

# Master's Thesis „Flat Names“ – Task Description

This document contains the task description of the master's thesis of Rashid Waraich (wrashid@student.ethz.ch). Changes can be made by mutual agreement.

**Duration:** 6 months (start: 27. September 2006, end: 27. March 2007)

## Working Plan

This thesis should help to find out how to handle flat, self-certifying names which have been used by various system designs (e.g. DONA, SFR, etc.). This is especially important for the DONA project, which is currently in progress at the ICSI in Berkeley.

### 1.) Goals

Find a way to handle flat, self-certifying names:

1. How to map human-readable names to flat names?
2. How to map flat names back to human-readable names?
3. How to find a certificate chain from one flat name to another flat name?
4. Additional sub-goals may be defined later, as stated before.

### 2.) Deliverables

- a. A report (30 to 50 pages, in English), which contains information about the work carried out and the results.
- b. A scientific report (10 pages, in English) which resumes the results.
- c. An oral presentation of the thesis at the home university.

## General Information

- There is an office work space available at the ICSI.
- Weekly group meetings on DONA should be attended.
- Every week there should be at least one meeting with Teemu and/or Prof. Shenker.

## Contact Persons

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|----------------------------|----------------------------|
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