

Compte rendu N°3:(TP gr1):

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configuration d'un reseau sans fil:

*Pour changer le mode de la carte réseau maneged au mode ad-hoc:

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/home/apibg12013# iwconfig wlan0 mode ad-hoc
```

*Pour changer le ESSID par "g21":

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/etc/network# iwconfig wlan0 ESSID "g21"
root@apibg12013-HP-Pro-3120-Microtower-PC:/etc/network# iwconfig
lo      no wireless extensions.
```

```
wlan0   IEEE 802.11bgn ESSID:"g21"
        Mode:Ad-Hoc  Frequency:2.412 GHz  Cell: 12:81:52:8D:D9:F1
        Tx-Power=20 dBm
        Retry long limit:7  RTS thr:off  Fragment thr:off
        Encryption key:off
        Power Management:off
```

```
eth0    no wireless extensions.
```

```
# ifconfig wlan0 172.16.64.130 netmask 255.255.255.240 up
# route add -net 172.16.64.80 netmask 255.255.255.240 gw 172.16.64.129 dev wlan0
```

*Configuration de wlan0:

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/etc/network# sudo cat interfaces
auto lo
iface lo inet loopback
```

```
auto wlan0
iface wlan0 inet static
wireless-mode Ad-Hoc
wireless-essid g41
address 172.16.64.88
netmask 255.255.255.240
broadcast 172.16.64.95
gateway 172.16.64.81
```

*Pour monter le système de fichier 172.16.64.161:/partage dans le répertoire /mnt sur une machine cliente on exécute la commande suivante:

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/# mount -t nfs 172.16.64.161:/partage /mnt
mount.nfs: /mnt is busy or already mounted
root@apibg12013-HP-Pro-3120-Microtower-PC:/# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/sda5	3,9G	2,1G	1,7G	56%	/
udev	983M	4,0K	983M	1%	/dev
tmpfs	396M	896K	395M	1%	/run
none	5,0M	0	5,0M	0%	/run/lock
none	990M	152K	990M	1%	/run/shm
/dev/sda7	961M	18M	895M	2%	/tmp
/dev/sda6	3,9G	416M	3,3G	12%	/var
/dev/sda9	9,7G	1,4G	7,9G	15%	/home
172.16.64.161:/partage	3,9G	2,3G	1,4G	63%	/mnt

*Pour démonter le partage nfs:

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/# umount /mnt
root@apibg12013-HP-Pro-3120-Microtower-PC:/# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/sda5	3,9G	2,1G	1,7G	56%	/
udev	983M	4,0K	983M	1%	/dev
tmpfs	396M	896K	395M	1%	/run
none	5,0M	0	5,0M	0%	/run/lock
none	990M	152K	990M	1%	/run/shm
/dev/sda7	961M	18M	895M	2%	/tmp
/dev/sda6	3,9G	416M	3,3G	12%	/var
/dev/sda9	9,7G	1,4G	7,9G	15%	/home

*On ajoute la ligne 172.16.64.161:/partage /mnt nfs rw 0 0
pour monter automatiquement le partage nfs:

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/etc# nano fstab
```

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/etc# cat fstab
```

```
# /etc/fstab: static file system information.
```

```
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
```

```
#
# <file system> <mount point> <type> <options> <dump> <pass>
proc /proc proc nodev,noexec,nosuid 0 0
# / was on /dev/sda5 during installation
UUID=e47d8166-3ef6-4227-8d08-0018e13ae42f/ ext3 errors=remount-ro 0 1
# /tmp was on /dev/sda7 during installation
UUID=818ab17f-b2db-4feb-af3e-5576e608114f /tmp ext3 defaults 0 2
# /var was on /dev/sda6 during installation
UUID=9c2e157d-e042-44ff-9a65-be508ad9e4f5 /var ext3 defaults 0 2
# swap was on /dev/sda8 during installation
UUID=2dc9909c-665c-4cae-9ec9-5e18e2628c01 none swap sw 0 0
/dev/sda9 /home ext3 defaults 0 3
172.16.64.161:/partage /mnt nfs rw 0 0
```

```
root@apibg12013-HP-Pro-3120-Microtower-PC:/# ping -s 3992 -c 1 172.16.64.174
PING 172.16.64.174 (172.16.64.174) 3992(4020) bytes of data.
4000 bytes from 172.16.64.174: icmp_req=1 ttl=62 time=17.9 ms
```

— 172.16.64.174 ping statistics —

1 packets transmitted, 1 received, 0% packet loss, time 0ms

rtt min/avg/max/mdev = 17.954/17.954/17.954/0.000 ms