --> local[ local ]
    run --> sbIn2[ sbIn ]
```

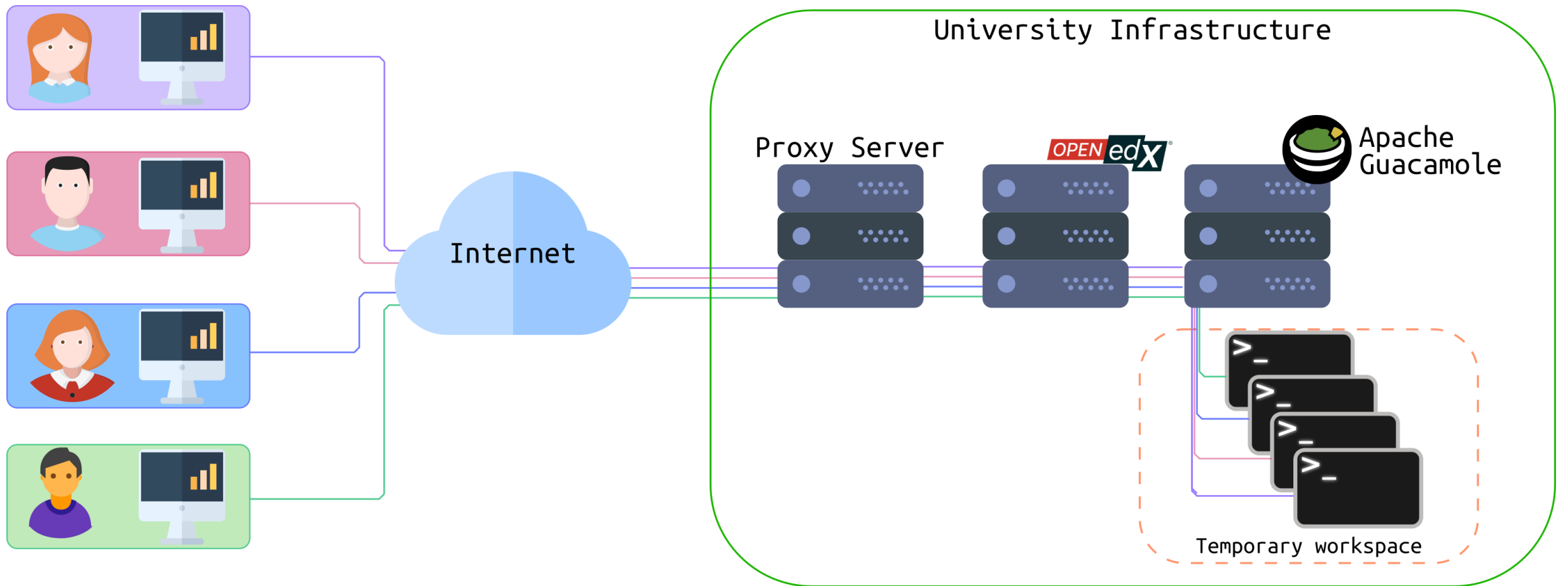
**Section 1.2: Quiz: Getting started with Red Hat Enterprise Linux**

**Question 1**

1. Which two of the following are benefits of open source software for the user? (Choose two.)

- Code can survive the loss of the original developer or distributor.
- Sensitive portions of code are protected and only available to the original developer.
- You can learn from real-world code and develop more effective applications.
- Code remains open as long as it is in a public repository but the license may change when included with closed source software.

# Open edX: Background Structure



# Open edX: How does it work in HSA

# System Administration Course

- Access the command line
- Manage files from command line
- Create, view, and edit text files
- Manage local users and groups
- Monitor and manage Linux processes
- Control services and daemons
- Analyze and store log files
- Access Linux file systems
- Manage Linux networking and more







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Thank You!