Unikraft: Pushing Unikernels into the Mainstream

While not all unikernel projects suffer from all of these issues (e.g., some provide some level of POSIX compliance but the performance is lacking, others target a single programming language and so are relatively easy to build but their applicability is limited), we argue that no single project has been able to successfully address all of them, hindering any significant level of deployment. For the past three years, Unikraft (www.unikraft.org), a Linux Foundation project under the Xen Project’s auspices, has had the explicit aim to change this state of affairs to bring unikernels into the mainstream.

Getting to Know the Cryptocurrency Open Patent Alliance (COPA)

With the recent surge in popularity of cryptocurrencies and related technologies, Square felt an industry group was needed to protect against litigation and other threats against core cryptocurrency technology and ensure the ecosystem remains vibrant and open for developers and companies.
The same way Open Invention Network (OIN) and LOT Network add a layer of patent protection to inter-company collaboration on open source technologies, COPA aims to protect open source cryptocurrency technology. Feeling safe from the threat of lawsuits is a precursor to good collaboration.

• Understanding Open Governance Networks - Linux Foundation [5]

Throughout the modern business era, industries and commercial operations have shifted substantially to digital processes. Whether you look at EDI as a means to exchange invoices or cloud-based billing and payment solutions today, businesses have steadily been moving towards increasing digital operations. In the last few years, we’ve seen the promises of digital transformation come alive, particularly in industries that have shifted to software-defined models. The next step of this journey will involve enabling digital transactions through decentralized networks.

A fundamental adoption issue will be figuring out who controls and decides how a decentralized network is governed. It may seem oxymoronic at first, but decentralized networks still need governance. A future may hold autonomously self-governing decentralized networks, but this model is not accepted in industries today. The governance challenge with a decentralized network technology lies in who and how participants in a network will establish and maintain policies, network operations, on/offboarding of participants, setting fees, configurations, and software changes and are among the issues that will have to be decided to achieve a successful network. No company wants to participate or take a dependency on a network that is controlled or run by a competitor, potential competitor, or any single stakeholder at all for that matter.

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