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Afficher les cartes réseaux

```
root@parv4704:/opt/langtools/bin$ lanscan
Hardware Station        Crd  Hdw   Net-Interface    NM   MAC       HP-DLPI DLPI
Path     Address        In#  State NamePPA          ID   Type      Support Mjr#
1/0/1/1/0/4/0 0x0017A476781D 0    UP    lan0 snap0       1    ETHER       Yes   119
1/0/2/1/0/6/0 0x001560DEB7E4 1    UP    lan1 snap1       2    ETHER       Yes   119
1/0/2/1/0/6/1 0x001560DEB7E5 2    UP    lan2 snap2       3    ETHER       Yes   119
1/0/4/1/0/6/0 0x001560DEB75C 3    UP    lan3 snap3       4    ETHER       Yes   119
1/0/4/1/0/6/1 0x001560DEB75D 4    UP    lan4 snap4       5    ETHER       Yes   119
```

Obtenir des infos supplémentaires

```
root@parv4704:/opt/langtools/bin$ lanshow
                 ----------------------------------------
                |                                        |
                |         lanshow ( Version :   2.87 )   |
                |                                        |
                |    This tool is for HP support only    |
                 ----------------------------------------


libp4 (9.142): Opening /stand/vmunix /dev/kmem

Loading symbols from /stand/vmunix
Kernel TEXT pages not requested in crashconf
Will use an artificial mapping from a.out TEXT pages
Loading symbols from /stand/dlkm/mod.d/SEOS

Executing :  /usr/contrib/bin/lanshow-a-2


Name   PPA   Driver      Interface           Mac       States       IP
               Name      Description        Address    Link IP     Address
-------------------------------------------------------------------------------
lan0    0    igelan  1000Base-T  Core   0x0017a476781d UP   UP   A.B.C.D
                                                       UP   A.B.C.D
lan1    1    iether  1000Base-T         0x001560deb7e4 UP   DOWN 0.0.0.0
lan2    2    iether  1000Base-T         0x001560deb7e5 UP   UP   10.255.21.14
lan3    3    iether  1000Base-T         0x001560deb75c DOWN n/c  n/c
lan4    4    iether  1000Base-T         0x001560deb75d UP   DOWN 0.0.0.0

n/c : means "Not Configured", ifconfig has not been done on this interface
```

Voir la vitesse d'une carte

```
root@parv4704:/opt/langtools/bin$ lanadmin -s -x 0
Speed                          = 100000000
Speed = 100 Half-Duplex.
Autonegotiation = On.
```

Changer la vitesse d'une carte et fixer les paramètres après reboot

```
root@parv4704:/opt/langtools/bin$ lanadmin -X 100fd -x 0
WARNING: The link settings you have specified for this card
        must match the settings of its link partner.
```

- Modifier le(s) fichier(s) `/etc/rc.config.d/hp*`

```
root@parv4704:/etc/rc.config.d$ ls -l hpi*
-r--r--r--   1 bin        bin           5468 Nov 10  2004 hpietherconf
-r--r--r--   1 bin        bin           4571 Jun  6 14:50 hpigelanconf
```

```
HP_IGELAN_INTERFACE_NAME[0]=lan0
HP_IGELAN_STATION_ADDRESS[0]=
```

```
HP_IGELAN_SPEED[0]=100fd
```

Créer un alias IP

Modifier le fichier */etc/rc.config.d/netconf* :

```
INTERFACE_NAME[1]="lan0:1"
IP_ADDRESS[1]="A.B.C.D"
SUBNET_MASK[1]="A.B.C.D"
BROADCAST_ADDRESS[1]=""
INTERFACE_STATE[1]=""
DHCP_ENABLE[1]=0
```

Monter l'interface à la main :

```
ifconfig lan0:1 A.B.C.D netmask A.B.C.D up
```

Comment savoir où est pluggué un câble sur un HP partitionné

```
root@parv4670:/$ lanshow
                 ----------------------------------------
                |                                        |
                |         lanshow ( Version :   2.87 )    |
                |                                        |
                |    This tool is for HP support only     |
                 ----------------------------------------


libp4 (9.142): Opening /stand/vmunix /dev/kmem

Loading symbols from /stand/vmunix
Kernel TEXT pages not requested in crashconf
Will use an artificial mapping from a.out TEXT pages
Loading symbols from /stand/dlkm/mod.d/SEOS

Executing :  /usr/contrib/bin/lanshow-a-2


Name   PPA   Driver      Interface           Mac       States       IP
              Name      Description        Address    Link IP     Address
------------------------------------------------------------------------------
lan0    0    btlan   100Base-TX  Core   0x000f203c436a DOWN n/c  n/c
lan7    7    iether  1000Base-T         0x001560de7728 DOWN n/c  n/c
lan8    8    iether  1000Base-T         0x001560de7729 DOWN n/c  n/c
lan9    9    iether  1000Base-T         0x001560dea8aa UP   UP   10.251.208.25
lan10   10   iether  1000Base-T         0x001560dea8ab DOWN n/c  n/c
lan11   11   igelan  1000Base-T         0x0016353e9188 DOWN n/c  n/c
lan12   12   igelan  1000Base-T         0x0016353e9159 DOWN n/c  n/c

n/c : means "Not Configured", ifconfig has not been done on this interface


root@parv4670:/$ lanscan|grep lan9
5/0/11/1/0/6/0 0x001560DEA8AA 9    UP    lan9 snap9       4    ETHER       Yes   119

root@parv4670:/$ rad -q |grep 5/0/11/1
8-0-3-8     5/0/11/1    88   133  133  On   Yes   No    Yes      PCI-X PCI-X

8: Cabinet
|
0: Bay
|
3: Chassis
|
8: Slot
```

Le **8-0-3-8** est necessaire et suffisant pour retrouver au cul du serveur l'emplacement du lien réseau.

- Pour faire clignoter le slot:

```
/usr/bin/rad -f ATTENTION 8-0-3-8
```

- On retrouve aussi cette info via un parstatus :

```
....
....
[Chassis]
                               Core Connected  Par
Hardware Location   Usage        IO   To         Num
=================== ============ ==== ========== ===
....
....
cab8,bay0,chassis3  active       yes  cab0,cell5 4
....
....
[Partition]
Par              # of  # of I/O
Num Status       Cells Chassis  Core cell  Partition Name (first 30 chars)
=== ============ ===== ======== ========== ==============================
 0  active         1      1     cab0,cell0 parv2291
 1  active         2      2     cab0,cell1 Partition 1
 2  active         1      1     cab0,cell2 parc2898
 3  active         2      1     cab0,cell4 Partition 3
 4  active         1      1     cab0,cell5 COBI PROD
```

COBI PROD est construit sur le cab8,bay0, chassis3

Aggrégat (APA)

/etc/rc.config.d/netconf

```
INTERFACE_NAME[0]=lan5000
IP_ADDRESS[0]=10.195.16.140
SUBNET_MASK=255.255.255.0
INTERFACE_STATE[0]="up"
BROADCAST_ADDRESS[0]="10.195.17.255"

INTERFACE_NAME[1]=lan5001
IP_ADDRESS[1]=10.224.251.139
SUBNET_MASK[1]=255.255.255.0
INTERFACE_STATE[1]="up"

INTERFACE_NAME[2]="lan5003"
IP_ADDRESS[2]="10.238.10.249"
SUBNET_MASK[2]="255.255.254.0"
BROADCAST_ADDRESS[2]="10.238.11.255"
INTERFACE_STATE[2]="up"

ROUTE_DESTINATION[3]=default
ROUTE_MASK[3]="255.255.255.0"
ROUTE_GATEWAY[3]="10.224.251.1"
ROUTE_COUNT[3]=""
ROUTE_ARGS[3]=""
```

/etc/rc.config.d/hp_apaconf

```
HP_APA_INTERFACE_NAME[0]=lan900
HP_APA_LOAD_BALANCE_MODE[0]=LB_MAC
HP_APA_MANUAL_LA[0]="0,1"
```

/etc/rc.config.d/hp_apaportconf

```
HP_APAPORT_INTERFACE_NAME[0]=lan0
HP_APAPORT_CONFIG_MODE[0]=MANUAL
HP_APAPORT_INTERFACE_NAME[1]=lan1
HP_APAPORT_CONFIG_MODE[1]=MANUAL
```

/etc/rc.config.d/vlanconf

```
VLAN_VPPA[0]=5000
VLAN_PHY_INTERFACE[0]=900
VLAN_ID[0]=71
```

```
VLAN_NAME[0]=SQLFT
VLAN_PRIORITY[0]=0
VLAN_PRI_OVERRIDE[0]=CONF_PRI
VLAN_TOS[0]=0
VLAN_TOS_OVERRIDE[0]=IP_HEADER

VLAN_VPPA[1]=5001
VLAN_PHY_INTERFACE[1]=900
VLAN_ID[1]=68
VLAN_NAME[1]=GINSAV
VLAN_PRIORITY[1]=0
VLAN_PRI_OVERRIDE[1]=CONF_PRI
VLAN_TOS[1]=0
VLAN_TOS_OVERRIDE[1]=IP_HEADER

VLAN_VPPA[2]=5002
VLAN_PHY_INTERFACE[2]=900
VLAN_ID[2]=147
VLAN_NAME[2]=VCSHB1
VLAN_PRIORITY[2]=0
VLAN_PRI_OVERRIDE[2]=CONF_PRI
VLAN_TOS[2]=0
VLAN_TOS_OVERRIDE[2]=IP_HEADER

VLAN_VPPA[3]=5003
VLAN_PHY_INTERFACE[3]=900
VLAN_ID[3]=15
VLAN_NAME[3]=TF
VLAN_PRIORITY[3]=0
VLAN_PRI_OVERRIDE[3]=CONF_PRI
VLAN_TOS[3]=0
VLAN_TOS_OVERRIDE[3]=IP_HEADER

VLAN_VPPA[4]=5004
VLAN_PHY_INTERFACE[4]=900
VLAN_ID[4]=148
VLAN_NAME[4]=VCSHB2
VLAN_PRIORITY[4]=0
VLAN_PRI_OVERRIDE[4]=CONF_PRI
VLAN_TOS[4]=0
VLAN_TOS_OVERRIDE[4]=IP_HEADER
```

```
nwmgr -g -S apa
lanadmin -x -i 900
lanadmin -x -p 0 901
```

- Couper un lien

```
nwmgr -d -A links=1 -I 900 -S apa
nwmgr -a -A links=1 -I 900 -S apa
nwmgr -d -A links=0 -I 900 -S apa
nwmgr -a -A links=0 -I 900 -S apa
```

Créer / modifier un VLAN

```
nwmgr -a -c lan5004 -S vlan -A vlanid=14, pri=0, ppa=0
```

```
nwmgr -s -c lan5004 -S vlan -A vlanid=14, pri=0, name=fcose
```

```
lanadmin -V create vlanid 68 pri 0 tos 0 name GINSAV 900
```

- */etc/rc.config.d/vlanconf*

```
VLAN_VPPA[4]=5004
VLAN_PHY_INTERFACE[4]=0
VLAN_ID[4]=14
VLAN_NAME[4]=fcose
VLAN_PRIORITY[4]=0
VLAN_PRI_OVERRIDE[4]=CONF_PRI
VLAN_TOS[4]=0
VLAN_TOS_OVERRIDE[4]=IP_HEADER
```

```
nwmgr -S vlan
```

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