NEWS LETTER

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CLOUD STARS
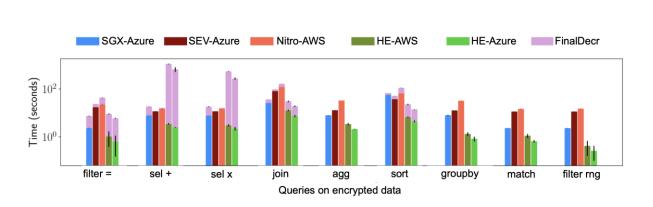

CLOUDSTARS presenting to Confidential Computing Consortium

by Patrick Eugster (USI)

On September 19, 2024, CLOUDSTARS co-PI Prof. Patrick Eugster presented work of his group at Università della Svizzera italiana (USI) on the use of formal programming language techniques for confidential cloud-based data analytics to the Confidential Computing Consortium (CCC)[1]. The CCC promotes the development of trusted execution environments and their adoption in cloud datacenters and includes major cloud providers (e.g., Microsoft, Google) and hardware manufacturers (e.g., Intel, ARM, AMD). Eugster's talk elaborates on experiences in using formal techniques for building efficient and secure software systems for distributed data processing that are independent of any specific

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[1] https://confidentialcomputing.io

trusted hardware platform, and takes a step back, showing benefits of software solutions as alternatives to, and in combination with, hardware solutions. Eugster's group has been interacting on the presented project with CLOUDSTARS project partner IBM. The talk expands on a prior talk given upon invitation at the 2024 Confidential Computing Symposium[2] and can be viewed online[3].

cloudstars.eu | twitter.com/Cloudstars_2023 | github.com/cloudstars-eu

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[2] https://www.confidentialcomputingsummit.com
[3] https://www.youtube.com/watch?v=V1n5kX4Y7SY&list=PLmfkUJc39uMjyMiCsf_TG07zkK4SRHoT-&index=3