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## Afficher les cartes réseaux

root@parv4704:/opt/langtools/bin\$ lscan									
Hardware	Station	Crd	Hdw	Net-Interface	NM	MAC	HP-DLPI	DLPI	
Path	Address	In#	State	NamePPA	ID	Type	Support	Mjr#	
1/0/1/0/1/0/4/0	0x0017A47F781D	0	UP	lan0 snap0		1 ETHER	Yes	119	
1/0/2/1/0/6/0/0	0x001560D8E7E4	1	UP	lan1 snap1		2 ETHER	Yes	119	
1/0/2/1/0/6/0/1	0x001560D8E7E5	2	UP	lan2 snap2		3 ETHER	Yes	119	
1/0/4/1/0/6/0/0	0x001560D8E75C	3	UP	lan3 snap3		4 ETHER	Yes	119	
1/0/4/1/0/6/0/1	0x001560D8E75D	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 Name	Interface Description	Mac Address	States Link IP	IP Address
lan0	0	igelan	1000Base-T	Core	0x0017a476781d	UP UP A.B.C.D A.B.C.D
lan1	1	1ether	1000Base-T		0x001560deb7e4	UP DOWN 0.0.0.0
lan2	2	2ether	1000Base-T		0x001560deb7e5	UP UP 10.255.21.14
lan3	3	3ether	1000Base-T		0x001560deb75c	DOWN n/c n/c
lan4	4	4ether	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 hpiigelanconf
```

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

## Créer un alias IP

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

```
INTERFACE_NAME[1]="\n0:1"
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 Name	Interface Description	Mac Address	States Link IP	IP Address
lan0	0	btlan	100Base-TX Core	0x000f203c436a	DOWN n/c	n/c
lan7	7	iether	100Base-T	0x001560de7728	DOWN n/c	n/c
lan8	8	iether	100Base-T	0x001560de7729	DOWN n/c	n/c
lan9	9	iether	100Base-T	0x001560dea8aa	UP UP	10.251.208.25
lan10	10	iether	100Base-T	0x001560dea8ab	DOWN n/c	n/c
lan11	11	igelan	100Base-T	0x0016353e9188	DOWN n/c	n/c
lan12	12	igelan	100Base-T	0x0016353e9189	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 nécessaire 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]
Hardware Location Usage Core Connected Par
=====
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

Where there is a shell, there is a way - <https://unix.ndlp.info/>

```
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
```

From:  
<https://unix.ndlp.info/> - Where there is a shell, there is a way

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