



LINUX

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BOOTCAMP
set your career

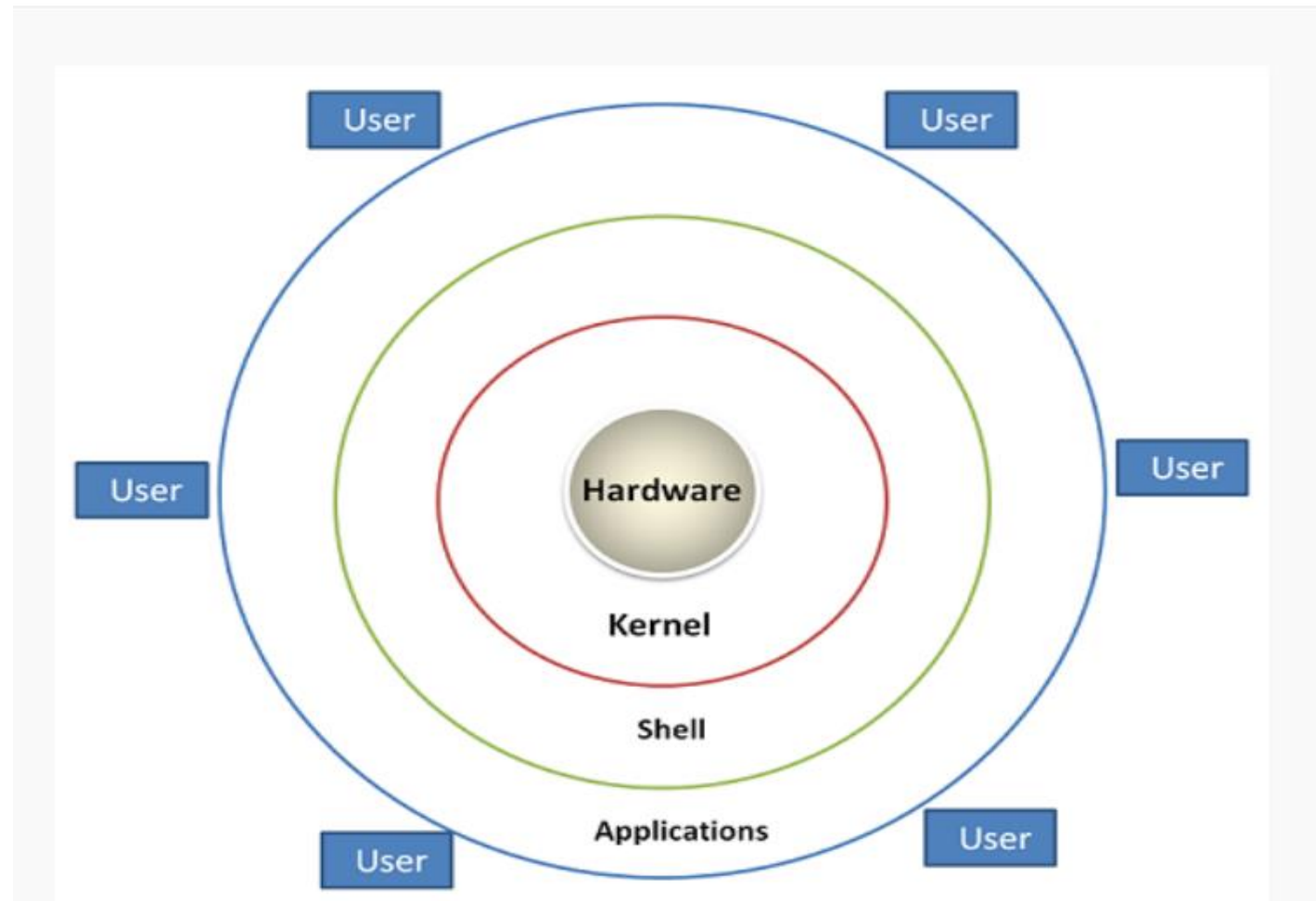
TOPICS:

- What is Linux?
- Architecture of Linux
 - Kernal
 - Shell
 - CShell
- Advantages and Disadvantages of Linux

WHAT IS LINUX?

- Linux[®] is an open-source operating system (OS). An operating system is a software that directly manages a system's hardware and resources, like CPU, memory, and storage. The OS sits between applications and hardware and makes the connections between all of your software and the physical resources that do the work.

ARCHITECTURE OF LINUX



WHAT IS KERNEL?

- The kernel is the core of the operating system and is responsible for managing the resources of the computer, such as the CPU, memory, and I/O devices.

It Manages the following resources of the Linux system.

- File Management
- Process Management
- I/O Management
- Memory Management.
- Device Management

WHAT IS SHELL?

- A shell is a special user program which provides an interface for user to use operating system services.
- Shell is broadly classified into two categories.
 - Command Line shell
 - Graphical shell

DIFFERENT TYPES OF SHELLS

- **BASH** (Bourne shell again Shell)
- **CSH** (C Shell)
- **KSH** (Korn Shell)

Each shell does the same job but understands different commands and provide different built-in functions

Command:

Echo \$SHELL – to check current shell

ADVANTAGES OF LINUX

- Free
- Secure OS
- Lightweight
- Stability
- High Performance

DISADVANTAGES OF LINUX

- Adaptation
- Software Compatibility
- Hardware Compatibility