

# Операционные системы

Обзор Unix-операционных систем различных производителей

# ЧТО ТАКОЕ Unix?



```
C:\Users\Asus\AppData\Local\Temp\Rar$EX63.256\pdp11.exe
PDP-11 simulator U3.8-0
Disabling XQ
@unix

login: root
# echo run unix v6 for bell labs
run unix v6 for bell labs
# echo hello "Volkov S." 666seryoga666 03.03.1995
hello Volkov S. 666seryoga666 03.03.1995
# ls ./
bin
dev
etc
lib
mnt
mnt2
rkunix
rkunix.40
tmp
unix
usr
usr2
# ls ./bin
ar
as
bas
cat
cc
cdb
chgrp
chmod
chown
clri
cmp
cp
date
db
dc
dcheck
dd
df
dsw
du
dump
echo
ed
exit
fc
file
goto
icheck
if
kill
ld
ln
login
ls
mail
mkdir
mv
```

Запуск UNIX V6 в эмуляторе pdp-11 в Windows 7

Что такое BSD?

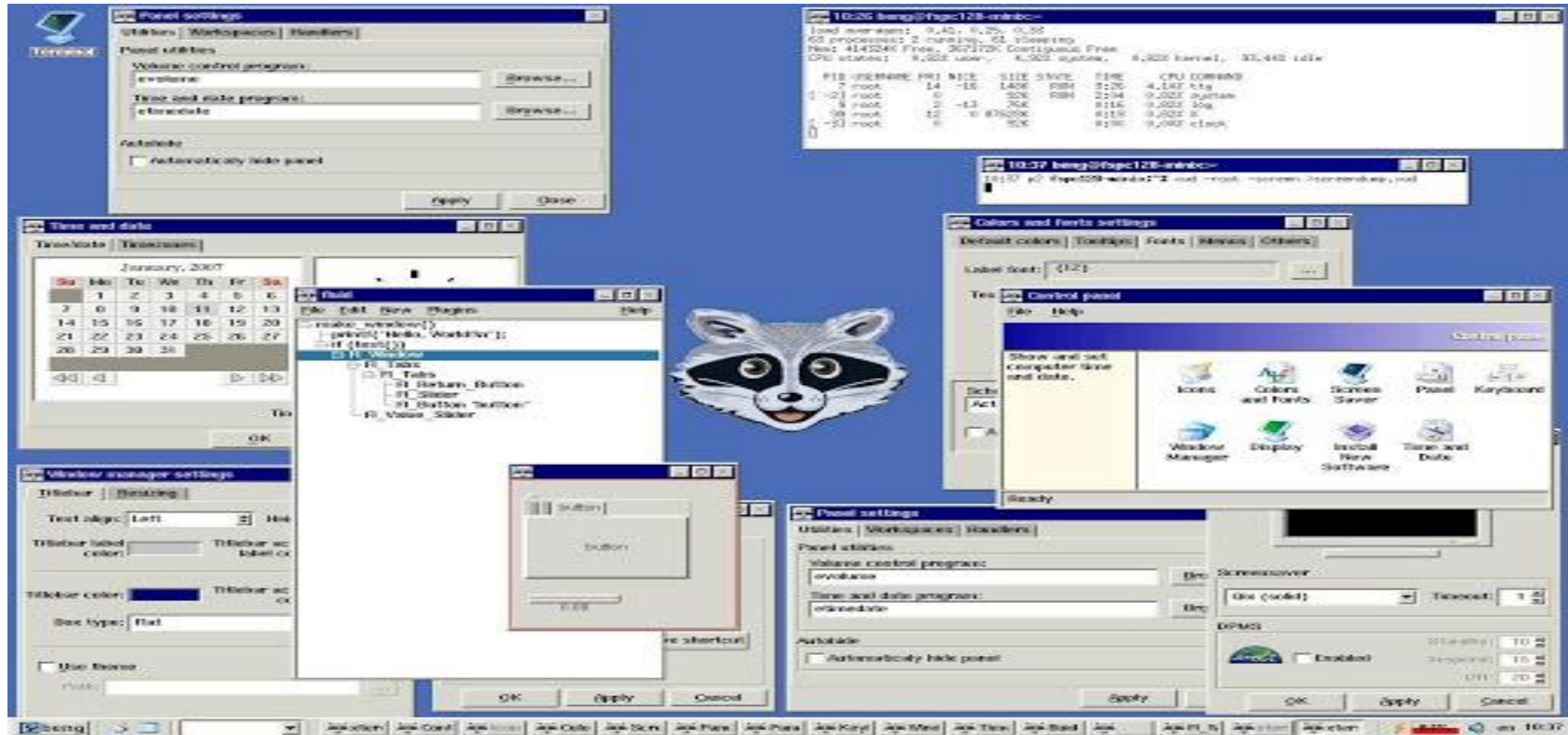




# Sun os



# minix



# xenix

SCO XENIX SYSTEM V

Portions Copyright 1980-1989 Microsoft Corp.  
Portions Copyright 1983-1989 The Santa Cruz Operation, Inc.  
All rights reserved.  
Use, duplication, and disclosure are subject to the terms  
stated in the customer license agreement.  
XENIX is a registered trademark of Microsoft Corporation.

SysV release 2.3.2 kid 0.58 for i80286 Serial Number: nul000000

device	address	vector	dma	comment
/fpu	-	35	-	type=80287
/floppy	0x3F2-0x3F7	06	2	unit=0 type=96ds15
/floppy	-	-	-	unit=1 type=135ds18
/serial	0x3F8-0x3FF	04	-	unit=0 type=Standard nports=1
/parallel	0x378-0x37B	07	-	unit=0
/console	-	-	-	unit=vga type=0

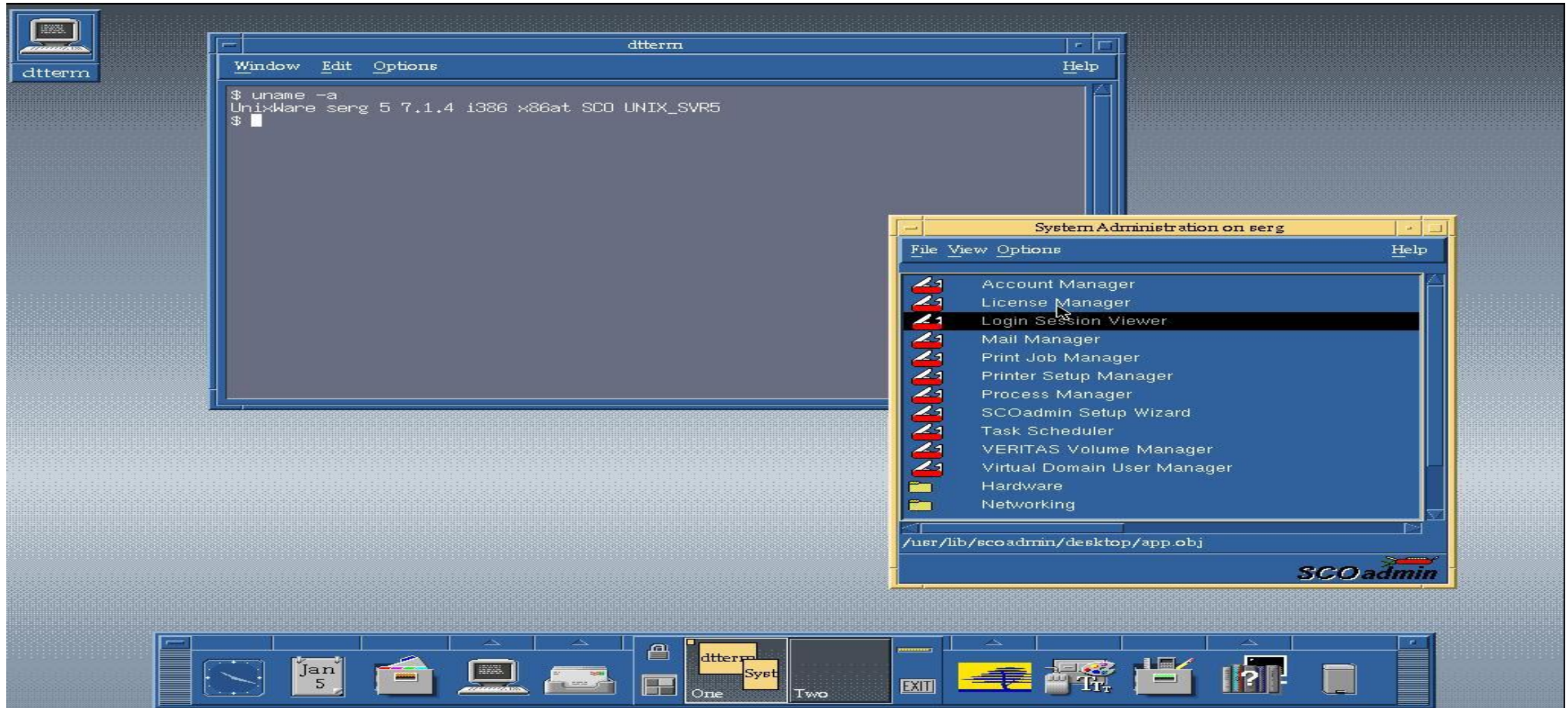
mswap = 1000, swplo = 0, Hz = 50, maximum user process size = 750k  
mem: total = 15872k, reserved = 2k, kernel = 714k, user = 15156k  
kernel: drivers = 1k, msg bufs = 8k, 4 screens = 19k,  
400 block i/o bufs = 400k, 100 character lists.  
rootdev 2/64, pipedev 31/1, swapdev 31/0

WARNING: No floating point emulator found in /etc/emulator

Z



# Unix ware





# HP-ux

Helpview Help

File Search Navigate

Topic Hierarchy

Welcome to HP VUE

---

**Welcome to the  
HP Visual User Environment**

name:ROOT

File Directory View Actions Help

name: / 22 Files 5 Hidden

SYSBCKUP	SYSDEBUG	SYSTEST
UPDATE_CDROM	bin	dev
disc	etc	hp-ux

hpterm

```
# uname -a
HP-UX name B.09.10 A 9000/370 name two-user license
# ioscan -f
Class H/W Path Driver H/W Status S/W Status
-----
hpiib 7 98624 ok(0x301) ok
serial 9 98626 ok(0x3) ok
scsi 14 98265 ok(0x313) ok
disk 14.0 scsi ok(0x501) ok
disk 14.5 scsi ok(0x5800502) ok

#
# █
```

Nov 17 Sat

One Two Three Four Five Six

HP HEWLETT PACKARD

EXIT

Power

7 6 5 4 3 2 1 0

# AIX

```
Topas Monitor for host ██████████
Mon Apr  1 14:38:12 2019   Interval:2

CPU      User%  Kern%  Wait%  Idle%   Physc  Entc%
Total    99.8   0.2    0.0    0.0     2.00  998.13

Network  BPS    I-Pkts  O-Pkts   B-In   B-Out
Total    545.0   1.00    1.00    49.00  496.0

Disk     Busy%   BPS     TPS    B-Read  B-Writ
Total    0.0     0       0       0       0

FileSystem BPS     TPS    B-Read  B-Writ
Total    131K   44.50   131K    0

Name      PID    CPU%  PgSp  Owner
mydaemon  9306548 99.6  12.7M root
BESCLien  6488330 0.3  20.8M root
splunkd   9830714 0.0  75.5M root
topas     9765262 0.0  3.51M root
scopeux   9240868 0.0  4.73M root
sshd      13369710 0.0  1.16M root
getty     10289474 0.0  724K  root
nfsd      5439952 0.0  1.81M root
gil       1573172 0.0  960K  root
ovcd      6619618 0.0  6.28M root
opcmona   5833208 0.0  4.36M root

EVENTS/QUEUES
Cswitch    1106
Syscall    2263
Reads      46
Writes     2
Forks      0
Execs      0
Runqueue   16.00
Waitqueue  0.0

FILE/TTY
Readch     131.1K
Writech    826
Rawin      0
Ttyout     389
Igets     0
Namei      85
Dirblk     0

MEMORY
Real,MB    16384
% Comp     12
% Noncomp  1
% Client   1

PAGING
Faults     4
Steals     0
PgspIn     0
PgspOut    0
PageIn     0
PageOut    0
Sios       0

PAGING SPACE
Size,MB    512
% Used     2
% Free     98

NFS (calls/sec)
SerV2      0
CliV2      0
SerV3      0
CliV3      0
SerV4      0
CliV4      0

WPAR Activ  0
WPAR Total  0
Press: "h"-help
        "q"-quit
```

**Спасибо за  
внимание!**