The July 2019 Issue

This July 2019 issue contains two technical papers and three editorial notes. In *"Securing Linux with a Faster and Scalable IPtables"*, Sebastiano Miano and his colleagues revisit how Linux firewalls work. Since version 2.4.0 of the Linux kernel, `iptables` has been the standard way of defining firewall rules in Linux. These `iptables` are widely used, but writing and maintaining them can be difficult. Furthermore, they have some limitations in terms of performance. This paper leverages the `eBPF` virtual machine that is included in the Linux kernel to propose a replacement for `iptables` that preserves their semantics while providing improved performance. They release their implementation and evaluate its performance in details.

In *"Towards Passive Analysis of Anycast in Global Routing: Unintended Impact of Remote Peering"*, Rui Bian et al. analyse the deployment of anycast services. For this, they rely on different BGP routing information and highlight the impact of remote peering on anycast performance. They release their data and analysis scripts.

In addition to these two peer-reviewed papers, this issue contains three editorials. In *"Privacy Trading in the Surveillance Capitalism Age: Viewpoints on 'Privacy-Preserving' Societal Value Creation"*, Ranjan Pal and Jon Crowcroft reconsider the current Mobile App ecosystem from an economical and privacy viewpoint. They show that the current model is not the only possible one and propose the idea of a regulated privacy trading mechanism that provides a better compromise between privacy and the commercial interests of companies. In *"Datacenter Congestion Control: Identifying what is essential and making it practical"*, Aisha Mushtaq et al. take a step back at the datacenter congestion control problem. They argue that congestion control mechanisms that use Shortest-Remaining-Processing-Time are the best solution and discuss in the paper how commodity switches could be modified to support it. Finally, in *"The 11th Workshop on Active Internet Measurements (AIMS-11) Workshop Report"*, kc Claffy and Dave Clark summarise the discussions at the latest AIMS workshop. They mention several new measurement initiatives and interesting research projects.

I hope that you will enjoy reading this new issue and welcome comments and suggestions on CCR Online (`https://ccronline.sigcomm.org`) or by email at `ccr-editor` *at* `sigcomm.org`.

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