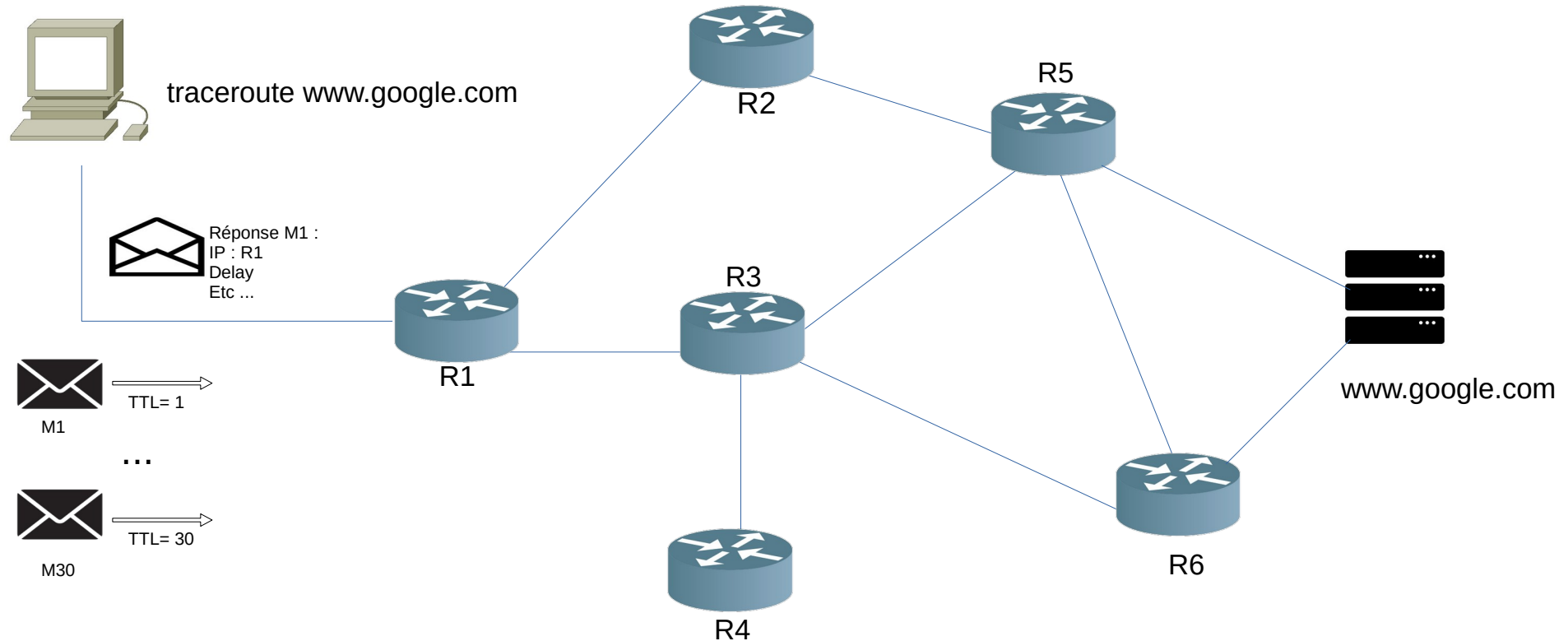


Cartographie et exception aux usages "normaux" du routage

Sommaire :

- 1) Traceroute
 - 1.1) Fonctionnement
 - 1.2) Option intéressante
- 2) Script
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- 3) Cartographie
 - 3.1) Légende
 - 3.2) Exception 1
 - 3.3) Exception 2
 - 3.4) Exception 3
- 4) Conclusion



Options :

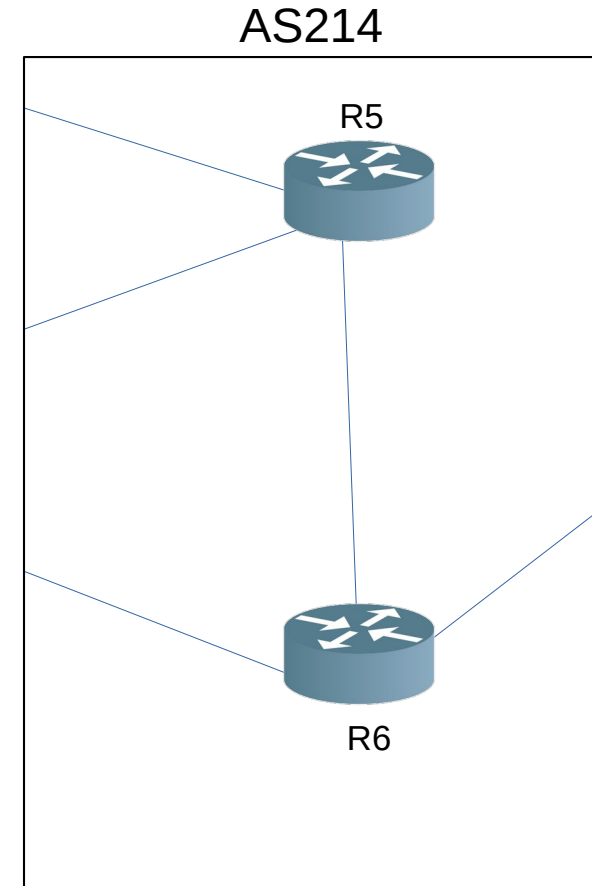
-I (ICMP)

-U (UDP)

-T (TCP)

--port

-A



Différentes utilisations :

```
[tom@tueleau-hp traceroute]$ sudo ./traceroute.sh -f list.ls
```

```
...
```

```
[tom@tueleau-hp traceroute]$ cat list.ls
```

```
univ-guyane.fr
```

```
univ-reunion.fr
```

```
[tom@tueleau-hp traceroute]$ sudo ./traceroute.sh -u www.google.com
```

```
...
```

```
[tom@tueleau-hp traceroute]$ sudo ./traceroute.sh -a
```

```
...
```

Répétition :

```
for url in ${urlia[@]}
do
  echo -e "Traceroute sur \e[31m$url \e[39m..."
  for pro in ${protocole[@]}
  do
    ....
```

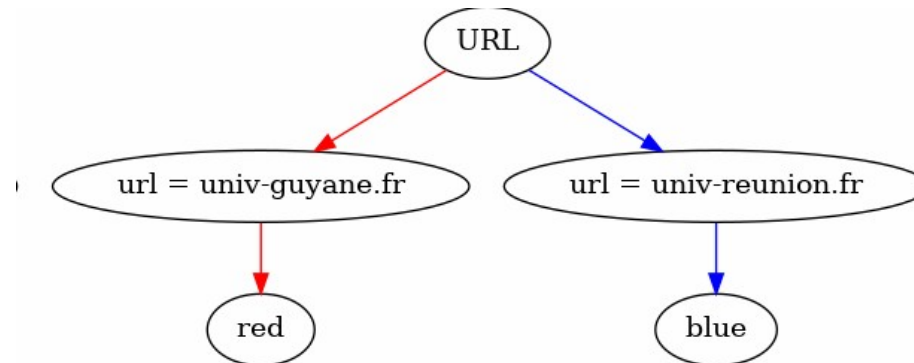
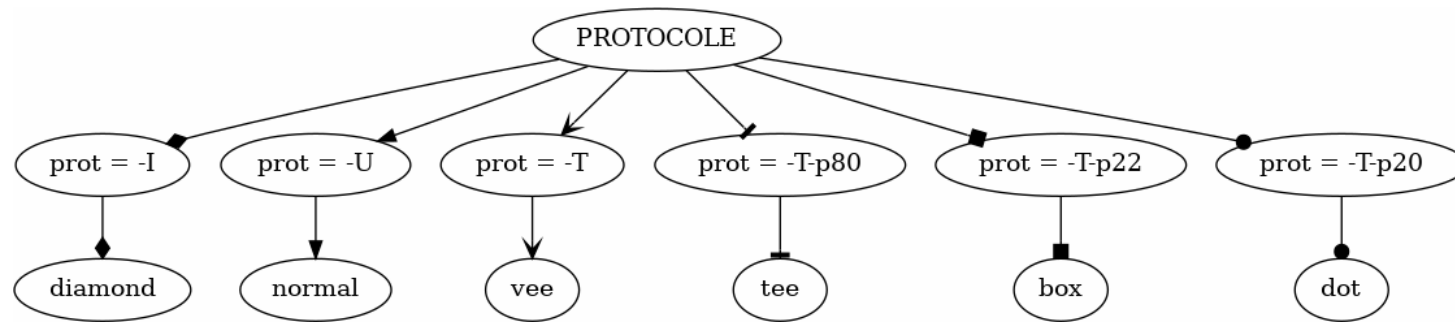
Traitement :

Récupérations dans le traceroute :

```
cat $url$pro | grep -o -E "(\[:digit:\]{1,3}\.[:digit:]{1,3}\.[:digit:]{1,3}\.[:digit:]{1,3})|(AS[:digit:]{1,})|(\* \* \*)" > p$url$pro
```

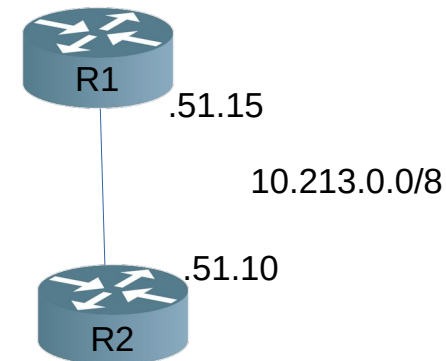
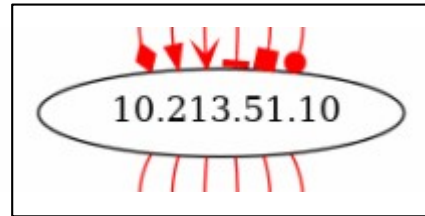
Mise en forme pour le format xdot :

```
element=$(cat p$url$pro | sed "s/(/ /g"| sed -r -e':a;N;$!ba;s/((\* \* \*\n))//g'| sed ':a;N;$!ba;s/\nA/ A/g' | sed ':a;N;$!ba;s/\n/"\n->"\n/g'
```

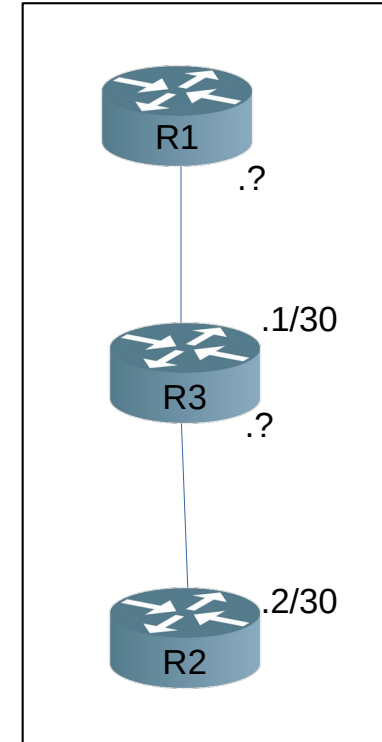
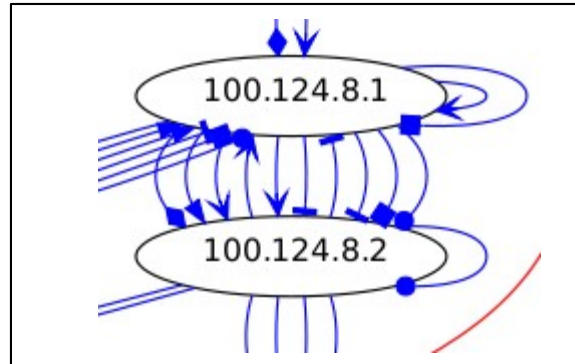


RFC 6752

Adresse priver



RFC 3021



/30 :
.0 @reseaux
.1 @ip
.2 @ip
.3 @broadcast

RFC 1812

