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Report on Extended Distribution Subsystem
Due date: project month 30
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Responsible Partner: SICS

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Short Description

This deliverable presents the design and implementation of DSS extended with a structured peer-to-peer service, the Extended Distribution SyStem(EDSS). The structured peer-to-peer service is realized by an implementation of the DKS algorithm, a direct result from WP2.

We show how the peer-to-peer service is used to create new protocol components for the unique coordination framework in the DSS. First, a decentralized home migrating protocol that does not rely on any single node for its correctness, i.e. fault tolerant. Second, a scalable stream protocol. The novel protocol components fit into the existing framework and can be freely combined with the large, already existing, protocol suite.

Partner owning:	SICS
Available to:	Public