

Suiveng Matéo

TP 5 – Trames ARP, ICMP et DNS

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1. Capture de trames ARP et ICMP.

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C:\Users\msuiveng>ping 172.17.254.5

Envoi d'une requête 'Ping' 172.17.254.5 avec 32 octets de données :
Réponse de 172.17.254.5 : octets=32 temps<1ms TTL=64
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Statistiques Ping pour 172.17.254.5:
    Paquets : envoyés = 4, reçus = 4, perdus = 0 (perte 0%),
    Durée approximative des boucles en millisecondes :
        Minimum = 0ms, Maximum = 0ms, Moyenne = 0ms
```

No.	Source	Destination	Protocol	Length	Info
7	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
20	1.616063	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
88	2.335223	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
91	3.334736	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
96	4.131518	Dell_7d:0e:2b	ARP	60	Who has 172.17.253.2? Tell 172.17.254.1
97	4.834525	Dell_7d:0e:2b	ARP	60	Who has 172.17.253.2? Tell 172.17.254.1
103	5.834723	Dell_7d:0e:2b	ARP	60	Who has 172.17.253.2? Tell 172.17.254.1
117	7.616152	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
123	8.334888	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
127	9.334570	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
137	11.340227	Synology_32:37:b5	ARP	60	Who has 172.17.2.5? Tell 172.17.254.5
138	11.340252	Giga-Byt_2f:9c:cd	ARP	42	172.17.2.5 is at 74:56:3c:2f:9c:cd
164	14.484071	172.17.2.5	ICMP	74	Echo (ping) request id=0x0001, seq=13/3328, ttl=128 (reply in 165)
165	14.484618	172.17.254.5	ICMP	74	Echo (ping) reply id=0x0001, seq=13/3328, ttl=64 (request in 164)
166	14.600802	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
178	15.334690	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
180	15.487264	172.17.2.5	ICMP	74	Echo (ping) request id=0x0001, seq=14/3584, ttl=128 (reply in 181)
181	15.487857	172.17.254.5	ICMP	74	Echo (ping) reply id=0x0001, seq=14/3584, ttl=64 (request in 180)
187	16.334954	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
188	16.500218	172.17.2.5	ICMP	74	Echo (ping) request id=0x0001, seq=15/3840, ttl=128 (reply in 189)
189	16.500701	172.17.254.5	ICMP	74	Echo (ping) reply id=0x0001, seq=15/3840, ttl=64 (request in 188)
195	17.516874	172.17.2.5	ICMP	74	Echo (ping) request id=0x0001, seq=16/4096, ttl=128 (reply in 196)
196	17.517632	172.17.254.5	ICMP	74	Echo (ping) reply id=0x0001, seq=16/4096, ttl=64 (request in 195)
197	17.616352	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
198	18.334884	Dell_7d:0e:2b	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1

```
C:\Windows\System32>arp -a

Interface : 172.17.2.5 --- 0x3
    Adresse Internet      Adresse physique      Type
    172.17.2.2            74-56-3c-2f-9b-ec    dynamique
```

```
C:\Windows\System32>arp -d *

C:\Windows\System32>arp -a

Interface : 172.17.2.5 --- 0x3
    Adresse Internet      Adresse physique
```

arp or icmp						
No.	icmp icmpv6	Source	Destination	Protocol	Length	Info
374		Dell_7d:11:fe	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.2
378	45.092808	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
384	46.092785	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
390	47.249222	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
391	47.811562	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.253.2? Tell 172.17.254.1
392	48.092737	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
394	48.592761	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.253.2? Tell 172.17.254.1
395	49.092685	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
399	49.592753	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.253.2? Tell 172.17.254.1
402	49.817162	172.17.2.5	172.17.254.5	ICMP	74	Echo (ping) request id=0x0001, seq=17/4352, ttl=128 (reply in 403)
403	49.817650	172.17.254.5	172.17.2.5	ICMP	74	Echo (ping) reply id=0x0001, seq=17/4352, ttl=64 (request in 402)
408	50.827663	172.17.2.5	172.17.254.5	ICMP	74	Echo (ping) request id=0x0001, seq=18/4608, ttl=128 (reply in 409)
409	50.828255	172.17.254.5	172.17.2.5	ICMP	74	Echo (ping) reply id=0x0001, seq=18/4608, ttl=64 (request in 408)
419	51.837214	172.17.2.5	172.17.254.5	ICMP	74	Echo (ping) request id=0x0001, seq=19/4864, ttl=128 (reply in 420)
420	51.837791	172.17.254.5	172.17.2.5	ICMP	74	Echo (ping) reply id=0x0001, seq=19/4864, ttl=64 (request in 419)
422	52.854234	172.17.2.5	172.17.254.5	ICMP	74	Echo (ping) request id=0x0001, seq=20/5120, ttl=128 (reply in 423)
423	52.854801	172.17.254.5	172.17.2.5	ICMP	74	Echo (ping) reply id=0x0001, seq=20/5120, ttl=64 (request in 422)
430	53.265008	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
435	54.093047	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
438	55.093148	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
470	58.609185	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
471	59.593183	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
474	60.593139	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
479	61.624567	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1
481	62.593292	Dell_7d:0e:2b	Broadcast	ARP	60	Who has 172.17.244.1? Tell 172.17.254.1