CLAIMS

1. A method for controlling a computing device, the method comprising:

controlling a central processing unit;

providing, using a kernel, an interface between the central processing unit and an application to be executed by the central processing unit;

providing a device driver in a user space;

providing a virtual file system in the kernel, the virtual file system being created by the device driver using a File System in user space (FUSE) interface; and

communicating using a communication interface between the device driver and the virtual file system, wherein the application uses the virtual file system to interact with the device driver in the user space.

2. The method of claim 1,

wherein the communication interface comprises the File System in user space (FUSE) interface.

3. The method of claim 1,

wherein the communication interface comprises a virtual interface.

4. The method of claim 3,

wherein the virtual interface is provided in the user space.

5. The method of claim 3,

wherein the virtual interface is provided in the kernel.

6. The method of claim 1,

wherein information about the device driver is communicated using the communication interface.

7. A computer-readable medium comprising instructions which, when executed by a computer, make the computer perform a method for controlling a computing device, the method comprising:

controlling a central processing unit;

providing using a kernel an interface between the central processing unit and an application to be executed by the central processing unit;

providing a device driver in a user space;

providing a virtual file system in the kernel, the virtual file system being created by the device driver using a File System in user space (FUSE) interface; and

communicating using a communication interface between the device driver and the virtual file system, wherein the application uses the virtual file system to interact with the device driver in the user space.

8. The computer-readable medium of claim 7,

wherein the communication interface comprises a fuse the File System in user space (FUSE) interface.

9. The computer-readable medium of claim 7,

wherein the communication interface comprises a virtual interface.

10. The computer-readable medium of claim 9,

wherein the virtual interface is provided in the user space.

11. The computer-readable medium of claim 9,

wherein the virtual interface is provided in the kernel.

12. The computer-readable medium of claim 7,

wherein information about the device driver is communicated using the communication interface.

13. The computer-readable medium of claim 7,

wherein the kernel is provided in a protected area of the computing device; and

wherein the user space is provided outside the kernel.

14. A computing device comprising:

a central processing unit;

a kernel configured to provide an interface between the central processing unit and an application to be executed by the central processing unit;

a device driver provided in a user space;

a virtual file system provided in the kernel, the virtual file system being created by the device driver using a File System in user space (FUSE) interface; and

a communication interface between the device driver and the virtual file system, wherein the application uses the virtual file system to interact with the device driver in the user space.

15. The computing device of claim 14,

wherein the communication interface comprises the File System in user space (FUSE) interface.

16. The computing device of claim 14,

wherein the communication interface comprises a virtual interface.

17. The computing device of claim 16,

wherein the virtual interface is provided in the user space.

18. The computing device of claim 16,

wherein the virtual interface is provided in the kernel.

19. The computing device of claim 14,

wherein the communication interface is configured to communicate information about the device driver.

20. The computing device of claim 14,

wherein the kernel is provided in a protected area of the computing device; and

wherein the user space is provided outside the kernel.