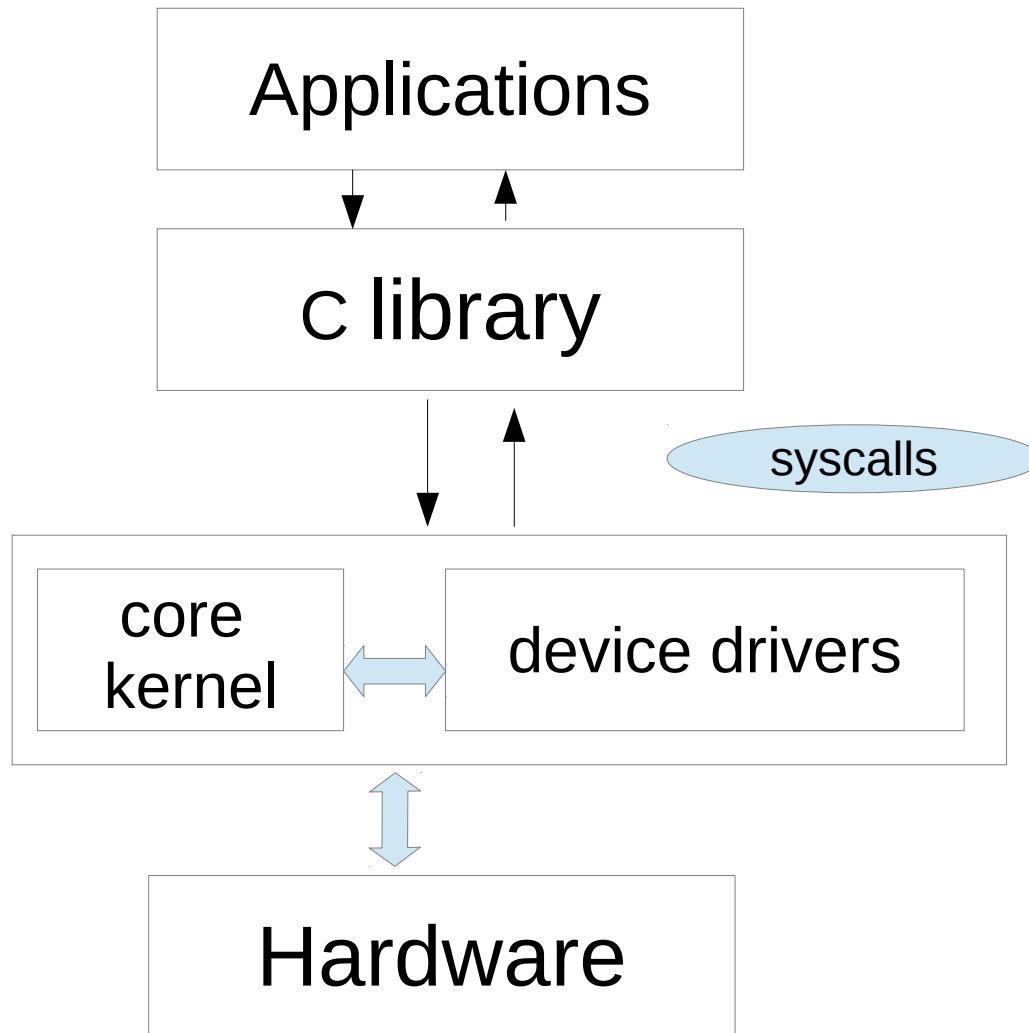


# Short Introduction into Linux

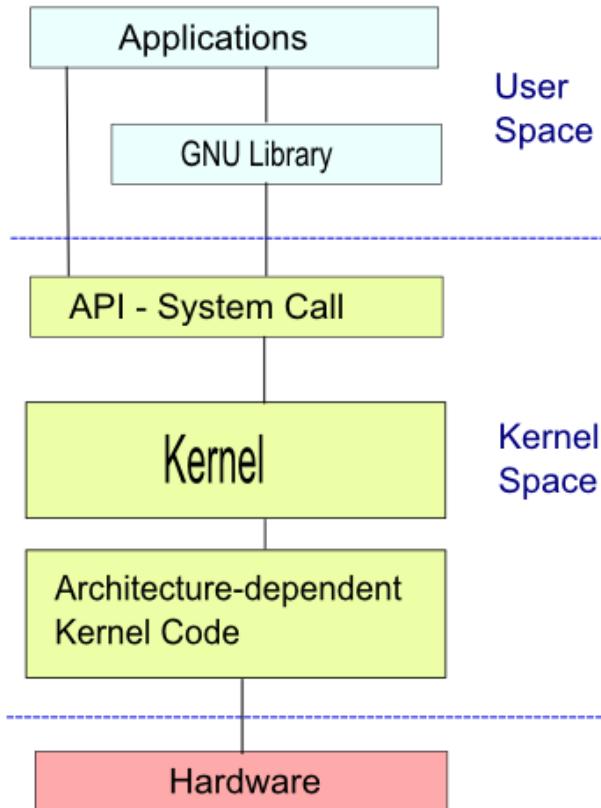
Kirill Krinkin

Jul 2017

# Linux architecture



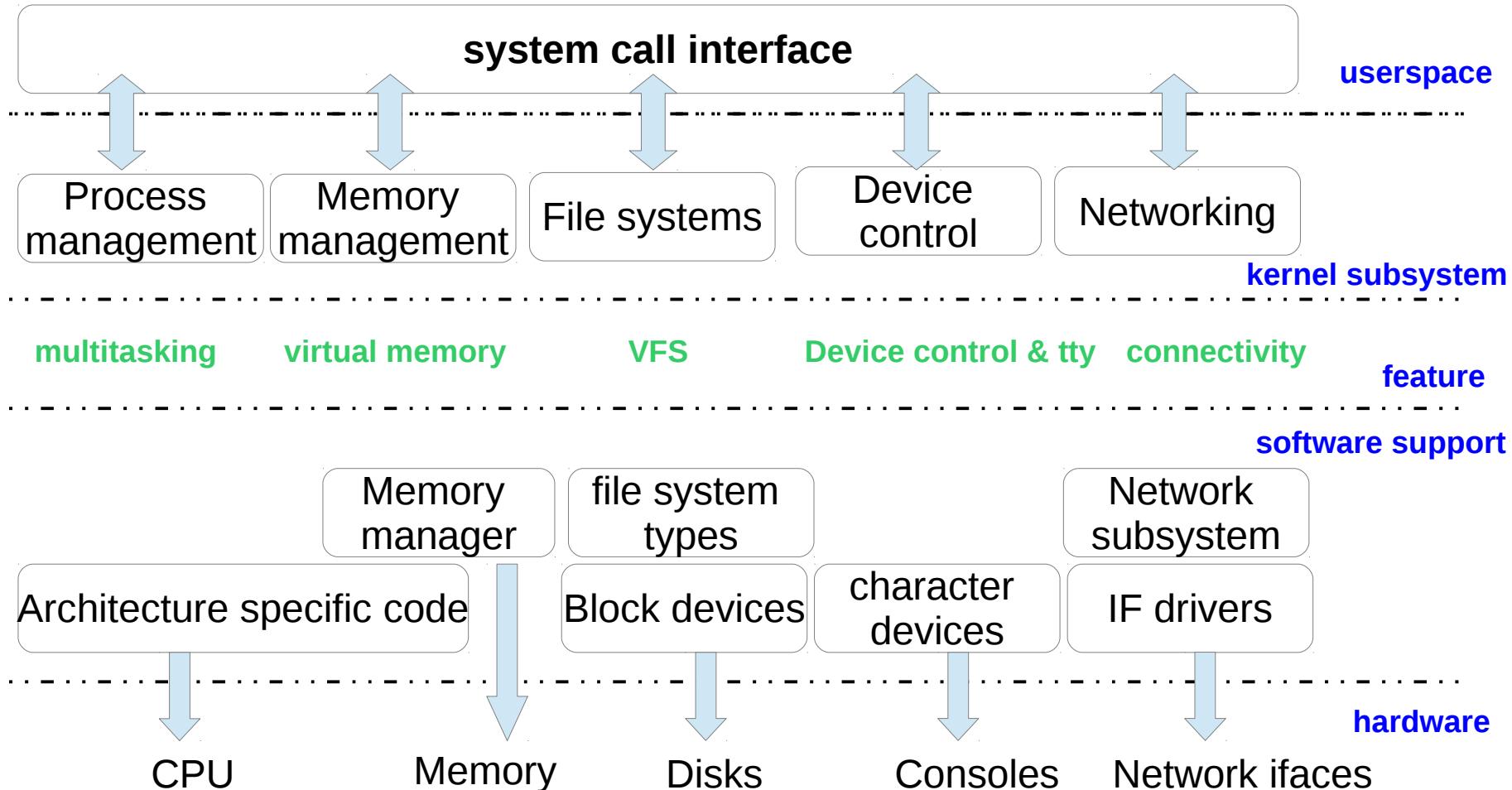
# Linux kernel (1/2 )



Kernel main parts:

- scheduler
- VMM
- IPC

# Linux kernel (2/2)



# GLibc

- Provide C interfaces for applications
- Wraps system calls
- Error handling
- Memory management
- Signal handling
- Executing files

# Unix process

- Hierarchical model (with parents)
- Threads vs processes
- Tools:
  - /proc/
  - ps
  - pstree
  - pmap

# Kernel boot

- Load kernel into memory
- Platform dependent setup
- Platform independent setup

# Contacts

Kirill Krinkin  
[kirill.krinkin@osll.ru](mailto:kirill.krinkin@osll.ru)