

Efficient renaming in Conflict-free Replicated Data Types (CRDTs)

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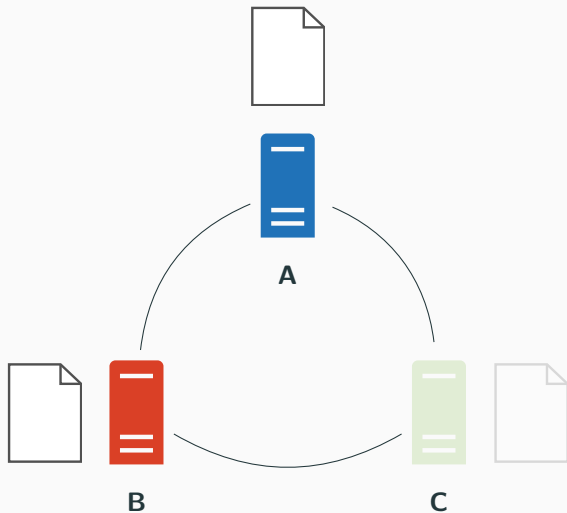
COAST team

Supervised by Gérald Oster and Olivier Perrin

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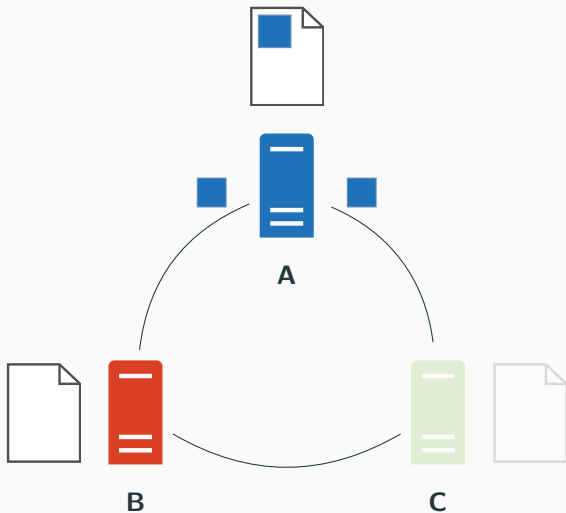


Conflict-free Replicated Data Types (CRDTs)[1]



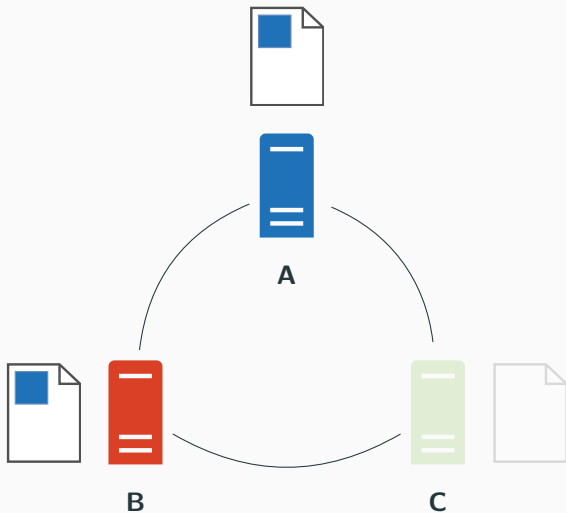
- Replicated data structure

Conflict-free Replicated Data Types (CRDTs)[1]



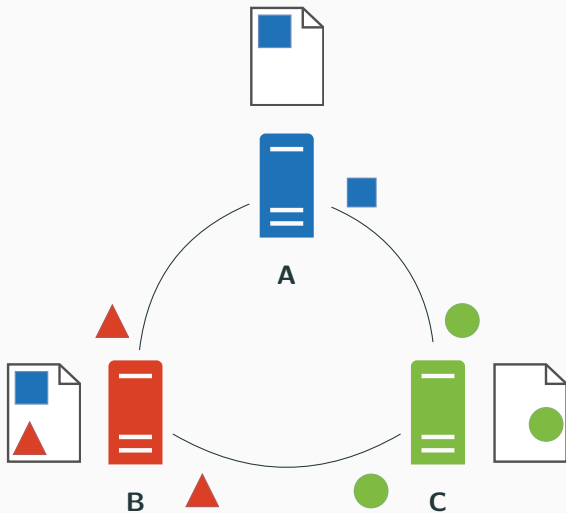
- Replicated data structure
- Updates performed without coordination

Conflict-free Replicated Data Types (CRDTs)[1]



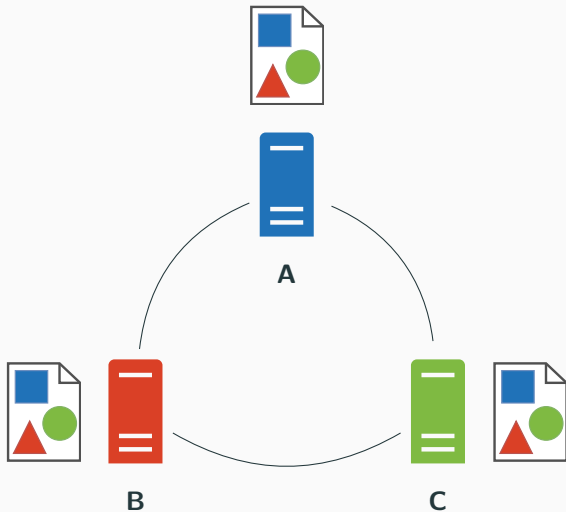
- Replicated data structure
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Conflict-free Replicated Data Types (CRDTs)[1]



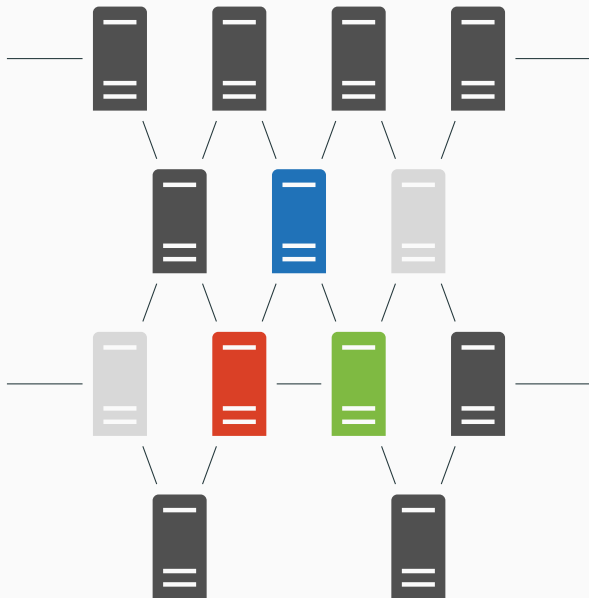
- Replicated data structure
- Updates performed without coordination

Conflict-free Replicated Data Types (CRDTs)[1]



- Replicated data structure
- Updates performed without coordination
- Eventual consistency

Large-scale system



Thanks for your attention, any questions?





M. Shapiro, N. Preguiça, C. Baquero, and M. Zawirski.

Conflict-free Replicated Data Types.

In *International Symposium on Stabilization, Safety, and Security of Distributed Systems - SSS 2011*, pages 386–400, Grenoble, France, Oct. 2011. Springer.