

Project Number: IST-2001-33234
Project Acronym: PEPITO
Title: PEer-to-Peer Implementation and TheOry
First Progress Report on Distributed Algorithms
Due date: project month 24
Delivery Date: 2003-12-31
Responsible Partner: KTH
Participating Partners: SICS

Deliverable no:	D4.4
Title:	Report on security services in distribution subsystem (KTH) report
Workpackage no:	WP4
Due date:	24
Delivery date:	2003-12-31

Short Description

This deliverable presents a summary of the work made regarding security in workpackage 4, during the year 2003.

The report describes the design and implementation of enhancements to the DSS regarding security. These enhancements are a result of the identified division of labor between the DSS and the programming system with respect to security. Furthermore we have analyzed and classified various security threat scenarios with a view to safeguarding against them. The enhancements regarding security to the DSS have targeted support for the diffusion based distribution model of the DSS. This includes securing connection establishment and securing channel communication.

The report also outline further work to complete the transition to a middleware offering refined access control within the DSS with secure protocols and protocol interaction.

Partner owning:	KTH
Partner contributing:	SICS
Available to:	Public