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Map batch processing

Wednesday, September 11, 2019 6:20 PM (20 minutes)

bcc community has long discussed that batch dump, lookup and delete will help its typical use case, periodically retrieving and deleting all samples in the kernel. Without batch APIs, bcc typically does
iterate through all keys (get_next_key API)
get (key, value) pairs
iterate through all keys to delete them

Also, Brian Vazquez
has proposed BPF_MAP_DUMP command to dump more than one entry per syscall call.
<https://www.spinics.net/lists/netdev/msg583538.html>

This discussion will propose new bpf subcommands for map batch processing, e.g., batching
get_next_key/lookup/update/delete/lookup_and_delete.
discuss its pros and cons etc.

Looks the subject has been discussed actively in the mailing list.
If the discussion reached its maturity, we may not need to discuss in the conference.

I agree to abide by the anti-harassment policy

Yes

I confirm that I am already registered for LPC 2019

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