

Frequently Asked Questions

Question

> 2 K H 5 = 8 5 ? @ > ? C A : = > 9 A ? > A > 1 = > A B 8 A 5 B 8 linux

Answer

2 5 ; 8 G 5 = 8 5 ? @ > 8 7 2 > 4 8 B 5 ; L = > A B 8 A 5 B 8 2 Linux:

0 A B @ 0 8 2 0 5 < K 9 ? 0 @ 0 < 5 B @ = 0 G 5 = 8 5 ? > C < > ; G 0 = 8 N
? 8 A 0 = 8 5 ? 0 @ 0 < 5 B @ 0

/proc/sys/net/core/rmem_default

"110592" ? @ 5 4 5 ; 0 5 B @ 0 7 < 5 @ > : = 0 ? > ; C G 5 = 8 0 ? > C < > ; G 0 = 8 N;
4 ; 0 1 > ; L H 8 E 7 = 0 G 5 = 8 9 BDP @ 0 7 < 5 @ 4 > ; 6 5 = 1 K B L 1 > ; L H 5.

/proc/sys/net/core/rmem_max

"110592" ? @ 5 4 5 ; 0 5 B < 0 : A 8 < 0 ; L = K 9 @ 0 7 < 5 @ > : = 0 ? > ; C G 5 = 8 0 ;
4 ; 0 1 > ; L H 8 E 7 = 0 G 5 = 8 9 BDP @ 0 7 < 5 @ 4 > ; 6 5 = 1 K B L 1 > ; L H 5.

/proc/sys/net/core/wmem_default

"110592" ? @ 5 4 5 ; 0 5 B @ 0 7 < 5 @ > : = 0 > B ? @ 0 2 ; 5 = 8 0 ? >
C < > ; G 0 = 8 N ; 4 ; 0 1 > ; L H 8 E 7 = 0 G 5 = 8 9 BDP @ 0 7 < 5 @ 4 > ; 6 5 =
1 K B L 1 > ; L H 5.

/proc/sys/net/core/wmem_max

"110592" ? @ 5 4 5 ; 0 5 B < 0 : A 8 < 0 ; L = K 9 @ 0 7 < 5 @ > : = 0
> B ? @ 0 2 ; 5 = 8 0 ; 4 ; 0 1 > ; L H 8 E 7 = 0 G 5 = 8 9 BDP @ 0 7 < 5 @ 4 > ; 6 5 =
1 K B L 1 > ; L H 5.

/proc/sys/net/ipv4/tcp_window_scaling

"1" : B 8 2 8 @ C 5 B < 0 A H B 0 1 8 @ > 2 0 = 8 5 > : = 0 , : 0 : > ? @ 5 4 5 ; 5 = > 2
RFC 1323 ; 4 > ; 6 5 = 1 K B L 2 : ; N G 5 = 4 ; 0 ? > 4 4 5 @ 6 : 8 > : > = @ 0 7 < 5 @ > <
1 > ; L H 5 , G 5 < 6 4 K B.

/proc/sys/net/ipv4/tcp_sack

"1" : B 8 2 8 @ C 5 B 2 K 1 > @ > G = > 5 ? > 4 B 2 5 @ 6 4 5 = 8 5 (selective acknowledgment),
: > B > @ > 5 C ; C G H 0 5 B ? @ > 8 7 2 > 4 8 B 5 ; L = > A B L , 2 K 1 > @ > G = >
? > 4 B 2 5 @ 6 4 0 0 ? 0 : 5 B K , ? > ; C G 5 = = K 5 2 = 5 > G 5 @ 5 4 8 (2
@ 5 7 C ; L B 0 B 5 > B ? @ 0 2 8 B 5 ; L ? > 2 B > @ = > ? 5 @ 5 4 0 5 B B > ; L : >
? @ > ? C I 5 = = K 5 A 5 3 < 5 = B K) ; 4 > ; 6 5 = 1 K B L 2 : ; N G 5 = (4 ; 0
1 > ; L H > 9 > 1 ; 0 A B 8 A 5 B 5 2 K E : > < < C = 8 : 0 F 8 9) , = > < > 6 5 B
C A 8 ; 8 B L 8 A ? > ; L 7 > 2 0 = 8 5 CPU.

/proc/sys/net/ipv4/tcp_fack

"1" : ; N G 0 5 B Forward Acknowledgment (? @ > 3 = > 7 = > 5 ? > 4 B 2 5 @ 6 4 5 = 8 5) ,

```
:>B>@>5>?5@8@C5B A 2K1>@>G=K<?>4B25@645=85<(SACK--
Selective Acknowledgment) 4;O C<5=LH5=8O ?5@53@C7:8;4>;65=1KBL
2::;NG5=.
```

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/proc/sys/net/ipv4/tcp_timestamps
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```
"1" :B828@C5B 2KG8A;5=85RTT 1>;55 4>AB>25@=K<
A?>A>1><(A<>B@8B5RFC1323), G5<8=B5@20;4;O ?>2B>@=>9
?5@540G8;4>;65=1KBL 2::;NG5=4;O 1KAB@>459AB28O.
```

```
/proc/sys/net/ipv4/tcp_mem
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```
"24576 32768 49152" ?@545;O5B,:0:AB5:TCP 4>;65=25AB8 A51O A
8A?>;L7>20=85<?0<OB8;AG8B05BAO 2AB@0=8F0E ?0<OB8
(:0: ?@028;>4KB). 5@2>57=0G5=85--=86=OO 3@0=8F04;O
8A?>;L7>20=8O ?0<OB8. B>@>57=0G5=85-- ?>@>34;O
@568<0C?;>B=5=8O ?0<OB8, GB>1K=0G0BL 8A?>;L7>20BL
C?;>B=5=854;O 8A?>;L7>20=8O 1CD5@0. "@5BL5
7=0G5=85--<0:A8<0;L=0O 3@0=8F0. 0MB><C@>2=5?0:5BK
<>3CB 1KBL ?@>?CI5=K4;O C<5=LH5=8O 8A?>;L7>20=8O
?0<OB8. #25;8GLB5 AG5B 4;O 1>;LH>3>BDP(=> ?><=8B5, >=
C:07K205BAO 2AB@0=8F0E ?0<OB8, =5 2 109B0E).
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/proc/sys/net/ipv4/tcp_wmem
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```
"4096 16384 131072" ?@545;O5B 8A?>;L7>20=85 ?0<OB8 =0 :064K9
A>:5B 4;O 02B><0B8G5A:>9=0AB@>9:8. 5@2>57=0G5=85--
<8=8<0;L=>5 G8A;> 109B, 2K45;5==KE 4;O 1CD5@0
>B?@02;5=8O A>:5B0. B>@>57=0G5=85-- 7=0G5=85 ?>
C<>;G0=8N(?5@5>?@545;5==>5
```

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wmem_default
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```
), 4>:>B>@>3> @07<5@ 1CD5@0<>65B @0AB8 ?@8=5A8;L=>9
703@C7:5 A8AB5<K. "@5BL5 7=0G5=85--<0:A8<0;L=>5
?@>AB@0=AB2> 1CD5@0>B?@02;5=8O(?5@5>?@545;5==>5
```

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wmem_max
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/proc/sys/net/ipv4/tcp_rmem
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```
"4096 87380 174760" "> 65, GB> 8
tcp_wmem
, 70 8A::;NG5=85<B>3>, GB>AAK;05BAO =0 1CD5@K ?>;CG5=8O
4;O 02B><0B8G5A:>9=0AB@>9:8.
```

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/proc/sys/net/ipv4/tcp_low_latency
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"0" 07@5H05B AB5:CTCP/IP >B4020BL ?@54?>GB5=85=87:><C
2@5<5=8>6840=8O ?5@54 1>;55 2KA>:>9 ?@>?CA:=>9
A?>A>1=>ABLN;4>;65=1KBL >B::;NG5=.
```

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/proc/sys/net/ipv4/tcp_westwood
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"0" : B 8 2 8 @ C 5 B 0 ; 3 > @ 8 B < : > = B @ > ; O ? 5 @ 5 3 @ C 7 : 8 A >
A B > @ > = K > B ? @ 0 2 8 B 5 ; O , : > B > @ K 9 ? > 4 4 5 @ 6 8 2 0 5 B > F 5 => G = K 5
7 = 0 G 5 = 8 O ? @ > ? C A : = > 9 A ? > A > 1 = > A B 8 8 A B 0 @ 0 5 B A O
> ? B 8 < 8 7 8 @ > 2 0 B L ? > ; = > 5 8 A ? > ; L 7 > 2 0 = 8 5 ? > ; > A K
? @ > ? C A : 0 = 8 O ; 4 > ; 6 5 = 1 K B L 2 : ; N G 5 = 4 ; O A > 5 4 8 = 5 = 8 9 W A N .
- B > B ? 0 @ 0 < 5 B @ B 0 : 6 5 ? > ; 5 7 5 = 4 ; O 1 5 A ? @ > 2 > 4 = K E
8 = B 5 @ D 5 9 A > 2 , B 0 : : 0 : ? > B 5 @ 8 ? 0 : 5 B 0 < > 3 C B 1 K B L 2 K 7 2 0 = K = 5
? 5 @ 5 3 @ C 7 : > 9 .

/proc/sys/net/ipv4/tcp_bic

"1" : B 8 2 8 @ C 5 B Binary Increase Congestion (: > = B @ > ; L = 0 A K I 5 = 8 O A
1 8 = 0 @ = K < C 2 5 ; 8 G 5 = 8 5 <) 4 ; O 1 K A B @ K E ? @ > B O 6 5 == K E A 5 B 5 9 ;
? > 7 2 > ; O 5 B ; C G H 5 8 A ? > ; L 7 > 2 0 B L A A K ; : 8 , 4 5 9 A B 2 C N I 8 5 = 0
3 8 3 0 1 8 B = K E A : > @ > A B O E ; 4 > ; 6 5 = 1 K B L 2 : ; N G 5 = 4 ; O
A > 5 4 8 = 5 = 8 9 W A N .

Details

Info Monday 02 November 2020 - 18:07:41 by vampyr

Vampyr`s House!