

## H/W 2

2.12 main advantage: ① Easier to extend a microkernel ② Easier to port the operating system to new architectures

③ More reliable (less code is running in kernel mode) ④ More secure

only the most elementary functions are implemented directly in a central kernel — the microkernel. All other functions are delegated to autonomous processes that communicate with the central kernel via clearly defined communication interfaces.

disadvantages: Performance overhead of user space to kernel space communication

2.14 main advantage: The system is easy to debug and is more secure. (for designer)

Provide a good platform to operate system on a physical system. (for user)

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