

# Что такое терминал, консоль и командная оболочка

**Анастасия Полякова**

Старший инженер безопасности в «Alibaba cloud»

# Цели и задачи урока

**Цель:** познакомиться с понятиями терминала, консоли и командной оболочки.

# Терминал (terminal)



```
Terminal
File Edit View Search Terminal Help
LS(1) User Commands LS(1)

NAME
    ls - list directory contents

SYNOPSIS
    ls [OPTION]... [FILE]...

DESCRIPTION
    List information about the FILES (the current directory by
    default). Sort entries alphabetically if none of -cftuvSUX nor
    --sort is specified.

    Mandatory arguments to long options are mandatory for short
    options too.

    -a, --all
        do not ignore entries starting with .


    -A, --almost-all
        do not list implied . and ..

    --author
        with -l, print the author of each file

    -b, --escape
        print C-style escapes for nongraphic characters

    --block-size=SIZE
    Manual page ls(1) line 1 (press h for help or q to quit)
```

# Консоль



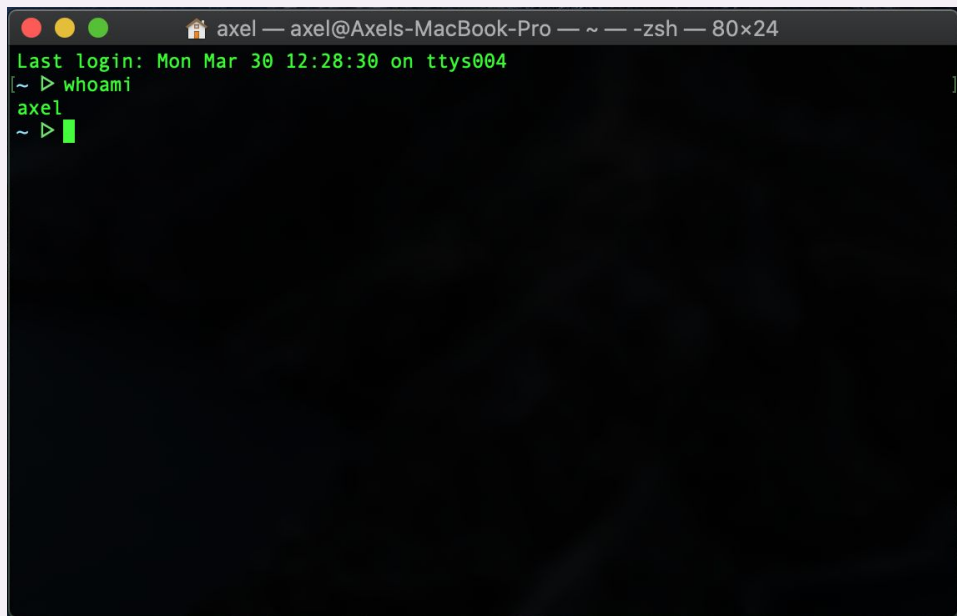
```
ACPI: Unable to locate RSDP
audit(1144514211.853:0): initialized
PCI: PIIX3: Enabling Passive Release on 0000:00:01.0

Welcome to the KNOPPIX live Linux-on-CD!

Scanning for USB/Firewire devices... Done.
Accessing KNOPPIX CDROM at /dev/hdc...
Total memory found: 514580 kB
Creating /ramdisk (dynamic size=400112k) on shared memory...Done.
Creating unionfs and symlinks on ramdisk...
>> Read-only CD/DVD system successfully merged with read-write /ramdisk.
Done.
Starting init process.
INIT: version 2.78-knoppix booting
Running Linux Kernel 2.6.11.
Processor 0 is Pentium II (Klamath) 521MHz, 128 KB Cache
Starting advanced power management daemon: apmd[1185]: apmd 3.2.1 interfacing with apm driver 1.16a
and APM BIOS 1.2
apmd.
APM Bios found, power management functions enabled.
PCMCIA found, starting cardmgr.
USB found, managed by hotplug.
Firewire found, managed by hotplug: (Re-)scanning firewire devices... Done.
Autoconfiguring devices...
Mouse is Generic PS/2 Wheel Mouse at /dev/psaux
```



# Командная оболочка (shell)



```
axel — axel@Axels-MacBook-Pro — ~ — -zsh — 80x24
Last login: Mon Mar 30 12:28:30 on ttys004
~ ▸ whoami
axel
~ ▸ █
```

A screenshot of a macOS terminal window. The title bar shows the window name 'axel', the user 'axel@Axels-MacBook-Pro', the home directory '~', the shell '-zsh', and the window size '80x24'. The terminal content shows a login message 'Last login: Mon Mar 30 12:28:30 on ttys004', followed by the command 'whoami' being executed, which returns the output 'axel'. The prompt is now '~ ▸' with a green cursor.

# Выводы

Таким образом, мы рассмотрели происхождение терминов терминал, консоль и командная оболочка, определили различия между ними.