A Layered Distribute Resource Discovery Model in Grid Computing System

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ABSTRACT

In grid computing system, resources have the characters of dynamic, distributed and heterogeneous. it is important to discover and share resource quickly and effectively. In this paper, we propose a layered distribute resource discovery model of grid system. It takes the advantages of centralized and distribute resource discovery methods. The resource discovery has a high speed; meanwhile the performance requirement to grid device is lower.

Keywords: grid computing, resource discovery, resource management