|  |  |  |
| --- | --- | --- |
| **Event** | **Meaning** | **Keyword(s)** |
| Program execution | A program starts running | execve |
| Open | Open something for reading from, or writing to a file. Can also open network sockets for reading from, or sending data to a remote host. | open |
| Internet connection | Invoke an Internet connection: the destination IP address and port number are specified in the parameters. | connect |
| Modification | Something is written somewhere. Can write to a console screen or a file. | write |
| Send data over network | Send data to a remote host through a network. | sendto |
| Read | Read from somewhere. Can read from a file, a keyboard, or even a network connection. | read |
| Get file status | Verify if a file exists, who owns the file, and if the file is executable, writable, or readable. | access/stat/lstat |
| File unlinking | Unlink a file from a specified position in the file system. After unlinking, the operating system will think this file does not exist there. | unlinkat |
| Program end | A program ends execution. A normal exit will signal “0”. Exiting with none-zero value marks the existence of one or more errors during executing. | exit\_group |
| Change file permissions | Change 3 kinds of permissions (read, write, and execute) for 3 kinds of users (root, users in the same group, and the file owner) | fchmodat |