

Cloud Empires: How digital platforms are overtaking the state and how we can regain control. Vili Lehdonvirta, The MIT Press, 2022, ISBN-13: 9780262047227

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At the height of its power, the British East India Company (EIC) controlled a vast commercial infrastructure, including forts and forces, minted currency, engaged in diplomacy, collected taxes, and administered justice. It was “a state in the disguise of a merchant” (Burke, 1822, p. 29); one among many “company-states” (Andrew Phillips & J. C. Sharman) that shaped early capitalism and imperialism, and, for a time, challenged the exclusive sovereignty of states (Srivastava, 2022).

Today, we observe the rise of a new breed of company-states: large technology platforms, or, as Vili Lehdonvirta calls them in an excellent new book of the same title, cloud empires. Like their predecessors, they exercise quasi-sovereign authority over millions of people. For example, platform companies today likely “resolve more disputes now than the entire world’s public courts” (p. 2). But unlike earlier company-states and unlike states themselves, their authority is not bound to territory but applies to all “users,” wherever they live. They are “states without estates, empires in the cloud” (p. 213).

Lehdonvirta retells the rise of these cloud empires to the commanding heights of today’s digital economy through the lens of individual stories. Combining historical and biographical research, social-scientific theory, and empirical insights, “Cloud Empires” weaves different storylines of the digital transformation into a rich and colorful tapestry of today’s digital world, focusing on its economic (Part I), political (Part II), and social institutions (Part III) respectively.

The chapters in Part I chronicle the quest of different pioneers of the Internet age to solve digitally the problems of the analogue world; only to encounter them anew and solve them in very “analogous” ways to how they were solved in the past. The Internet, as Lehdonvirta writes, “essentially recapitulated the past three thousand years of economic history in thirty years” (p. 6). For example, a case study on *Usenet Marketplace*, a decentralized predecessor to eBay and Amazon, shows how reciprocity and reputation sustained commerce on the early Internet. However, as the number of Internet users grew, the classic problem of exchange resurfaced. Fraud and spam became endemic, and users flocked to centralized platforms that—much like states before them—were able to restore social order at scale by creating and enforcing rules.

The institutionalization of the digital world by private companies made them powerful rule-makers whose decisions began to shape markets for books and labor alike. But their private “marketcraft” (Steven Vogel) also raised questions of power and accountability, which the chapters in Part II tackle. They show, for example, how blockchain technology at best democratizes rule-enforcement, but not rule-making, or how ordinary digital laborers have a tough time organizing effective resistance given their geographical and social fragmentation.

Here, Lehdonvirta offers an unashamedly sober account of digital resistance. What is more likely than a successful revolution of the digital proletariat is a successful revolution of the emerging digital bourgeoisie. Lehdonvirta puts his hopes in the digital “burghers”—successful app developers and tech workers, streamers, and influencers—not those that deliver them burgers. Against this background, Part III makes a number of provocative suggestions about how to make the digital economy more inclusive and democratic.

Lehdonvirta essentially asks us to treat today’s tech elites not (just) as the robber barons of our age, to be reined by the tools of competition policy, but (also) as today’s aristocrats, to be reined in through

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democratization and constitutionalization. After all, they are not only economically dominant, but increasingly design the rules of how we work, communicate, and entertain ourselves. Policymakers should therefore (i) protect and foster the “indigenous proto-democratic institutions” (p. 233) the digital burghers are already building and (ii) create a digital charter of fundamental rights that limits “platform rulers” exercise of power against their users, just as “constitutions limit states’ power” (p. 235).

These suggestions move the debate beyond its current focus on (supra-)national regulations of platforms whose user base is transnational. No state, after all, “can really represent the interests of the users of a deterritorial digital platform” (p. 228). But one also wonders whether a defense of economic interests by well-resourced digital burghers is the only way to think about digital resistance. Could resistance not also come from a Polanyian counter-movement against the digital commodification of everyday life, from privacy activists, or those concerned about the mental health effects of smartphones and the public health effects of social media?

One also wonders about how free-floating tech platforms truly are. For one, just as the company-states of yesteryear, they owe their existence to the laws of states. While its founding charter gave the EIC the right to “make laws and impose penalties on offenders” unless they were “repugnant to the Laws of England” (quoted in Srivastava, 2022, p. 6), today’s Cloud Empires only got “off the ground” through comprehensive liability protections and favorable intellectual property regimes. And they remain “moored to earth” by a complex legal architecture ultimately controlled by states.

Moreover, when the EIC challenged the sovereignty of the British state too openly, it was reined in (Srivastava, 2022). Edmund Burke accusation—leveled against the EIC—of “pillag[ing] the people, under the pretense of commerce” (Burke, 1822, p. 130) and the highly publicized trial of Warren Hastings are strangely reminiscent of today’s techlash and the parliamentary “grillings” of tech leaders. And the resurgence of debates around (digital) sovereignty might indicate that states will re-assert their authority over the platform “princes”—much like they did with the rebellious feudal lords when the term sovereignty was first coined.

Time will tell whether states will wrestle back rule-making power from digital platforms; or whether their efficiency—unimpeded by democratic procedures—will allow them to retain considerable rule-making authority as long as their “community guidelines” are not too “repugnant” to the laws of each land; or, finally, whether we will see a democratization and constitutionalization of rule-making along the lines of the transnational “digital liberal democracy” “Cloud Empire” envisions. In any case, more than most books on this topic, “Cloud Empires” helps us get a sense of where we are heading by helping us understand how we got where we are. It is a highly accessible and refreshingly original book, and a must-read for anyone interested in our digital past, present, or future.

References

- Burke, E. (1822). *Speeches of Mr. Burke on the impeachment of Warren Hastings, Esq. The works of the right honourable Edmund Burke* (Vol. XII, new ed.). F.C. & J. Rivington.
- Srivastava, S. (2022). Corporate sovereign awakening and the making of modern state sovereignty: New archival evidence from the English East India Company. *International Organization*, 76, 690–712.