RESEARCH ON CO-SIMULATION TASK SCHEDULING IN CLOUD SIMULATION PLATFORM

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ABSTRACT
In order to address the problem of single collaborative simulation task scheduling, considering the characteristics of simulation resource encapsulated with virtualization technology, the author first proposed the unified model describing the co-simulation system for co-simulation task, which is the basis of task scheduling; Secondly, based on the unified model, the virtualization-based supporting system, in cloud simulation platform (CSP), of dynamic construction of the co-simulation system were introduced. Thirdly, the scheduling procedure, namely the dynamic construction of the co-simulation system, was discussed. Finally, the primary application example and conclusion was presented.

Keywords: cloud simulation platform, HLA federation, co-simulation task scheduling, virtualization technology
REFERENCES


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