
Subject: Re: Networkproblem: VE stops sending ACKs

Posted by [kaymes](#) on Sat, 02 Dec 2006 13:55:52 GMT

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On Saturday 02 December 2006 01:43, Konstantin Seiler wrote:

> I've got a strange networkingproblem around here - the VE suddenly stops to
> send ACKs.

Hi!

I finally found something related to that problem. It seems to be a problem with TCPRCVBUF in the VEs config. For a check I multiplied the values by 10 and the download went fine.

(By the way, what are considered proper values - the defaults caused the trouble)

So I interpret the situation as a Bug of OpenVZ: The VE doesn't take TCPRCVBUF into account when setting the TCP-Window-Size and the propagated window is too big for the available buffer.

If a packet gets lost now, the connection is doomed to die: The sender keeps sending packets and eventually the buffer is full. When the retransmission of the lost packet finally arrives, it is discarded because of the full buffer and the connection is in a deadlock.

The retransmission can't be accepted because of the full buffer and the buffer can't be emptied, because a packet is missing.

Cheers,
Konstantin
