

OS9 COMMAND WHAT IT DOES

dir	list files
copy	copy files
list	print file content
attr	shows and change access privileges (in OS9 all users of the same group hav same privileges) : from right to left: owner/group and public. Example to make a file executable by everybody, readable by the owner/group and changeable by nobody: attr -e -pe -r -npr -nw -npw file_name
procs	shows running processes
mdir	shows the modules (processes, commands and data modules loaded)
chd	to change directory ('chd ..' goes UP)
mkdir	make a directory
deldir	delete a directory
free	shows free space on Disk (RAM-Disk in this case)
mfree	" " " " RAM
e	editor (very like EDT of VAX , but to "exit" PF1-f and to "quit" PF1-q. Use PF2 for the help)
devs	print device table
ftp	
telnet	
date	date and time
setime	change date and time
kill	to kill a running process. The process ID number has to be given and NOT the process name. The ID is obtained with 'procs'
tmode	to set the terminal mode (e.g. pause/nopause)
events	to list the system events (i.e. semaphores)

OS9 UNIX

help	man
chd	cd
del	rm
copy	cp
mkdir	mkdir
attr	chmod
deldir	rmdir
pd	pwd
list	more

OS9 is case sensitive !!

dir -e

Owner	Last modified	Attributes	Sector	Bytecount	Name
0.0	95/10/11 1630	dsewrewr	3010	29228	errmsg
		r			: owner read
		w			: owner write
		e			: owner execute
		r			: public read
		w			: public write
		e			: public execute
		s			: simple user
		d			: directory

INFOS COMPILATION VACUUM

login os9boot : super
password : usersuper

Compilation packages de base : dans l'ordre Cset, Cm, Su

Compilation applicatifs : d'abord UNIX, puis OS9 (automatique dans cmt)

Les format des fichiers texte OS9 et UNIX ne sont pas compatibles (fin de ligne différente). Il faut TOUJOURS modifier les fichiers OS9 sous UNIX, puis les CONVERTIR au format OS9.

Pour convertir un fichier OS9 → UNIX : `os9tounix.csh` disponible dans
Pour convertir un fichier UNIX → OS9 : `unixtoos9.csh` `/virgoDev/Vacuum`

```
ctrl7[/virgoDev/Vacuum]: ls -l
-r-xr-xr-x 1 jehanno virgo 130 Jun 15 2004 os9tounix.csh*
-r-xr-xr-x 1 jehanno virgo 278 Jun 15 2004 unixtoos9.csh*
```

exemple : on veut convertir un fichier /REP1/File au format UNIX dans /REP2/File au format OS9

```
1- aller dans /REP2/File
2- taper /virgoDev/Vacuum/unixtoos9.csh /REP1/File
```

Boot To : depuis virgoApp
Va : depuis virgoApp
Tu : depuis virgoDev

Pour To et Va le boot monte /virgoApp
/virgoDev est monté par le os9startup

Pour Tu le boot monte /virgoDev
/virgoApp est monté par le os9startup

BOOT To

ctrl7[/virgoApp/Vacuum/To/bootOS9]: ls

```
os9setup* os9startup*
```

SU OS9\$: list /virgoApp/Vacuum/To/bootOS9/os9setup

```
* procedure file for environment variables

***** UNIX Directory used *****
let unixDir = "/virgoApp/Cm/v8r1/OS9:/virgoApp/Vacuum/To/v11r3/binos9"
*****

let path = $(PATH:q)
let path = strcat(%path , ":")
let newpath = strcat(%path , %unixDir)

***** Get Server name from host name *****
let hostName = $("hostname":q)
let serverName = left(%hostName,index(%hostName,".")-1)
*****

***** Environment variable definition for appli *****
setenv CMMGR /virgoApp/Cm/v8r1/OS9
setenv CMDOMAIN Cascina
setenv MYHOST %serverName
setenv PATH %newpath
*****
```

SU OS9\$: list /virgoApp/Vacuum/To/bootOS9/os9startup


```
*****
```

```
SU OS9$: list /virgoApp/Vacuum/Va/bootOS9/os9startup
```

```
*-----  
*----- os9 startup procedure file -----  
*----- last changes: 00/03/15 SC -----  
*----- 00/06/16 SC -----  
*----- 15-06-2004 JEHANNO -----  
*----- 05-07-2004 JEHANNO -----  
*----- boot automatique sur VaServerOS9 --  
*-----  
-nx  
  
echo "-----"  
echo "---- DISKLESS BOOT STARTUP ----"  
echo "-----"  
  
***** Execute OS9 login *****  
profile /r0/.login  
*****  
  
***** Mount unix disk *****  
mount -m -r=1024 -w=1024 virgodev:/virgoDev /virgoDev  
*****  
  
let hostName = $("hostname":q)  
let serverName = left(%hostName,index(%hostName,".")-1)  
  
setenv PATHBIN /virgoApp/Vacuum/Va/v1r3/binos9  
  
profile /virgoApp/Vacuum/Va/bootOS9/os9setup  
  
***** Execution appli *****  
echo "Execution VaLink Server"  
print("host name : [%s] ,server name [%s]\n",%hostName,%serverName)  
chx $(PATHBIN)  
chd $(PATHBIN)  
ex VaServerOS9
```

BOOT Tu

```
ctrl17[/virgoApp/Vacuum/Tu/bootOS9]: more readme.txt
```

These 2 files are a backup copy of the same files located in :

```
/virgoDev/Tu/bootOS9/ISP
```

This copy has been made due to the fact that it was not possible to generate a bootfile for Tu that uses /virgoApp instead of /virgoDev.

For To and Va, the problem does not exist.

JEHANNO - 04.10.05

```
ctrl17[/virgoDev/Vacuum/Tu]: ls -l
```

```
total 24  
drwxrwxrwx 15 supervis virgo 8192 Jun 14 2004 v1r1/  
drwxrwxrwx 14 jehanno virgo 8192 Apr 13 2005 v1r2/  
drwxrwxr-x 13 mabizoua virgo 8192 Apr 17 2005 v2r0/
```

```
ctrl17[/virgoDev/Tu/bootOS9/ISP]: ls
```

```
os9setup* os9startup*
```

```
SU OS9$: list /virgoDev/Tu/bootOS9/ISP/os9setup
```

```
* procedure file for environment variables  
  
***** UNIX Directory used *****  
let unixDir = "/virgoApp/Cm/v8r1/OS9:/virgoApp/Vacuum/Tu/v1r2/binos9"  
*****  
  
let path = $(PATH:q)  
let path = strcat(%path , ":")  
let newpath = strcat(%path , %unixDir)
```

```

***** Get Server name from host name *****
let hostName = $("hostname":q)
let serverName = left(%hostName,index(%hostName,".")-1)
*****

***** Environment variable definition for appli
*****
setenv CMMGR /virgoApp/Cm/v8r1/OS9
setenv CMDOMAIN Cascina
setenv MYHOST %serverName
setenv PATH %newpath
*****
**

SU OS9$: list /virgoDev/Tu/bootOS9/ISP/os9startup
*-----
*----- os9 startup procedure file -----
*----- last changes: 98/09/16 SC -----
*-----                98/09/17 SC -----
*-----                98/10/29 EJ JCM -----
*-----                01/09/26 SC -----
*-----
* NAME      : JEHANNO
* DATE      : 13.04.05
* NATURE    : Compilation with Cm   v8r1
*           :                      CSet v2r8
*           :                      Su   v6r3
*           : no change with path os9setup and
*           : os9startup
*-----
* 08/09/03 no abort on error
-nx
* 08/09/03 no print on screen p 115 shell
*-np

echo "-----"
echo "---- DISKLESS BOOT STARTUP ----"
echo "-----"

***** Execute OS9 login *****
profile /r0/SOURCE/.login
*****

***** Mount unix disk *****
mount -m -r=1024 -w=1024 virgoapp:/virgoApp /virgoApp
*****
sethostname
let hostName = $("hostname":q)
let serverName = left(%hostName,index(%hostName,".")-1)

setenv PATHBIN /virgoApp/Vacuum/Tu/v1r2/binos9

profile /virgoDev/Tu/bootOS9/ISP/os9setup

***** Execution appli *****
echo "Execution Tu Server"
print("host name : [%s] ,server name [%s]\n",%hostName,%serverName)

ex $(PATHBIN)/TuServerOS9 %serverName
*****

```