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An Efficient Distributed Storage Solution for Edge Computing Environments

Wednesday, 21 September 2022 14:00 (8 minutes)

Due to the continuous development of Internet of Things (IoT), the volume of the data these devices generate are expected to grow dramatically in the future. As a result, managing and processing such massive data amounts at the edge becomes a vital issue. Edge computing moves data and computation closer to the client enabling latency- and bandwidth-sensitive applications, that would not be feasible using cloud and remote processing alone. Nevertheless, implementing an efficient edge-enabled storage system is challenging due to the distributed and heterogeneous nature of the edge and its limited resource capabilities. To this end, we propose a lightweight hybrid distributed edge/cloud storage framework which aims to improve the Quality of Experience (QoE) of the end-users by migrating data close to them, thus reducing data transfers delays and network utilization.

Any relevant links

Topic

A Federated Compute Continuum

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