Grid Security and Relevant Technology

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ABSTRACT

Grid will be adopted in the mainstream computing and the existing infrastructure. And how fast this curse will be driven by how soon we can solve the security challenges imposed by grid. Security has therefore always been a primary concern within the grid since its origin in the high performance computing community. This paper first analyzes the unique security requirements of grid computing. Then it explores advances in grid security that is beginning to address critical security issues by introducing some advanced technologies applied in the business.

Keywords: Grid, security, PKI, authentication, authorization, SHARP, sandbox