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# Cloud Computing – A Classification, Business Models and Research Directions

## The Authors

**Prof. Dr. Christof Weinhardt**
**Dipl.-Inform.-Wirt Arun**
**Anandasivam**
**Dr. Benjamin Blau**
**Dipl.-Inform. Nikolay Borissov**
**Dipl.-Math. Thomas Meinl**
**Dipl.-Inform.-Wirt Wibke Michalk**
**Dr. Jochen Stößer**
Universität Karlsruhe (TH)
Institute of Information Systems and
Management
Englerstr. 14
76131 Karlsruhe
Germany
{weinhardt | anandasivam | blau |
borissov | meinl | michalk |
stoesser}@iism.uni-karlsruhe.de

## Abstract

Lately, a new computing paradigm has emerged: "Cloud Computing". It seems to be promoted as heavily as the "Grid" was a few years ago, causing broad discussions on the differences between Grid and Cloud Computing. The first contribution of this paper is thus a detailed discussion about the different characteristics of Grid Computing and Cloud Computing. This technical classification allows for a well-founded discussion of the business opportunities of the Cloud Computing paradigm. To this end, this paper first presents a business model framework for Clouds. It subsequently reviews and classifies current Cloud offerings in the light of this framework. Finally, this paper discusses challenges that have to be mastered in order to make the Cloud vision come true and points to promising areas for future research.

## Keywords

Cloud Computing – Grid Computing – Business models – Research directions

## Link to Full Text

http://www.springerlink.com/content/w3h62858jpkw56kh/fulltext.pdf