

Using FMI in a cloud-based Web Application for System Simulation

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This paper presents a generic approach to combine cloud computing and system simulation. It shows the benefits of using FMI to deploy self-executing simulation units on multiple machines. Besides managing the calculation itself, we also present a web interface for uploading, managing and analyzing simulation models. To benefit from available hardware resources in the cloud, an engine is integrated which allows the definition of multiple simulations with different parameter sets in a single step.

