1.Introduction to Linux system

Linux is an open source operating system.

- Main features of Linux

Free and open source; fully compatible with POSIX 1.0 standard; multi-user, multi-tasking; has a good interface; supports multiple platforms.

- Linux major versions

There are currently about 300 Linux distributions, almost all of which can be run as server systems. Linux distributions rarely copy each other. The following are the main popular Linux server distributions:

Red Hat Enterprise Linux (Red Hat Enterprise Linux): This is the first Linux distribution for the commercial market. It is available in server versions and supports numerous processor architectures.

Debian: Debian is extremely stable, which makes it ideal for servers.

CentOS: CentOS is an enterprise Linux distribution built from the ground up using free source code from Red Hat Enterprise Linux. This refactored version completely removes the registered trademark and a very subtle change in the Binary package.

Ubuntu: Ubuntu is a derivative of Debian that focuses on its application in this market and is common on servers, cloud computing, and even some mobile devices running Ubuntu Linux.