Grid is a distributed computing architecture that integrates a large number of data and computing resources into a single virtual data management system. A Computational Grid is a natural extension of the former cluster computer where large computing tasks have to be computed at distributed computing resources. A safe registration and communication is essential in Computational Grid networks. This paper reports a secure tunnelling protocol integrated frame work, which enhances the quality of Point-to-Point Tunnelling Protocol (PPTP), Layer Two Tunnelling Protocol (L2TP) and Internet Security Protocol (IPSec). The proposed model used an encryption scheme such as Data Encryption Standard (DES) algorithm. The new packet offers a secure communication in the grid network without any time delays.

- G. Dommety, “RFC2890: Key and Sequence Number Extensions to GRE”, RFC Editor, September 2000.
Enhancing Security Measures by Tunnelling Protocol in Distributed Grid Network

Index Terms

Computer Science

Distributed Computing

Keywords

Grid networks PPTP L2TP IPSec DES