## Subject: Re: [RFD] L2 Network namespace infrastructure Posted by ebiederm on Sat, 23 Jun 2007 19:08:25 GMT

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Patrick McHardy <kaber@trash.net> writes:

>>>Depending upon the data structure it will either be modified to hold >>>a per entry network namespace pointer or it there will be a separate >>>copy per network namespace. For large global data structures like >>>the ipv4 routing cache hash table adding an additional pointer to the >>>entries appears the more reasonable solution. >>> >>> >>>So the routing cache is shared between all namespaces?

>>

- >> Yes. Each namespaces has it's own view so semantically it's not
- >> shared. But the initial fan out of the hash table 2M or something
- >> isn't something we want to replicate on a per namespace basis even
- >> assuming the huge page allocations could happen.

>>

- >> So we just tag the entries and add the network namespace as one more
- >> part of the key when doing hash table look ups.

> >

- > I can wait for the patches, but I would be interested in how
- > GC is performed and whether limits can be configured per
- > namespace.

Currently I believe the gc code is unmodified in my patches.

Currently I have been focusing on the normal semantics and just making something work in a mergeable fashion.

Limits and the like are comparatively easy to add in after the rest is working so I haven't been focusing on that.

Eric

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