Cyber-foraging — the leverage of proximate servers to augment the computation and storage capabilities of resource-limited mobile devices — has tremendous potential for supporting mobile computing at the edge. With increasing number of mobile devices and users, increased network traffic cause by trends in the Internet of Things (IoT), and increasing complexity of an always-connected-user experience, there is reason to believe that cyber-foraging will become a standard feature of mobile applications. However, while there is a large amount of research in cyber-foraging, the reality is that there are not many deployed, operational cyber-foraging systems. As these systems become more prevalent due to their proven benefits, in terms of energy efficiency, reduced latency, and increased availability, combined with the emergence of micro data centers and edge clouds, a need will arise for guidance on their architecture and development.

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