

# ???????? RST

???? TCP Linux " RST"

---

# ????????????

" RST " TCP "

???

" RST = " / / "

---

# ??TCP ? RST ??????

RFC 793 / RFC 1122

RST

1. ? ?
2. ? ?
3. ? ?
4. ? ?

RST

" TCP "

---



ESTABLISHED	<input type="checkbox"/> ACK	<input type="checkbox"/>
ESTABLISHED	SYN	<b>RST</b>
FIN_WAIT	<input type="checkbox"/>	<b>RST</b>
CLOSED	<input type="checkbox"/>	<b>RST</b>

# 3?? ????? Sequence Number ????????????

???

- seq

$rcv\_nxt \leq seq < rcv\_nxt + rcv\_wnd$

?????

- 
- **RST**

“  $\Delta$  NAT  IP

# 4?? TCP Flag ??????????

- SYN + FIN
- SYN + RST
- FIN +  +  seq

- **RST**





# ?????“?????? RST ??”????

## 1?? RST ??? ACK?

□□	□□
RST + ACK	□□□□□□□□□□
□ RST	□□□□□□

## 2?? RST ? ACK ???“??”?

ACK = □□□□□□ seq + len

- □□ → □□□□
- □□ → □□□□

## 3?? TTL ??????

- TTL □□□□□□□□ → □□□□
- TTL □□□□ / □□□ → □□□□

# ?????“?????????????”????????????

□□□□□□

- TCP □□□□
- □□□□□□
- □□□□ → “□□□□”
- □□ **RST**

□□□



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



XXXXXXXXXX

- XXXXX XXXXX RST XX
- XXXX RST XXXXXXXXX
- XXXXXXXXX XXXXXXXXX

XXXXXX

XX XXXXXX pcapXXXXXX

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