
Subject: Re: [NETFILTER] early_drop() improvement (v4)
Posted by [Patrick McHardy](#) on Wed, 27 Jun 2007 12:04:15 GMT
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Patrick McHardy wrote:

> Vasily Averin wrote:

>
>>When the number of conntracks is reached nf_conntrack_max limit, early_drop()
>>tries to free one of already used conntracks. If it does not find any conntracks
>>that may be freed, it leads to transmission errors.
>>In current implementation the conntracks are searched in one hash bucket only.
>>It have some drawbacks: if used hash bucket is empty we have not any chances to
>>find something. On the other hand the hash bucket can contain a huge number of
>>conntracks and its check can last a long time.
>>The proposed patch limits the number of checked conntracks and allows to search
>>conntracks in other hash buckets. As result in any case the search will have the
>>same chances to free one of the conntracks and the check will not lead to long
>>delays.

>

>

>

> Thanks Vasily. I have some patches queued to convert all conntrack
> hashes to hlists, which conflict with your patches. They need a bit
> more work, I'll integrate your changes on top of them once I'm done.

I've added this patch to my tree at

<http://people.netfilter.org/kaber/nf-2.6.23.git/>

I've joined the two loops from your patch since that avoids an otherwise useless function and doesn't take the lock up to 8 times in a row.
