

# Instal·lació del Topspin 3.2

Faig un primer intent de copiar el Topspin 3.2 Patchlevel-3 instal·lat a l'anterior estació de treball. Si funciona, s'hauran copiat els fitxers del programa, els de configuració, i tots els paràmetres i experiments que ja s'havien creat i configurat a l'anterior estació de treball.

## Còpia de /opt/Bruker

```
root@cie-55-32:/opt# rsync -Hvax --progress --stats
/media/sermnadmin/_opt/Bruker .
sending incremental file list
Bruker/
Bruker/mics/
Bruker/mics/mics.png
      1,226 100%   0.00kB/s   0:00:00 (xfr#1, to-chk=833/836)
...
Bruker/mics/uninstall/mics.lst
      26,885 100%  32.90kB/s   0:00:00 (xfr#723, to-chk=3/836)
Bruker/mics/uninstall/uninstall-mics.sh
       68 100%   0.08kB/s   0:00:00 (xfr#724, to-chk=2/836)
Bruker/mics/uninstall/desktop/
      344 100%   0.42kB/s   0:00:00 (xfr#725, to-chk=0/836)

Number of files: 836 (reg: 725, dir: 108, link: 3)
Number of created files: 836 (reg: 725, dir: 108, link: 3)
Number of deleted files: 0
Number of regular files transferred: 725
Total file size: 227,826,055 bytes
Total transferred file size: 227,826,021 bytes
Literal data: 227,826,021 bytes
Matched data: 0 bytes
File list size: 0
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 227,927,936
Total bytes received: 14,348

sent 227,927,936 bytes  received 14,348 bytes  35,068,043.69 bytes/sec
total size is 227,826,055  speedup is 1.00
```

## Còpia de /opt/topspin3.2

```
root@cie-55-32:/opt# rsync -Hvax --progress --stats
/media/sermnadmin/_opt/topspin3.2 .
sending incremental file list
```

```
topspin3.2//
topspin3.2/birt.md5
          9,693 100%    0.00kB/s    0:00:00 (xfr#1, ir-chk=1068/1070)
topspin3.2/cmca -> prog/bin/cmca
topspin3.2/cmcajava.md5
          77 100%    75.20kB/s    0:00:00 (xfr#2, ir-chk=1066/1070)
topspin3.2/docpr.md5
        63,892 100%    6.09MB/s    0:00:00 (xfr#3, ir-chk=1065/1070)
...
topspin3.2/uninstall/desktop/bruker-nmr-sim-5.5.desktop
          347 100%    0.51kB/s    0:00:00 (xfr#33986, to-chk=1/37295)
topspin3.2/uninstall/desktop/bruker-topspin-3.2.desktop
          351 100%    0.51kB/s    0:00:00 (xfr#33987, to-chk=0/37295)
topspin3.2/prog/wobble/pp_birds => prog/wobble/pulsprog_X

Number of files: 37,295 (reg: 34,131, dir: 3,099, link: 65)
Number of created files: 37,008 (reg: 34,009, dir: 2,937, link: 62)
Number of deleted files: 0
Number of regular files transferred: 33,987
Total file size: 1,595,599,228 bytes
Total transferred file size: 1,472,890,025 bytes
Literal data: 1,472,890,025 bytes
Matched data: 0 bytes
File list size: 524,252
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 1,475,326,889
Total bytes received: 665,559

sent 1,475,326,889 bytes  received 665,559 bytes  27,082,430.24 bytes/sec
total size is 1,595,599,228  speedup is 1.08
```

## Còpia de /usr/diskless

```
root@cie-55-32:/usr# rsync -Hvax --progress --stats
/media/sermnadmin/_/usr/diskless .
sending incremental file list
diskless/
diskless/bfsd
          22,472 100%    0.00kB/s    0:00:00 (xfr#1, to-chk=909/911)
diskless/bfsd.linux
          14,572 100%   13.90MB/s    0:00:00 (xfr#2, to-chk=908/911)
diskless/crco
        3,223,884 100%   34.16MB/s    0:00:00 (xfr#3, to-chk=907/911)
...
Number of files: 911 (reg: 582, dir: 71, link: 79, dev: 179)
Number of created files: 911 (reg: 582, dir: 71, link: 79, dev: 179)
```

```
Number of deleted files: 0
Number of regular files transferred: 550
Total file size: 45,630,664 bytes
Total transferred file size: 42,416,001 bytes
Literal data: 42,416,001 bytes
Matched data: 0 bytes
File list size: 0
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 42,467,565
Total bytes received: 13,005
```

```
sent 42,467,565 bytes  received 13,005 bytes  16,992,228.00 bytes/sec
total size is 45,630,664  speedup is 1.07
```

## Còpia de /usr/local/flexlm

```
root@cie-55-32:/usr# rsync -Hvax --progress --stats
/media/sermnadmin/_/usr/local/flexlm .
sending incremental file list
flexlm/
flexlm/flexlm.md5
      1,013 100%   0.00kB/s   0:00:00 (xfr#1, to-chk=28/30)
flexlm/Bruker/
flexlm/Bruker/bruker_lmgr
      4,310 100%   4.11MB/s   0:00:00 (xfr#2, to-chk=25/30)
...
flexlm/Bruker/lmdiag => flexlm/Bruker/lmver
flexlm/Bruker/lmborrow => flexlm/Bruker/lmver
```

```
Number of files: 30 (reg: 25, dir: 5)
Number of created files: 30 (reg: 25, dir: 5)
Number of deleted files: 0
Number of regular files transferred: 12
Total file size: 13,224,694 bytes
Total transferred file size: 3,601,158 bytes
Literal data: 3,601,158 bytes
Matched data: 0 bytes
File list size: 0
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 3,603,484
Total bytes received: 627
```

```
sent 3,603,484 bytes  received 627 bytes  7,208,222.00 bytes/sec
total size is 13,224,694  speedup is 3.67
```

## Còpia de /tftpboot

```
root@cie-55-32:/# rsync -Hvax --progress --stats
/media/sermnadmin/_/tftpboot .
sending incremental file list
tftpboot/
tftpboot/dhcpd
      43 100%    0.00kB/s    0:00:00 (xfr#1, to-chk=19/21)
tftpboot/dhcpd.conf
     7,416 100%    7.07MB/s    0:00:00 (xfr#2, to-chk=18/21)
tftpboot/dhcpd.conf.winepr
     3,099 100%    2.96MB/s    0:00:00 (xfr#3, to-chk=17/21)
tftpboot/install-services
    10,882 100%   10.38MB/s    0:00:00 (xfr#4, to-chk=16/21)
...
tftpboot/pxes/vmlinuz-2.4.32-12pxes.i586
    752,023 100%    3.25MB/s    0:00:00 (xfr#15, to-chk=2/21)
tftpboot/pxes/pxelinux.cfg/
tftpboot/pxes/pxelinux.cfg/default
     1,130 100%    4.97kB/s    0:00:00 (xfr#16, to-chk=0/21)

Number of files: 21 (reg: 16, dir: 4, link: 1)
Number of created files: 21 (reg: 16, dir: 4, link: 1)
Number of deleted files: 0
Number of regular files transferred: 16
Total file size: 7,458,244 bytes
Total transferred file size: 7,458,218 bytes
Literal data: 7,458,218 bytes
Matched data: 0 bytes
File list size: 0
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 7,461,312
Total bytes received: 347

sent 7,461,312 bytes  received 347 bytes  14,923,318.00 bytes/sec
total size is 7,458,244  speedup is 1.00
```

## Còpia dels fitxers de configuració

### /etc/hosts

```
# Do not remove the following line, or various programs
# that require network functionality will fail.
127.0.0.1    localhost
192.168.2.14 cie-55-32.sermn.net    cie-55-32
```

```
# The following lines are desirable for IPv6 capable hosts
::1    localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

# SeRMN - Servers and network devices
#
192.168.2.1    sermn.sermn.net    sermn    # firewall &
gateway
192.168.2.2    sermnserver.sermn.net    sermnserver    # sermn
server
149.236.99.1    ASP_ST2
149.236.99.99    spect
```

## **/etc/resolv.conf**

```
domain sermn.net
search sermn.net
nameserver 192.168.2.1
```

## **/etc/hosts.allow**

```
# /etc/hosts.allow: list of hosts that are allowed to access the system.
#           See the manual pages hosts_access(5) and
hosts_options(5).
#
# Example:    ALL: LOCAL @some_netgroup
#           ALL: .foobar.edu EXCEPT terminalserver.foobar.edu
#
# If you're going to protect the portmapper use the name "rpcbind" for the
# daemon name. See rpcbind(8) and rpc.mountd(8) for further information.
#
ALL : 149.236.99.
ALL : 149.236.99.99
```

## **/etc/exports**

Copio el contingut del fitxer */etc/exports* de l'anterior estació de treball per configurar les carpetes compartides en xarxa amb la consola (CCU-11) i amb el servidor de dades

```
# export data folder to SeRMN data server
/home/sermnuab/data
sermnserver.sermn.net(ro,sync,no_subtree_check,root_squash,all_squash,insecure)
# /home/sermnuab/data    sermnserver(ro,sync)
```

```
# export lists folder to SeRMN data server
/opt/topspin3.2/exp/stan/nmr/lists
sermnserver.sermn.net(ro, sync, no_subtree_check, root_squash, all_squash, insecure)

# DO NOT MAKE CHANGES BELOW THIS LINE

/usr/diskless/dl_usr          spect(sync, ro)
/usr/diskless/clients/spect   spect(sync, rw, no_root_squash)
```

## **/etc/services**

Afegeixo al final del fitxer */etc/services* les línies

```
# Local services
bfs          2201/udp          # BRUKER: bootfiles server
bruker_ls    1753/tcp          # FLEXlm licensing for Bruker
```

## **/etc/init.d/bfsd i /etc/init.d/bruker\_lmgr**

Copio els fitxers *bfsd* i *bruker\_lmgr* dins la carpeta */etc/init.d* i creo els enllaços necessaris perquè els serveis es posin en marxa o s'aturien en funció del runlevel.

```
root@cie-55-32:/etc/init.d# update-rc.d bfsd defaults
insserv: warning: current start runlevel(s) (2 3 4 5) of script `bfsd'
overrides LSB defaults (2 3 5).
insserv: warning: current stop runlevel(s) (0 1 6) of script `bfsd'
overrides LSB defaults (0 6).
```

```
root@cie-55-32:/etc# ls -l rc?.d/*bfs*
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc0.d/K01bfsd -> ../init.d/bfsd
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc1.d/K01bfsd -> ../init.d/bfsd
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc2.d/S02bfsd -> ../init.d/bfsd
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc3.d/S02bfsd -> ../init.d/bfsd
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc4.d/S02bfsd -> ../init.d/bfsd
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc5.d/S02bfsd -> ../init.d/bfsd
lrwxrwxrwx 1 root root 14 Apr 18 14:27 rc6.d/K01bfsd -> ../init.d/bfsd
```

```
root@cie-55-32:/etc# update-rc.d bruker_lmgr defaults
```

```
root@cie-55-32:/etc# ls -l rc?.d/*bruker*
lrwxrwxrwx 1 root root 21 Apr 18 14:29 rc0.d/K01bruker_lmgr ->
../init.d/bruker_lmgr
lrwxrwxrwx 1 root root 21 Apr 18 14:29 rc2.d/S02bruker_lmgr ->
../init.d/bruker_lmgr
lrwxrwxrwx 1 root root 21 Apr 18 14:29 rc3.d/S02bruker_lmgr ->
../init.d/bruker_lmgr
```

```
lrwxrwxrwx 1 root root 21 Apr 18 14:29 rc5.d/S02bruker_lmgr ->
../init.d/bruker_lmgr
lrwxrwxrwx 1 root root 21 Apr 18 14:29 rc6.d/K01bruker_lmgr ->
../init.d/bruker_lmgr
```

## **/etc/bootparams**

Copio el contingut del fitxer */etc/bootparams* de l'anterior estació de treball

```
# /etc/bootparams: provide diskless clients with information necessary
#                      for booting. See bootparamd(8) for further information.
#
# Format :  client id=server:path
#
# Example:  client_1   base=server_1:/path/to/basedir
#
spect    root=ASP_ST2:/usr/diskless/clients/spect/root
swap=ASP_ST2:/usr/diskless/clients/spect/swapfile
dump=ASP_ST2:/usr/diskless/clients/spect/dump
```

## **/etc/dhcp/dhcp.conf.BRUKER**

Copio el contingut del fitxer */etc/dhcp/dhcp.conf.BRUKER* de l'anterior estació de treball com a */etc/dhcp/dhcp.conf.BRUKER* i */etc/dhcp/dhcp.conf*.

## **/etc/network/interfaces**

Comprovo la configuració de la xarxa de la consola

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# Ethernet interfaces are assigned to physical devices in a
# persistent way according to rules in file:
#
#   /etc/udev/rules.d/70-persistent-net.rules
#
# Hence, each of eth0 and eth1 will **always** correspond to
# the same device. The configuration below assumes that,
#
#   eth0 -> lan (internet)
```

```
# eth1 -> nmr (spectrometer ccu or ipso)
#
auto eth0 eth1

# LAN / INTERNET - Assigned to the primary network interface,
# which usually will be the motherboard integrated NIC.
#
iface eth0 inet static
    address 192.168.2.14
    netmask 255.255.255.0
    broadcast 192.168.2.255
    gateway 192.168.2.1

# NMR CONSOLE LAN - Assigned to the secondary network interface,
# which usually will be the added NIC.
#
iface eth1 inet static
    address 149.236.99.1
    netmask 255.255.255.0
    network 149.236.99.0
    broadcast 10.10.255.255
```

## **/etc/profile.d/topspin.[csh,sh]**

### **topspin.csh**

```
setenv PATH /opt/topspin3.1/prog/bin/scripts:${PATH} # created by Bruker
software Installer
```

### **topspin.sh**

```
PATH=/opt/topspin3.1/prog/bin/scripts:$PATH # created by Bruker software
Installer
```

## **/etc/profile.d/mics.[csh,sh]**

### **mics.csh**

```
setenv MICS_HOME /opt/Bruker/mics # created by Bruker NMR Software Installer
```

### **mics.sh**

```
MICS_HOME=/opt/Bruker/mics; export MICS_HOME # created by Bruker NMR
```



## Software Installer

## Còpia del contingut de /home/sermnadmin

### /home/sermnadmin/Downloads

```
root@cie-55-32:/home/sermnadmin/Downloads# rsync -Hvax --progress --stats
/media/sermnadmin/_home/sermnadmin/Downloads .
sending incremental file list
Downloads/
Downloads/Centos-5/
Downloads/Centos-5/epel-release-latest-5.noarch.rpm
      12,232 100%   0.00kB/s   0:00:00 (xfr#1, ir-chk=1045/1053)
Downloads/Centos-5/rpmforge-release-0.5.3-1.el5.rf.x86_64.rpm
      12,582 100%   1.09MB/s   0:00:00 (xfr#2, ir-chk=1044/1053)
...
Downloads/Topspin32-installation-on-CentOS/topspin_prep_for_centos_2.txt
      23,241 100%   22.63kB/s   0:00:01 (xfr#127214, to-chk=1/148237)
Downloads/Topspin32-installation-on-CentOS/topspin_prep_for_centos_3.txt
      52,053 100%   50.58kB/s   0:00:01 (xfr#127215, to-chk=0/148237)

Number of files: 148,237 (reg: 127,217, dir: 21,004, link: 16)
Number of created files: 148,010 (reg: 127,215, dir: 20,789, link: 6)
Number of deleted files: 0
Number of regular files transferred: 127,215
Total file size: 14,836,876,588 bytes
Total transferred file size: 14,836,851,456 bytes
Literal data: 14,836,851,456 bytes
Matched data: 0 bytes
File list size: 655,324
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 14,848,372,388
Total bytes received: 2,557,965

sent 14,848,372,388 bytes  received 2,557,965 bytes  32,603,579.26 bytes/sec
total size is 14,836,876,588  speedup is 1.00
```

## Còpia del contingut de /home/sermnauab

### /home/sermnadmin/Downloads

```
root@cie-55-32:/home/sermnauab# rsync -Hvax --progress --stats
/media/sermnadmin/_home/sermnauab/Downloads .
sending incremental file list
Downloads/
```

```
Downloads/20150814-BKUP-OLD-COMPUTER-home-nmrsu/
Downloads/20150814-BKUP-OLD-COMPUTER-home-nmrsu/2.pdf
      435,321 100%   76.78MB/s    0:00:00 (xfr#1, ir-chk=1028/1032)
Downloads/20150814-BKUP-OLD-COMPUTER-home-nmrsu/DSS_28Si_cpmas.tif
      84,485 100%    4.74MB/s    0:00:00 (xfr#2, ir-chk=1027/1032)
Downloads/20150814-BKUP-OLD-COMPUTER-home-nmrsu/Grups_d'alumnes_
_Metodologia_de_treball_al_laboratori_de_I+D.pdf
      11,189 100%   642.75kB/s    0:00:00 (xfr#3, ir-chk=1026/1032)
Downloads/20150814-BKUP-OLD-COMPUTER-home-nmrsu/XaviM18.tif
     1,503,302 100%   23.89MB/s    0:00:00 (xfr#4, ir-chk=1025/1032)
...
Downloads/Topspin-2.1_at_old-computer/opt_topspin_prog_logfiles/heliumlog
     213,915 100%    1.18MB/s    0:00:00 (xfr#15335, to-chk=2/17552)
Downloads/Topspin-2.1_at_old-
computer/opt_topspin_prog_logfiles/heliumlog.err
     167,745 100%   925.50kB/s    0:00:00 (xfr#15336, to-chk=1/17552)
Downloads/Topspin-2.1_at_old-computer/opt_topspin_prog_logfiles/setpre.log
      465 100%    2.55kB/s    0:00:00 (xfr#15337, to-chk=0/17552)

Number of files: 17,552 (reg: 15,672, dir: 1,880)
Number of created files: 16,965 (reg: 15,337, dir: 1,628)
Number of deleted files: 0
Number of regular files transferred: 15,337
Total file size: 1,728,513,913 bytes
Total transferred file size: 1,719,488,604 bytes
Literal data: 1,719,488,604 bytes
Matched data: 0 bytes
File list size: 458,721
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 1,720,837,030
Total bytes received: 303,178

sent 1,720,837,030 bytes  received 303,178 bytes  33,420,198.21 bytes/sec
total size is 1,728,513,913  speedup is 1.00
```

## /home/sermnadmin/Documents

```
root@cie-55-32:/home/sermnadmin# rsync -Hvax --progress --stats
/media/sermnadmin/_home/sermnadmin/Documents .
sending incremental file list
Documents/
Documents/henkel.pdf
      35,047 100%    2.17MB/s    0:00:00 (xfr#1, ir-chk=1007/1009)
Documents/Pau/
Documents/Pau/2.pdf
      435,321 100%   27.68MB/s    0:00:00 (xfr#2, ir-chk=1023/1027)
Documents/Pau/DSS_28Si_cpmas.tif
```

```
      84,485 100%    3.10MB/s    0:00:00 (xfr#3, ir-chk=1022/1027)
...
Documents/Pau/HPLC-RMN-SPE-MS._files/serveis_r7_c6.gif
      401 100%    0.75kB/s    0:00:00 (xfr#2633, to-chk=1/3060)
Documents/Pau/HPLC-RMN-SPE-MS._files/serveis_r7_c8.gif
      401 100%    0.75kB/s    0:00:00 (xfr#2634, to-chk=0/3060)

Number of files: 3,060 (reg: 2,634, dir: 426)
Number of created files: 3,060 (reg: 2,634, dir: 426)
Number of deleted files: 0
Number of regular files transferred: 2,634
Total file size: 142,628,945 bytes
Total transferred file size: 142,628,945 bytes
Literal data: 142,628,945 bytes
Matched data: 0 bytes
File list size: 0
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 142,822,952
Total bytes received: 52,950

sent 142,822,952 bytes  received 52,950 bytes  21,980,908.00 bytes/sec
total size is 142,628,945  speedup is 1.00
```

## /home/sermnadmin/Pictures

```
root@cie-55-32:/home/sermnadmin# rsync -Hvax --progress --stats
/media/sermnadmin/_home/sermnadmin/Pictures .
sending incremental file list
Pictures/
Pictures/Icons/
Pictures/Icons/Dialog-Warning3.png
      2,250 100%    0.00kB/s    0:00:00 (xfr#1, to-chk=3/7)
Pictures/Screenshots/
Pictures/Screenshots/20160129-1317-Screenshot-probefield-main.png
      209,137 100%   12.47MB/s    0:00:00 (xfr#2, to-chk=2/7)
Pictures/Screenshots/20160129-1318-Screenshot-probefield-log.png
      249,240 100%    9.14MB/s    0:00:00 (xfr#3, to-chk=1/7)
Pictures/Screenshots/20160129-1318-Screenshot-probefield-setup.png
      201,320 100%    3.49MB/s    0:00:00 (xfr#4, to-chk=0/7)

Number of files: 7 (reg: 4, dir: 3)
Number of created files: 7 (reg: 4, dir: 3)
Number of deleted files: 0
Number of regular files transferred: 4
Total file size: 661,947 bytes
Total transferred file size: 661,947 bytes
Literal data: 661,947 bytes
Matched data: 0 bytes
File list size: 0
```

```
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 662,568
Total bytes received: 108
```

```
sent 662,568 bytes   received 108 bytes   1,325,352.00 bytes/sec
total size is 661,947   speedup is 1.00
```

## /home/sermnadmin/data

```
root@cie-55-32:/home/sermnadmin# rsync -Hvax --progress --stats
/media/sermnadmin/_home/sermnadmin/data .
sending incremental file list
data/
data/accept/
data/accept/nmr/
data/accept/nmr/8113_0028csol/
data/accept/nmr/8113_0028csol/1/
data/accept/nmr/8113_0028csol/1/acqu
      8,157 100%    0.00kB/s    0:00:00 (xfr#1, ir-chk=1007/1064)
data/accept/nmr/8113_0028csol/1/acqus
      8,114 100%    7.74MB/s    0:00:00 (xfr#2, ir-chk=1006/1064)
...
data/usuaris/nmr/Trilla_MT6_T28/2/pdata/1/proc
      1,619 100%    1.88kB/s    0:00:00 (xfr#111660, to-chk=2/130819)
data/usuaris/nmr/Trilla_MT6_T28/2/pdata/1/procs
      1,620 100%    1.88kB/s    0:00:00 (xfr#111661, to-chk=1/130819)
data/usuaris/nmr/Trilla_MT6_T28/2/pdata/1/title
      142 100%    0.16kB/s    0:00:00 (xfr#111662, to-chk=0/130819)

Number of files: 130,819 (reg: 111,662, dir: 19,157)
Number of created files: 130,819 (reg: 111,662, dir: 19,157)
Number of deleted files: 0
Number of regular files transferred: 111,662
Total file size: 6,246,793,150 bytes
Total transferred file size: 6,246,793,150 bytes
Literal data: 6,246,793,150 bytes
Matched data: 0 bytes
File list size: 262,138
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 6,255,219,972
Total bytes received: 2,252,130

sent 6,255,219,972 bytes   received 2,252,130 bytes   21,614,756.83 bytes/sec
total size is 6,246,793,150   speedup is 1.00
```

## /home/sermnadmin/NMRSIM\_SESSION

```
root@cie-55-32:/home/sermnuab# rsync -Hvax --progress --stats
/media/sermnadmin/_home/sermnuab/NMRSIM_SESSION .
sending incremental file list
NMRSIM_SESSION/
NMRSIM_SESSION/.shell-PPDisplay
      15 100%    0.00kB/s    0:00:00 (xfr#1, to-chk=63/65)
NMRSIM_SESSION/example.job
     411 100%   80.27kB/s    0:00:00 (xfr#2, to-chk=62/65)
...
NMRSIM_SESSION/wave/chirp2.shp
    13,603 100%  492.01kB/s    0:00:00 (xfr#58, to-chk=1/65)
NMRSIM_SESSION/wave/gauss.shp
    25,562 100%  891.53kB/s    0:00:00 (xfr#59, to-chk=0/65)

Number of files: 65 (reg: 59, dir: 6)
Number of created files: 65 (reg: 59, dir: 6)
Number of deleted files: 0
Number of regular files transferred: 59
Total file size: 72,388 bytes
Total transferred file size: 72,388 bytes
Literal data: 72,388 bytes
Matched data: 0 bytes
File list size: 0
File list generation time: 0.001 seconds
File list transfer time: 0.000 seconds
Total bytes sent: 76,011
Total bytes received: 1,169

sent 76,011 bytes  received 1,169 bytes  154,360.00 bytes/sec
total size is 72,388  speedup is 0.94
```

## Com crear un application-launcher pel TopSpin

Consultar,

- [How do you create a custom application launcher in Gnome Shell?](#)
- [A. Registered Categories](#)
- [Desktop files: putting your application in the desktop menus](#)

Alternativament es podria emprar l'extensió *MyLauncher*, que és menú personalitzable «which can launch links, shell scripts, apps, and open folders. Right-click the menu after installation to edit the launcher. See help on the right-click for listing of all options.»

- [MyLauncher Gnome Shell Extension.](#)
- [MyLauncher Extension Homepage.](#)

## Primer intent d'engegar la consola (CCU)

Amb la comanda `cu -l ttyS2` em connecto a la CCU per port sèrie per tal de monitoritzar el procés de posta en marxa,

```
sermnadmin@cie-55-32:~$ cu -l ttyS2
Connected.

Fast ethernet (FEN): 100 MBit/s, half duplex

Autoboot: Waiting to load
bfs()/usr/diskless/clients/spect/root/unix.r4600_std (CTRL-C to abort)
loading

Fast ethernet (FEN): 100 MBit/s, half duplex
Obtaining /usr/diskless/clients/spect/root/unix.r4600_std from server
cie-55-32
799504+98976+804288 entry: 0x80021000
CPU: MIPS R4700 Processor Chip Revision: 1.0
FPU: MIPS R4700 Floating Point Unit [CP1] Revision: 1.0

RISC/os Release 4_52 mips Version UMIPS
Total real memory   = 16777216
Available memory    = 14442496
Root on nfs file :,Swap on nfs file :
Fast ethernet (FEN) : 100 MBit/s, full duplex
hostname: spect
domainname: (none)
mountnfs: ASP_ST2:/usr/diskless/clients/spect/root portmap not responding
```

El darrer missatge indica que no aconsegueix establir connexió amb el servidor per descarregar-se els fitxers, i quan ho comprovo al servidor em diu que no té cap ruta per accedir el client (spect),

```
root@cie-55-32:/# rpcinfo -p 149.236.99.90
rpcinfo: can't contact portmapper: RPC: Remote system error - No route to
host
```

on les rutes definides són,

```
root@cie-55-32:/# route --verbose --numeric
Kernel IP routing table
Destination      Gateway          Genmask         Flags Metric Ref    Use
Iface
0.0.0.0          192.168.2.1     0.0.0.0         UG    0      0      0 eth0
149.236.99.0     0.0.0.0         255.255.255.0   U     0      0      0 eth1
192.168.2.0      0.0.0.0         255.255.255.0   U     0      0      0 eth0
```

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