Abstract

The grid infrastructure has emerged as a technology supporting long-term collaboration utilizing shared resources spread across multiple administrative domains. However, for a transient community that is interested only in short-term or one-time collaborations the establishment of a traditional grid environment can become too cumbersome. The ad hoc grid infrastructure was proposed as a consequence of the need for the short-term collaborations. The ad hoc grid infrastructure provides the same basic grid services as the traditional grid, but the implementation of these services may vary from the implementation in the traditional grid. The paper focuses mainly on the similarities and differences in the trust awareness of grid security and job scheduling in the traditional and ad hoc grid environments.

References

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36. Uniform interface to computing resources, 2015.


Index Terms

Computer Science Security

Keywords

Traditional grid, Ad hoc grid, Trust aware grid security, Trust aware job scheduling