

# Middleware Paper Discussion 4



TECHNISCHE  
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### Cloud Computing

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Cloud Computing is one of the most prominent buzzwords at the moment. For this paper discussion we want you to have a closer look under the hood of the Cloud phenomenon.

Download (<https://dl.acm.org/citation.cfm?id=1721672>) and read the paper “A view of cloud computing” by Michael Armbrust et. al. (Communications of the ACM, Volume 53 Issue 4, April 2010, pages 50-58). The paper is accessible from inside the TU Darmstadt network or via VPN.

### Answer the following questions:

1. What definition of Cloud Computing is given in the paper?
2. Is Cloud Computing a new technology, a delivery model, a business model, or a mixture? Why?
3. What are the core success factors for the adoption of Cloud Computing according to the paper?
4. What types of Cloud Computing can be distinguished?
5. What are the key-technologies discussed?
6. Which roles are involved in Cloud Computing?
7. What are the benefits and drawbacks of Cloud Computing for the different roles?
8. How many Cloud-based services are you using in your everyday life? In comparison, how many non-Cloud products are you using regularly (e.g., offline desktop applications)?
9. Some time has passed since this paper got published. Do you think that the authors' findings are still valid? What has changed in the meantime?
10. How does Cloud Computing impact software engineering?

Hand in one to two pages **on paper** at the beginning of the exercise session on **Feb 10, 2015**. Group submissions are not allowed, however we encourage discussing your answers with fellow students. Don't forget to put your name and student ID on your submission.