user space

session

process group

parent

child1 child2 child3 child4 child5 ...

kernel space

system calls

headers | initialization | kernel facilities | generic interfaces | interprocess communication

terminal handling | virtual memory | vnode management | fast filesystem | misc filesystem

network filesystem | netgraph | ipv4 | ipv6 | wireless

packet filter | IPsec | cryptography | security | geometry layer

common access method layer | peripheral component interconnect

hardware

... cpu | moniter | disks

mouse | keyboard | network links