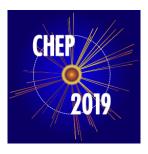
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The Scalable Systems Laboratory: a Platform for Software Innovation for HEP

Tuesday 5 November 2019 16:30 (15 minutes)

The Scalable Systems Laboratory (SSL), part of the IRIS-HEP Software Institute, provides Institute participants and HEP software developers generally with a means to transition their R&D from conceptual toys to testbeds to production-scale prototypes. The SSL enables tooling, infrastructure, and services supporting innovation of novel analysis and data architectures, development of software elements and tool-chains, reproducible functional and scalability testing of service components, and foundational systems R&D for accelerated services developed by the Institute. The SSL is constructed with a core team having expertise in scale testing and deployment of services across a wide range of cyberinfrastructure. The core team embeds and partners with other areas in the Institute, and with LHC and other HEP development and operations teams as appropriate, to define investigations and required service deployment patterns, to design concrete tests, and to execute and evaluate the results. We describe experiences with early deployments supporting the development of analysis platforms and intelligent data delivery systems.

Consider for promotion

No

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