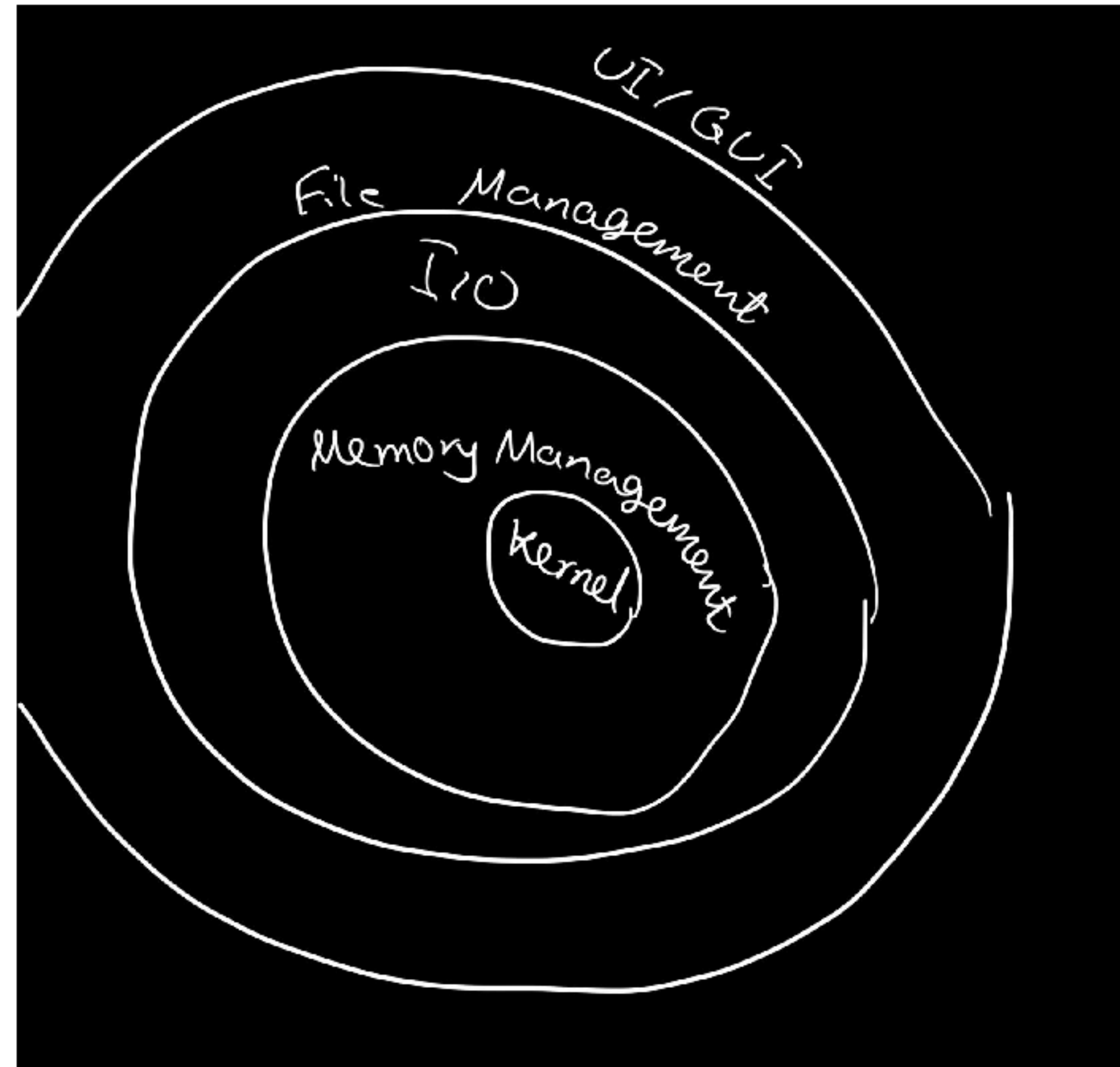


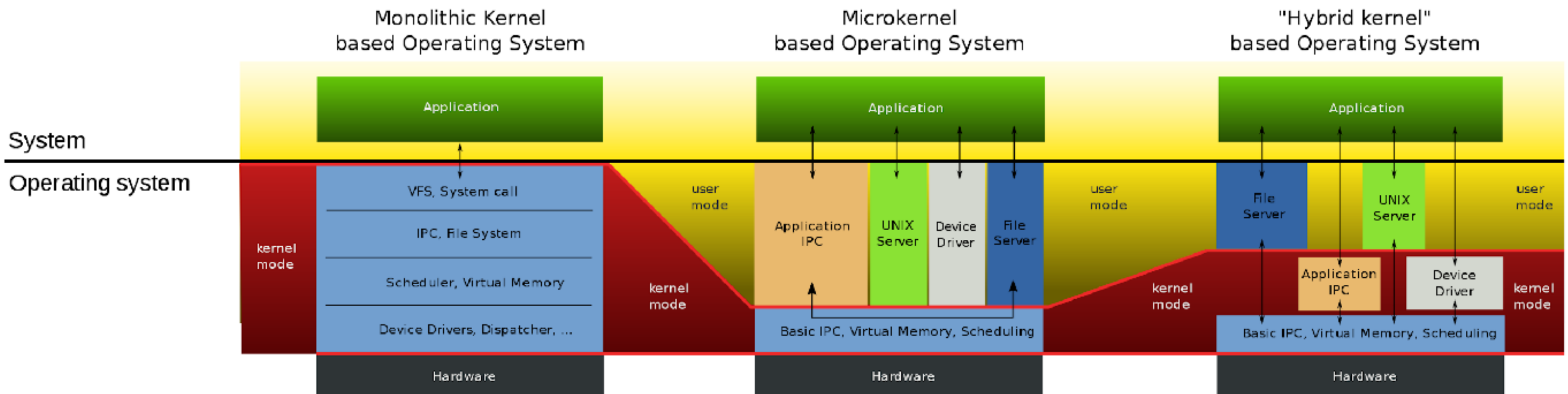
# Why Linux?

- Open Source
- Strong Command Line (CL)

User Interfaces → Command Line Interpreter

based on X-windows → KDE  
Gnome GUIs





## Upgrade and customize kernel

raw kernel

- Add a new HW → Driver
- Assemble an electronic device
- Installing SW → Driver, update kernel, develop a new service
- Increase the security

kernel.org

package naming

1.3.21.5

↓

Version# . Major revision . minor revision . patch

→ speed

LT → Long Term Support

sudo apt install --

yum install --

with root access

```
# make / make modules / make modules  
install / make install / init 6
```

# make menuconfig → Visual Screen

# make xconfig → <sup>ISSUE</sup> <sup>میں نے ٹرانسپیری منسٹر پر</sup> qt

# make oldconfig -y

# make → To compile

# make modules

# make modules install

# make install

# init 6

# uname -r → To get kernel version  
-a

---

Automatic kernel installation (Ubuntu)

~ mkdir newkernel

~ cd newkernel

~ wget <http://kernel.ubuntu.com/>

~ kernel-appar/mainline / <sup>میں نے</sup> <sup>میں نے</sup>

