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Abstract:

The "Cloud Computing" is becoming an increasingly popular term. The new "XaaS" category of services introduced will slowly replace many types of computational resources currently used. In this perspective, grid computing, the basic element for the large scale supply of cloud services, will play a fundamental role in defining how those services will be provided. This paper is concerned with the study and preliminary design of a real time financial system based on cloud computing technologies that enable macroeconomic analysis and forecasts of the financial markets and their instruments. Cloud and grid paradigms can generate different added values which are examined in detail in the paper. This work utilises the results obtained during the Cybersar Project managed by the COSMOLAB Consortium (Italy). The system analyzed and described herein will be implemented in the Cybersar Computational Grid by autumn 2009.

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