asc(s simpulseday: "From Cloud to Road"

Stuttgart, 11th April 2016. The Automotive Simulation Center Stuttgart e.V. hosted a half day event at the University of Stuttgart in cooperation with the large scale European project PaaSage. PaaSage is developing an open and integrated platform to support model based lifecycle management of Cloud applications for software and service providers (see www.PaaSage.eu). During the simpulseday "From Cloud to Road" leading managers from automotive OEM like Daimler, Independent Software Vendors such as Dynamore, Altair, Comsol and Nuberisim as well as Engineering Service Provider T-Systems presented future challenges in the field of cloud computing. The event was sponsored by the ascs member Altair (see www.altair.com).

The international audience of about 50 participants included project partners of the PaaSage consortium as well as key representatives from science and automotive industry. The agenda was composed of several interesting speeches which showed the state-of-the-art in cloud technology and gave the participants a hint of the road of future technologies. The lectures presented encouraged an intense exchange among the European experts in the field of cloud computing. During the breaks the participants exchanged their insights and the PaaSage platform was demonstrated to the audience. The professional exchange was supported through a get-together at the end of the event, where plenty of opportunities were afforded to build new business networks or strengthen existing ones.

Cloud approaches are particularly relevant for large-scale computer-based numerical simulations. These may require very large computation resources, with a possibly high level of variability during the whole computation workflow. Even more the very fast growing global competitive pressure, new legal regulations and distributed development environments during the last few years lead to a complete rethink of Computer-Aided-Engineering (CAE) and High-Performance-Computing (HPC) by using cloud technologies.

Today PaaSage is moving out of the research area and is entering within industry and businesses. The PaaSage technology makes it easy for IT departments to deploy applications and processes onto various public or private Cloud infrastructures, and to dynamically adapt the application execution if needed, e.g. in case additional computational resources are required at runtime.

According to Pierre Guisset, PaaSage communication manager, "This evolution is supported by PaaSage and will enable Tier-2 and Tier-3 suppliers, and especially many SMEs, to get more integrated into the automotive OEM development process".

The PaaSage platform is available through the OW2 Community forge at
http://www.ow2.org/bin/view/ActivitiesDashboard/PaaSage.

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