

Lab1 Lock Server

Xie Chenning@ipads

A series of horizontal lines in teal and light blue colors, located on the right side of the slide, extending from the center line down to the bottom.

Information

- TA
Chenning Xie
xiechenney@sjtu.edu.cn
xie.chenney@gmail.com

Preparation - SSH Access

- 1. generate a rsa key
 - you can use ssh-keygen, e.g. `ssh-keygen -t rsa -C "your_email@youremail.com"`
 - ssh default configuration:
 - `/home/user/.ssh/id_rsa`
 - `/home/user/.ssh/id_rsa.pub`
- 2. change to public key name to be `studentID.pub`, and send the public key to me.
- 3. add the private key file, e.g. `"ssh-add studentID"`
 - may use `"ssh-agent bash"` first

AOS-Lab

- Implement your own DFS:
 - Lock server : familiar with RPC
 - File server : manager and share files
 - Locking
 - Cache lock
 - Consistency
 - PAXOS
 -

Lab1 - Lock Server

- Server grants lock, one at a time
- Client request to acquire and release locks
- augment the provided RPC library to ensure **at-most-once** execution by eliminating duplicate RPC requests

Notice

- Hand-in procedure

<ftp://public.sjtu.edu.cn/upload/>

username: xiechenny

See the website :

<http://ipads.se.sjtu.edu.cn/courses/ads/labs/lab1.shtml>

- Deadline: **2012-09-24 22:00**