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Subject: TCP retransmission and dup acks

Posted by [hvdkamer](#) on Fri, 13 Apr 2007 12:08:52 GMT

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While investigating a problem with tcpdump I saw a lot of retransmissions and duplicate acks:

No.	Time	Source	Destination	Protocol	Info
8	0.864699	192.168.13.41	192.168.13.146	TCP	52339 > www [SYN] Seq=0 Ack=0 Win=5840 Len=0 MSS=1460 TSV=3815361250 TSER=0 WS=7
9	0.864719	192.168.13.41	192.168.13.146	TCP	52339 > www [SYN] Seq=0 Ack=0 Win=747520 Len=0 MSS=1460 TSV=3815361250 TSER=0 WS=7
10	0.864752	192.168.13.146	192.168.13.41	TCP	www > 52339 [SYN, ACK] Seq=0 Ack=1 Win=5792 Len=0 MSS=1460 TSV=3815361250 TSER=3815361250 WS=7
11	0.864759	192.168.13.146	192.168.13.41	TCP	www > 52339 [SYN, ACK] Seq=0 Ack=1 Win=741376 Len=0 MSS=1460 TSV=3815361250 TSER=3815361250 WS=7
12	0.864775	192.168.13.41	192.168.13.146	TCP	52339 > www [ACK] Seq=1 Ack=1 Win=5888 Len=0 TSV=3815361250 TSER=3815361250
13	0.864779	192.168.13.41	192.168.13.146	TCP	[TCP Dup ACK 12#1] 52339 > www [ACK] Seq=1 Ack=1 Win=5888 Len=0 TSV=3815361250 TSER=3815361250

Later on this leads to retransmissions. Is this normal? Or must I be worried .

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