Collaborative working and workflow management in a peer2peer system

János Csempesz, Csaba Fülöp, László Kovács
MTA SZTAKI, Department of Distributed Systems

The aim of Peer2Meet is to provide a base for distributed groupwares and to build an electronic meeting support system. It is based on a peer2peer package and it implements a distributed object store. The system passes the objects stored in the object store to the others using a peer to peer protocol. Objects are encrypted and only the right persons can access them. The necessary object types for a meeting support system are for example: document, order, voting, message board, etc. It was a challenge to implement a workflow system in this distributed environment. To solve this problem there is a workflow manager instance running on every node and nodes keep them synchronised by messages. This paper exposes the details of the system.