

DISTRIBUTED SYSTEMS

Lecture 14 Recap

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Recap

- Lectures slides and course books
 - Van Steen, Maarten , Tanenbaum, Andrew. Distributed Systems (Third edition).
 - Ghosh, Sukumar. Distributed systems: an algorithmic approach (second edition).

EXAMS

Helsinki, Finland, 2019.

Final exams

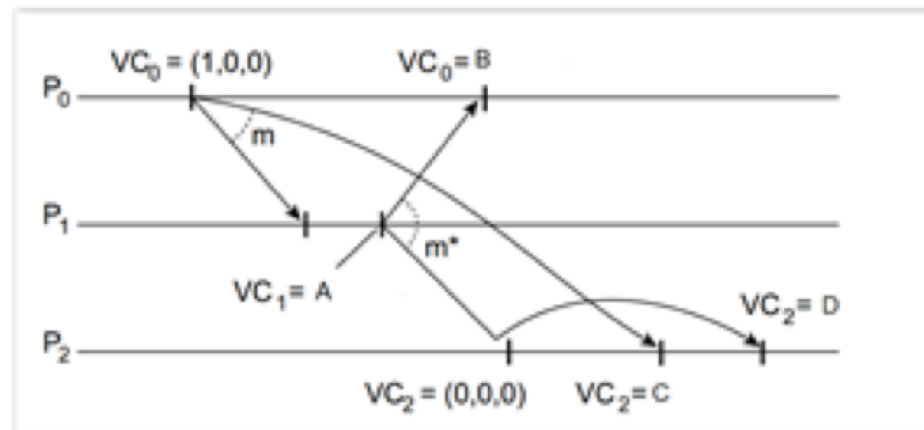
- Containing 9-10 questions. Most questions will have 10pt and 1-2 questions may have 20pt.
- The questions in the exam cover lecture materials as possible.
 - Both conceptual questions and practical questions.
 - We try to equally distribute questions to all lectures.

Final exams

- An example of a conceptual question:
Compare briefly the following types of communication:
 - (a) Persistent vs transient;
 - (b) Asynchronous vs synchronous;
 - (c) Discrete vs streaming;
 - (d) Connection-oriented vs connectionless.

Final exams

- An example of a practical question:
- Consider three processes using vector clocks to enforce causally ordered multicasting in the diagram right.
 - (a) Define vector clocks A, B, C and D.
 - (b) Explain what happens to message m^* at P2.



Final exams

- You are allowed to use calculators.
- Please return question paper to invigilators when you return the answers.

FEEDBACK FOR THE COURSE?

Helsinki, Finland, 2019.