Developing Grid computing applications based on OGSA

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ABSTRACT

The basic structure of the Open Grid Service Architecture (OGSA) and the technical specifications of the Open Grid Service Infrastructure (OGSI) were introduced in this paper. Based on the concept that service is the central of OGSA, the definition of Grid service and the general development of the Grid computing applications were discussed. Through the case study of the development of Grid computing applications using GT3, the basic theory and procedures for developing OGSA Grid computing applications were illustrated from both theory and practice.

Keywords: Grid, OGSA, OGSI, GT3, Grid service