

?????????—

????????????????????

\_\_\_\_\*\*\_\_\_\_\_ \*\*\_\_\_\_

\_\_\_\_\_ \*\*  
\_\_\_\_\_ \*\*

\_\_\_\_\_ or \_\_\_\_\_

### \_\_\_\_\_

1. \*\*\_\_\_\_\_ IP\_\_\_\_\_ \*\*  
\* \_\_\_\_\_ `whois` \_\_\_\_\_ IP\_\_\_\_\_ AWS GCP  
Azure\_\_\_\_\_ VNPT FPT\_\_\_\_\_

2. \*\*\_\_\_\_\_ `MTR` ( \_\_\_\_\_ `traceroute` ) \_\_\_\_\_ \*\*  
\* \*\*\_\_\_\_\_ \*\* Ping\_\_\_\_\_ "\_\_\_\_\_ "\_\_\_\_\_ MTR\_\_\_\_\_ "\_\_\_\_\_ "  
\* \*\*\_\_\_\_\_ \*\*  
`` `bash`  
# Linux/macOS  
mtr -r -c 100 <\_\_\_\_\_ IP> > mtr\_report\_shanghai.txt  
# Windows (\_\_\_\_\_ WinMTR)  
# \_\_\_\_\_ WinMTR\_\_\_\_\_ IP\_\_\_\_\_ 100\_\_\_\_\_

`` `bash`  
# Linux/macOS  
mtr -r -c 100 <\_\_\_\_\_ IP> > mtr\_report\_shanghai.txt  
# Windows (\_\_\_\_\_ WinMTR)  
# \_\_\_\_\_ WinMTR\_\_\_\_\_ IP\_\_\_\_\_ 100\_\_\_\_\_

\* \*\*\_\_\_\_\_ \*\* `-r` \_\_\_\_\_ `-c 100` \_\_\_\_\_ 100\_\_\_\_\_  
\* \*\*\_\_\_\_\_ MTR\_\_\_\_\_ \*\*  
\* \*\*\_\_\_\_\_ \*\* iptables

\_\_\_\_\_ ICMP\_\_\_\_\_  
\* \*\*\_\_\_\_\_ \*\*  
\_\_\_\_\_ \*\*  
\_\_\_\_\_ \*\*  
\* \*\*\_\_\_\_\_ 100%\_\_\_\_\_ \*\*  
ICMP\_\_\_\_\_ \*\* \_\_\_\_\_ \*\*

### \_\_\_\_\_ MTR\_\_\_\_\_

\_\_\_\_\_ MTR\_\_\_\_\_

1. \*\*[redacted] \*\*  
\* [redacted] IP [redacted] `whois` [redacted]  
\* [redacted] ` [redacted] ([redacted] / [redacted] / [redacted] ) -> [redacted] -> [redacted] ([redacted] NTT, Cogent, Telia) -> [redacted] -> [redacted] `

2. \*\*[redacted] \*\*  
\* \*\* [redacted] \*\* [redacted] AS  
[redacted] Peering [redacted]  
\* \*\* [redacted] NTT [redacted] \*\*  
[redacted]  
\* \*\* [redacted] \*\* [redacted]

### [redacted]

[redacted]

1. \*\*[redacted] \*\*  
\* [redacted] MTR  
[redacted] "[redacted]"  
[redacted] /  
[redacted]

2. \*\*[redacted] \*\*  
\* Ping [redacted] ICMP [redacted] ICMP [redacted]  
\* [redacted] TCP/UDP [redacted] `tcping` [redacted] 22/SSH,  
80/HTTP [redacted] TCP [redacted] ICMP [redacted] ICMP [redacted]

3. \*\*[redacted] \*\*  
\* [redacted] MTR [redacted] IP  
[redacted]

### [redacted]

[redacted]

1. \*\*[redacted] \*\* [redacted] IP  
\* \*\* [redacted] \*\* [redacted] CN2 GIA, CMI [redacted]  
\* \*\* [redacted] \*\*  
[redacted] ` [redacted] ->  
[redacted] -> [redacted] `  
\* \*\* [redacted] SD-WAN [redacted] \*\* [redacted] backbone  
[redacted]

2. \*\* [redacted] \*\*  
\* [redacted] MTR  
[redacted] IP [redacted] xxx.xxx.xxx.xxx [redacted] NTT

#####

### #####

##### \*\*[] -> ##### -> [] /##### \*\*

\*\*[] \*\*##### 100%[] \*\*##### \*\*[]

\*\*##### \*\*[]

1. \*\*##### \*\* [] `MTR` [] 100##### IP#####
  2. \*\*##### \*\* [] MTR##### \*\*##### \*\*[] IP#####
  3. \*\*##### \*\* [] `tcping` ##### TCP##### ICMP#####
  4. \*\*##### \*\* ##### MTR#####
  5. \*\*##### \*\* #####
- \* ##### \*\*##### IP[] \*\*[] \*\*##### \*\*[]
- \* ##### \*\*##### \*\*#####

Start: 2025-11-06T09:31:31+0800

HOST: ubuntu24-00	Loss%	Snt	Last	Avg	Best	Wrst	StDev
1. -- _gateway	0.0%	100	1.0	1.2	0.8	12.3	1.5
2. -- 192.168.11.254	0.0%	100	1.1	1.4	0.8	5.3	0.7
3. -- 61.173.60.1	0.0%	100	7.2	6.4	2.7	11.7	1.8
4. -- 61.152.7.145	0.0%	100	2.7	3.5	2.2	46.3	4.4
5. -- 61.152.24.130	91.0%	100	3.9	6.1	3.6	9.8	2.3
6. -- 202.97.24.142	81.0%	100	16.4	9.0	2.7	18.8	6.4
7. -- 202.97.12.182	62.0%	100	5.5	5.4	4.5	8.6	0.8
8. -- 202.97.111.62	0.0%	100	29.2	29.2	28.1	38.1	1.2
9. -- ???	100.0	100	0.0	0.0	0.0	0.0	0.0
10. -- localhost	30.0%	100	157.6	156.1	145.1	174.4	6.1
11. -- localhost	33.0%	100	145.8	146.8	144.2	152.5	1.6
12. -- 115.84.181.178	42.0%	100	152.7	147.2	141.3	155.4	4.4
13. -- 115.84.180.133	34.0%	100	159.5	156.5	148.1	164.8	5.0
14. -- 171.244.27.90	37.0%	100	151.0	149.3	148.1	151.8	0.9

##### MTR#####

### MTR#####

\*\*##### \*\* [] \*\*##### \*\*##### FPT

#####

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#### #####

1. \*\* 5-7  
\* `61.152.24.130` (91%) -> `202.97.24.142` (81%) -> `202.97.12.182` (62%)  
\* \*\* IP `ChinaNet` `202.97.x.x`  
\*\*  
\*\*

2. \*\* 8  
\* `202.97.111.62` (0%) 5ms 29ms  
\*\*  
\* 9 `??` (100%) ICMP  
\* \*\* 10-14  
\* IP `115.84.181.178` \*\*FPT Telecom\*\*  
\* \*\* 10 30% 37%  
\* \*\* A 5-7  
\* \*\* B FPT Peering 150ms

#####  
FPT DNS FPT  
FPT Telia, NTT  
" FPT" \*\*

---  
###  
\*\*" \*\*

##### 1.  
\* \*\*  
/ FPT  
\* \*\* VPN SD-WAN

##### 2.  
\* \*\*  
\* MTR FPT FPT

\* \*\* [ ] \*\* " [ ] IP `171.244.27.90` [ ] FPT  
[ ] CN2 GIA [ ]  
BGP [ ] "

\* [ ] AWS [ ] GCP [ ]

\* \*\* [ ] / [ ] \*\*  
\* [ ] \*\* [ ] \*\* [ ] VPS [ ]  
\* [ ]  
\* \*\* [ ] \*\* ` [ ] -> ( [ ] ) -> [ ] -> ( [ ] ) -> [ ] ` ,  
\* [ ]

\* \*\* [ ] \*\*  
\* [ ] " [ ] "  
[ ]

### [ ]

1. \*\* [ ] \*\* [ ] \*\* [ ] \*\* [ ] - [ ] FPT [ ] \*\* [ ]
2. \*\* [ ] \*\* [ ] \*\* [ ] \*\* [ ] MTR  
[ ]
3. \*\* [ ] \*\* [ ] MTR [ ]
4. \*\* [ ] \*\* [ ] \*\* [ ] \*\*  
[ ]

[ ] MTR [ ] " [ ] " [ ] " [ ] " [ ] "  
[ ] "