TISL:Transparent Internet Storage Layer

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http://tisl.lin2win.net

Motivation: Free Services

Service Type	Free Space
Webspace (ISP)	10 MB – 50 MB
Webspace (other)	30 MB – 100 MB +
Mailbox (ISP)	10 MB +
Mailbox (other)	5 MB – 2.5 GB
Group Accounts	10 MB +
Usenet	infinite * ** ***

* automatically distributed around the world

** postings disapear after a while

*** public, therfore use encryption

Motivation: Consistency

- Download Ubuntu 6.06
- Download SG1 Season 9
- Buy Chips (for Stargate)

`notes.txt`

- Buy Coke and Chips
- Download Ubuntu

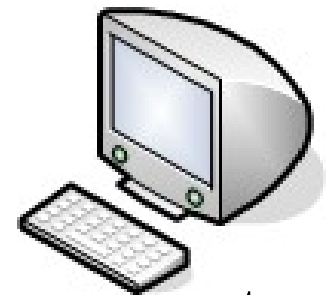`notes.txt`

- Slides for KV OSS !
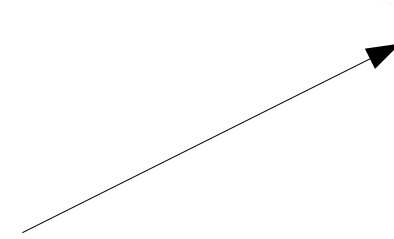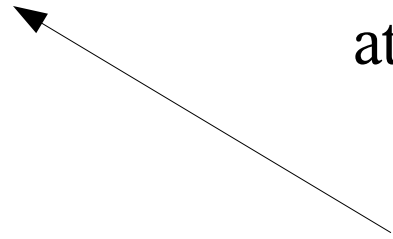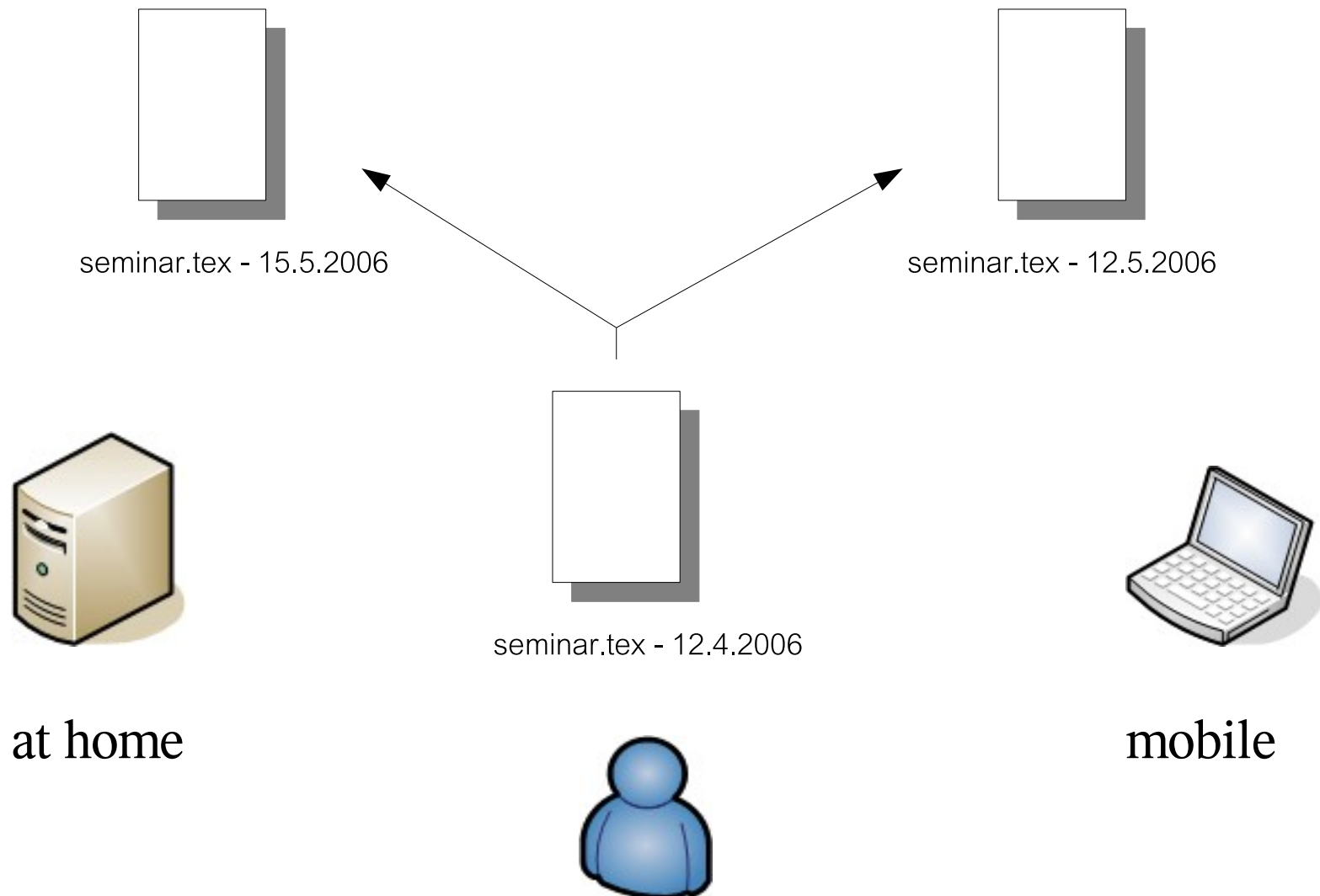- Buy Coke
- Buy Chips

`notes.txt`

mobile

at home

at work

Motivation: Concurrent Work

seminar.tex - 15.5.2006

seminar.tex - 12.5.2006

seminar.tex - 12.4.2006

at home

mobile

Motivation: Programming

Webserver Mailserver Groupserver

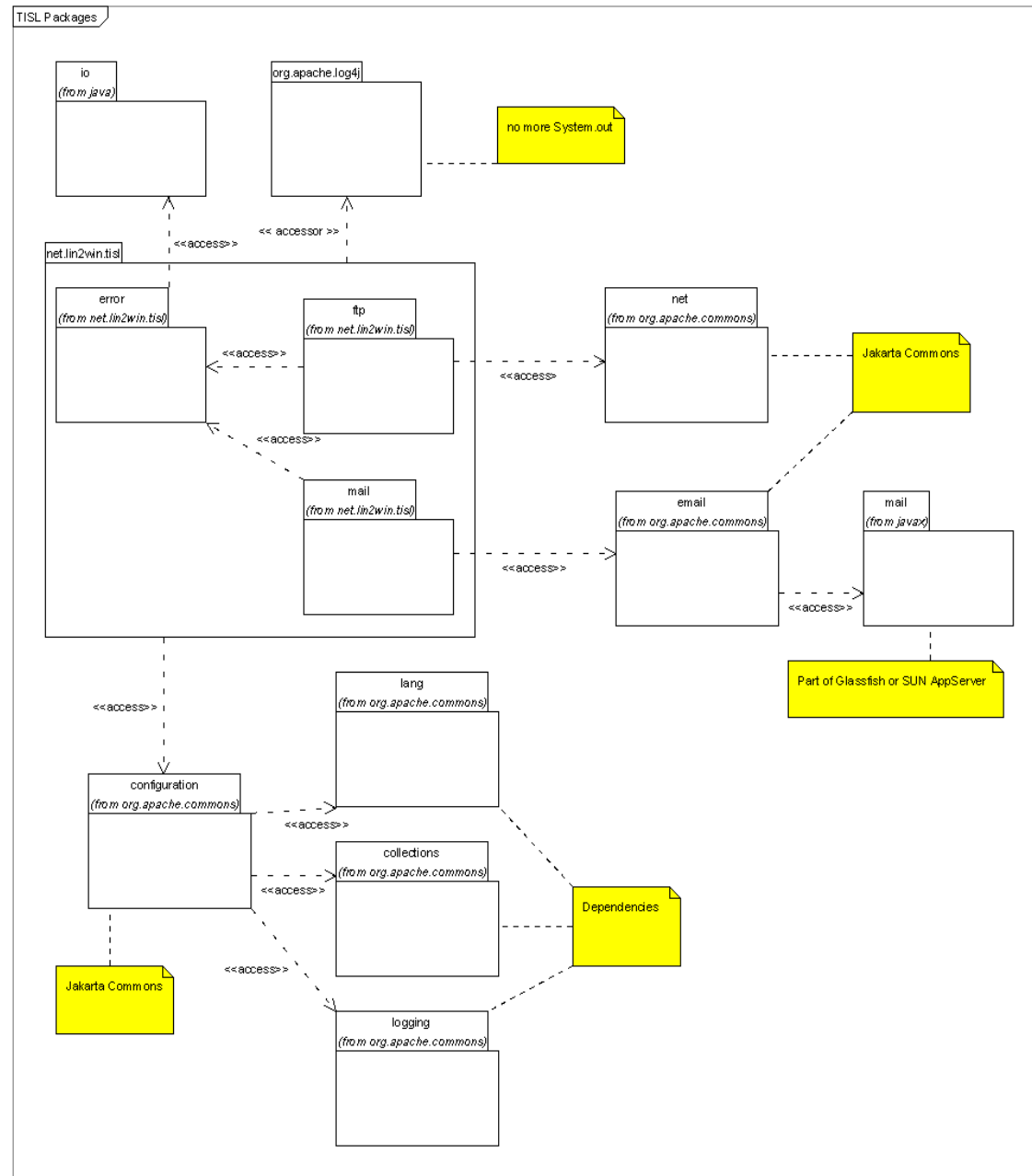SMTP POP

FTP   HTTP
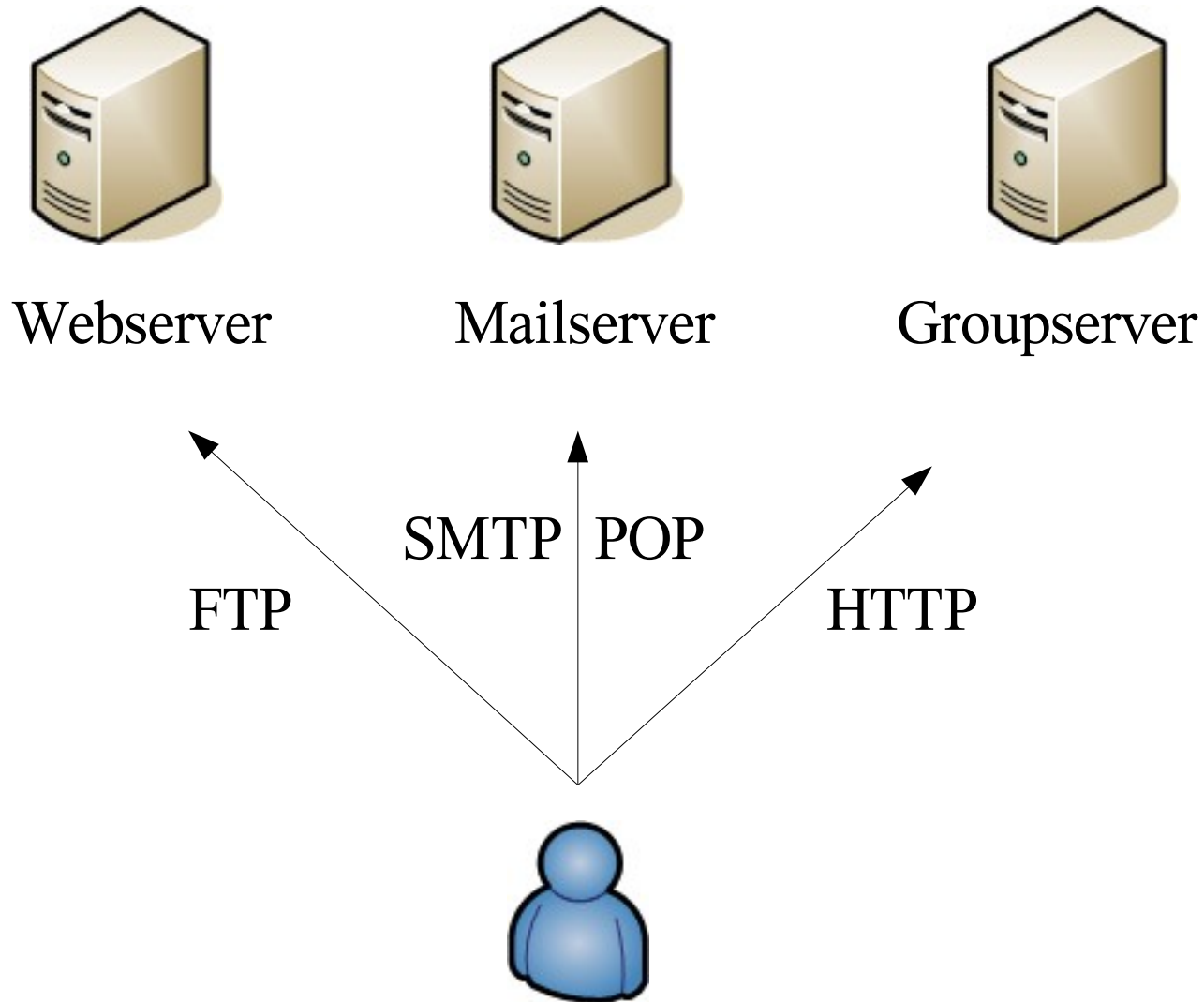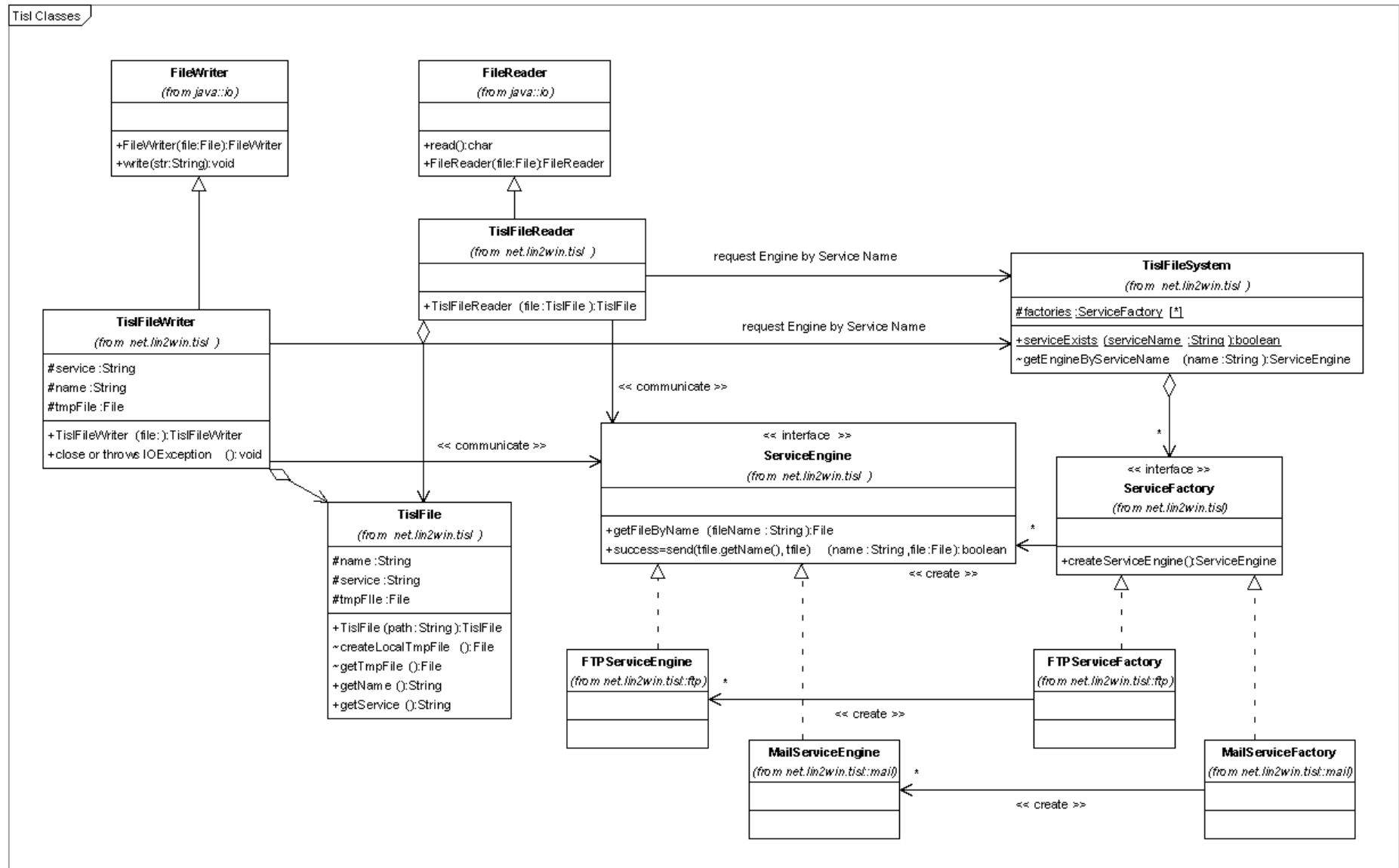
Transparent Internet Storage Layer
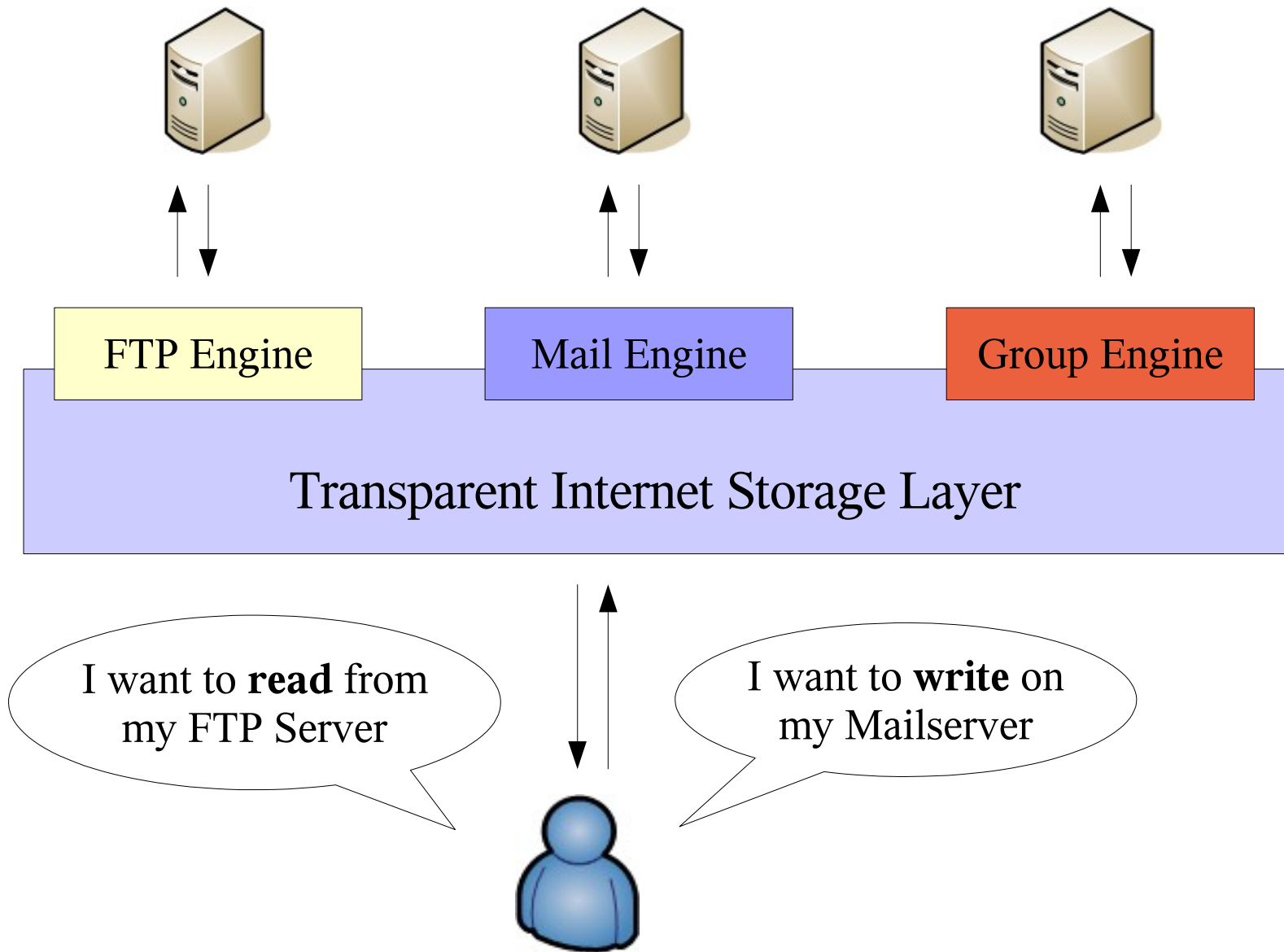
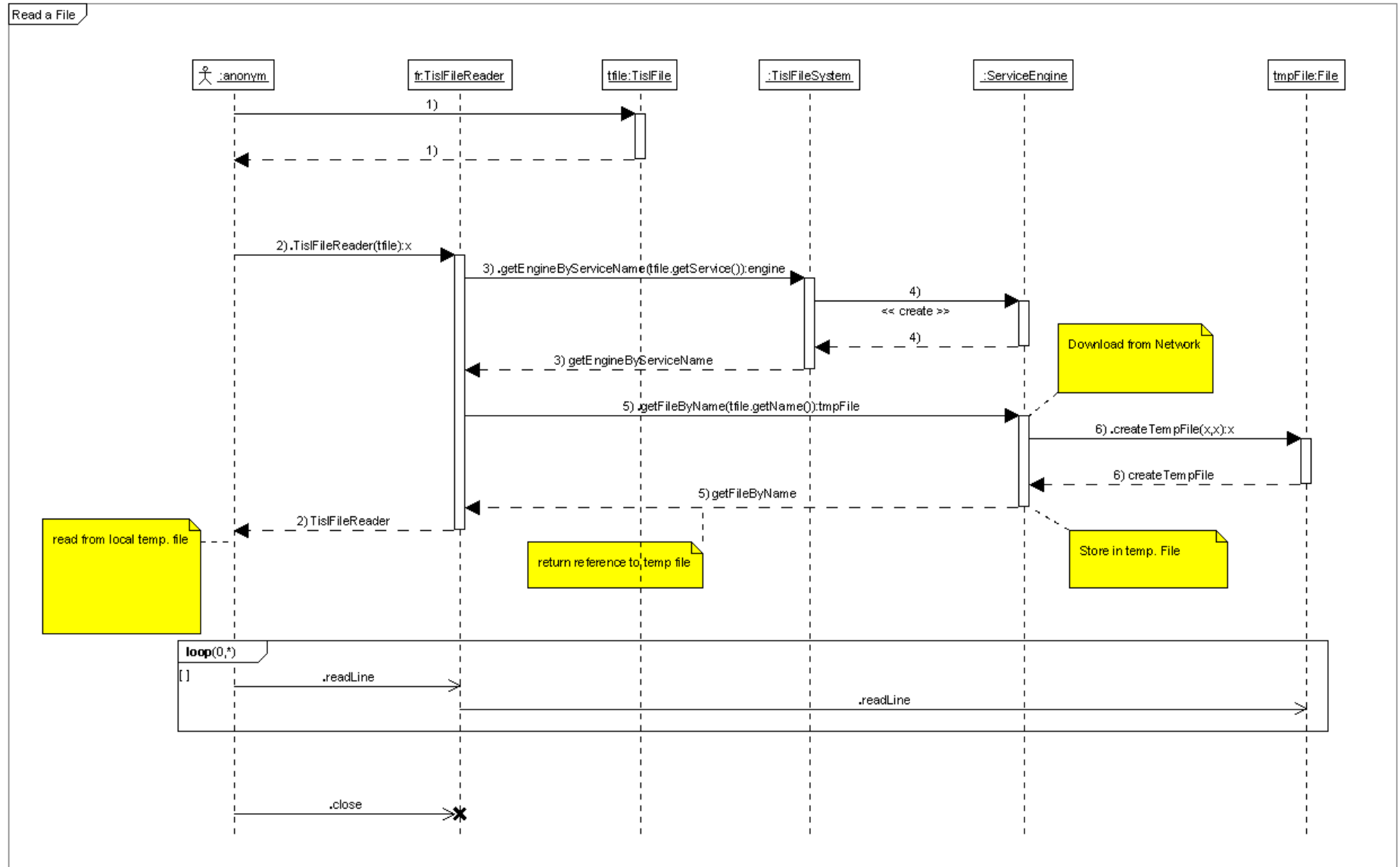# *How it works: Components*
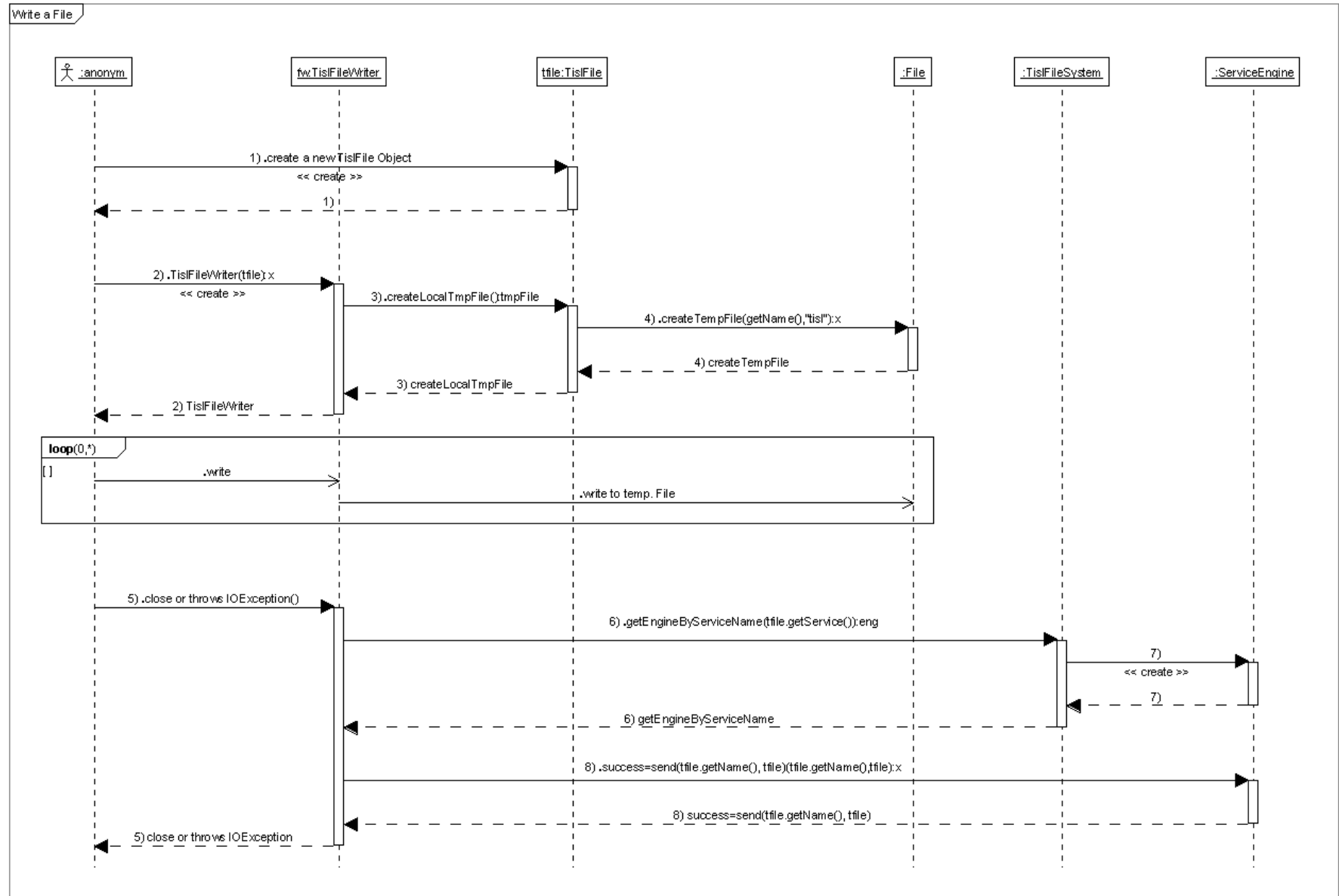
How it works: UML Classes

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How it works: Read

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How it works: Write

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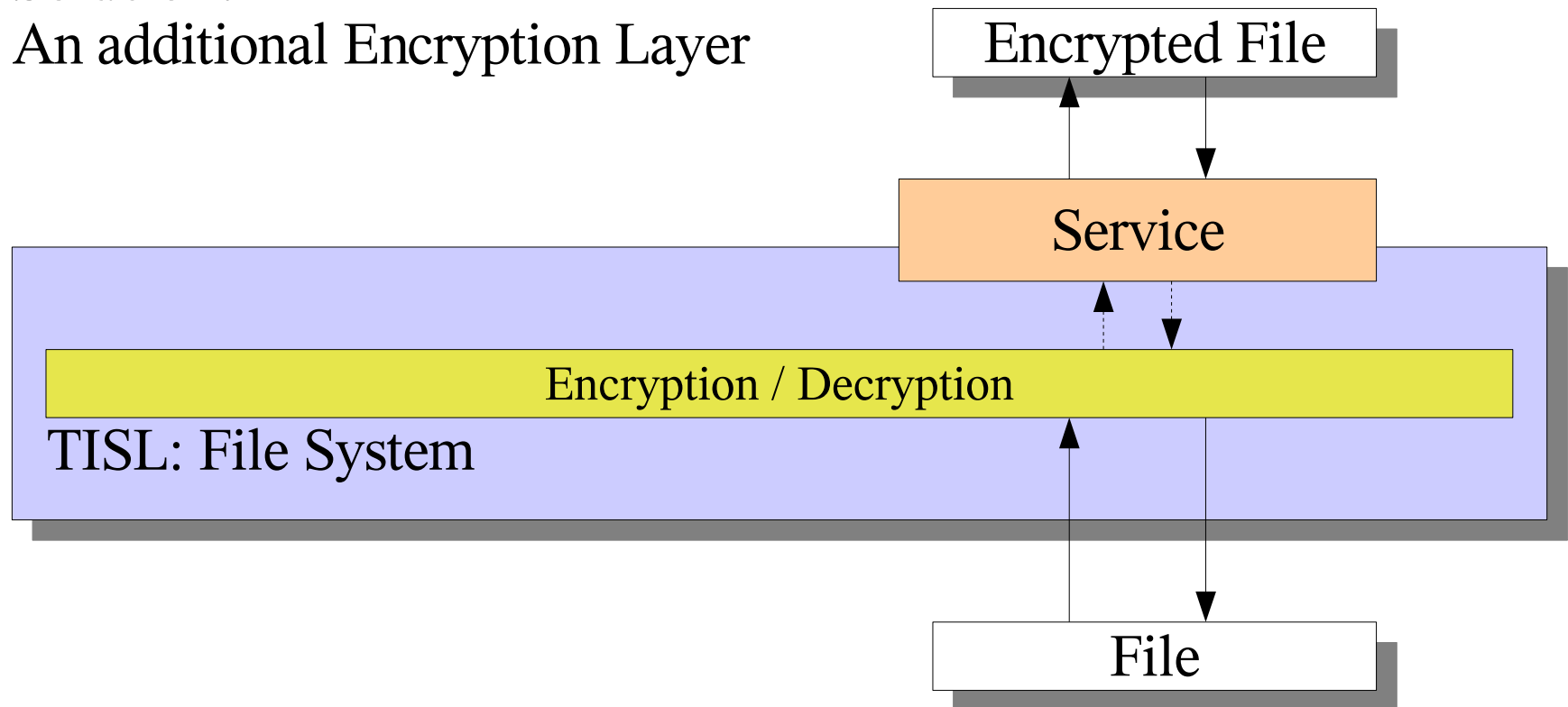# *Known Issues: Email Duplicates*
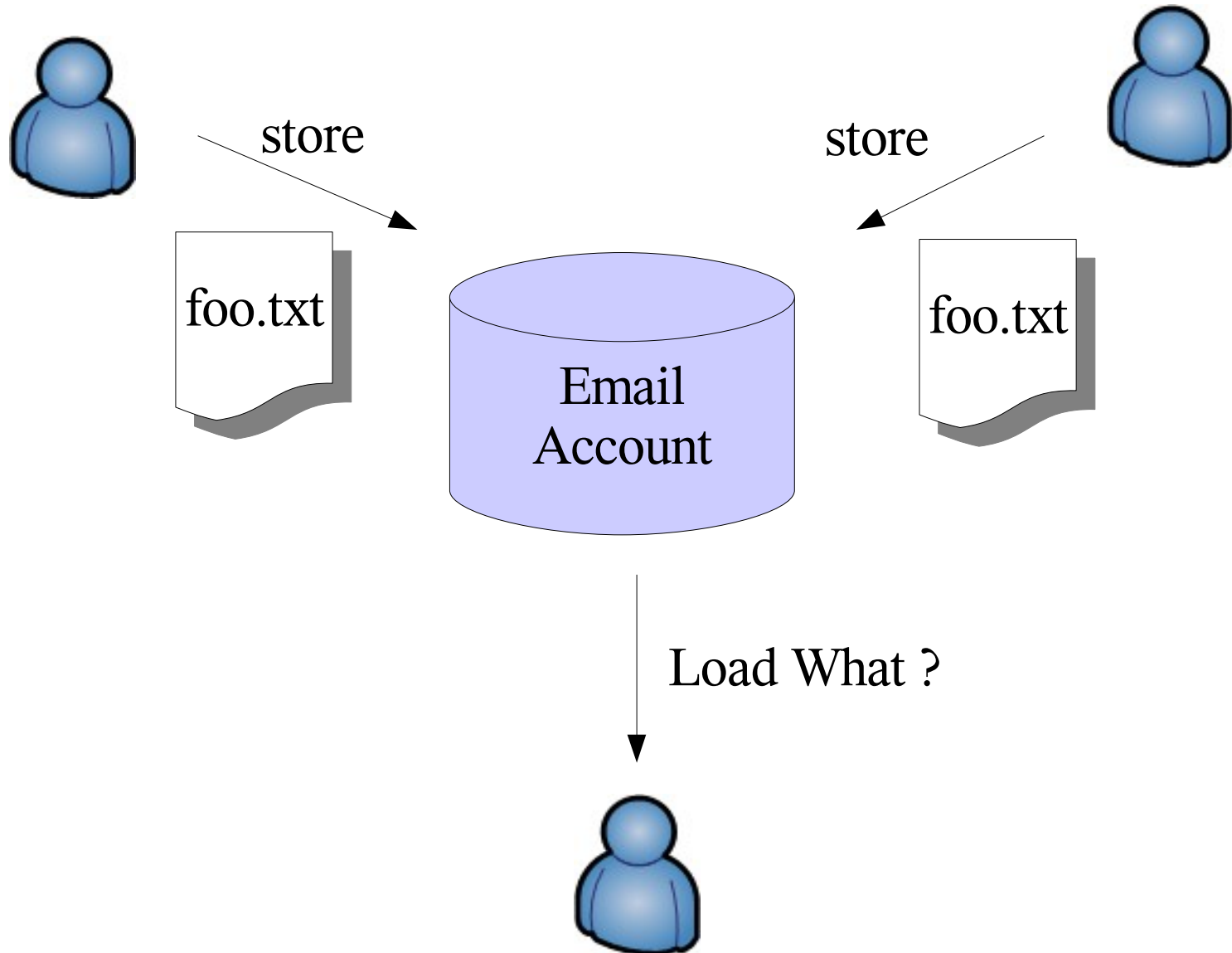
Known Issues: *No Locking*

FTP
Account

1) Read

2) Write

3) Modify local

foo.txt
(Duplicate)
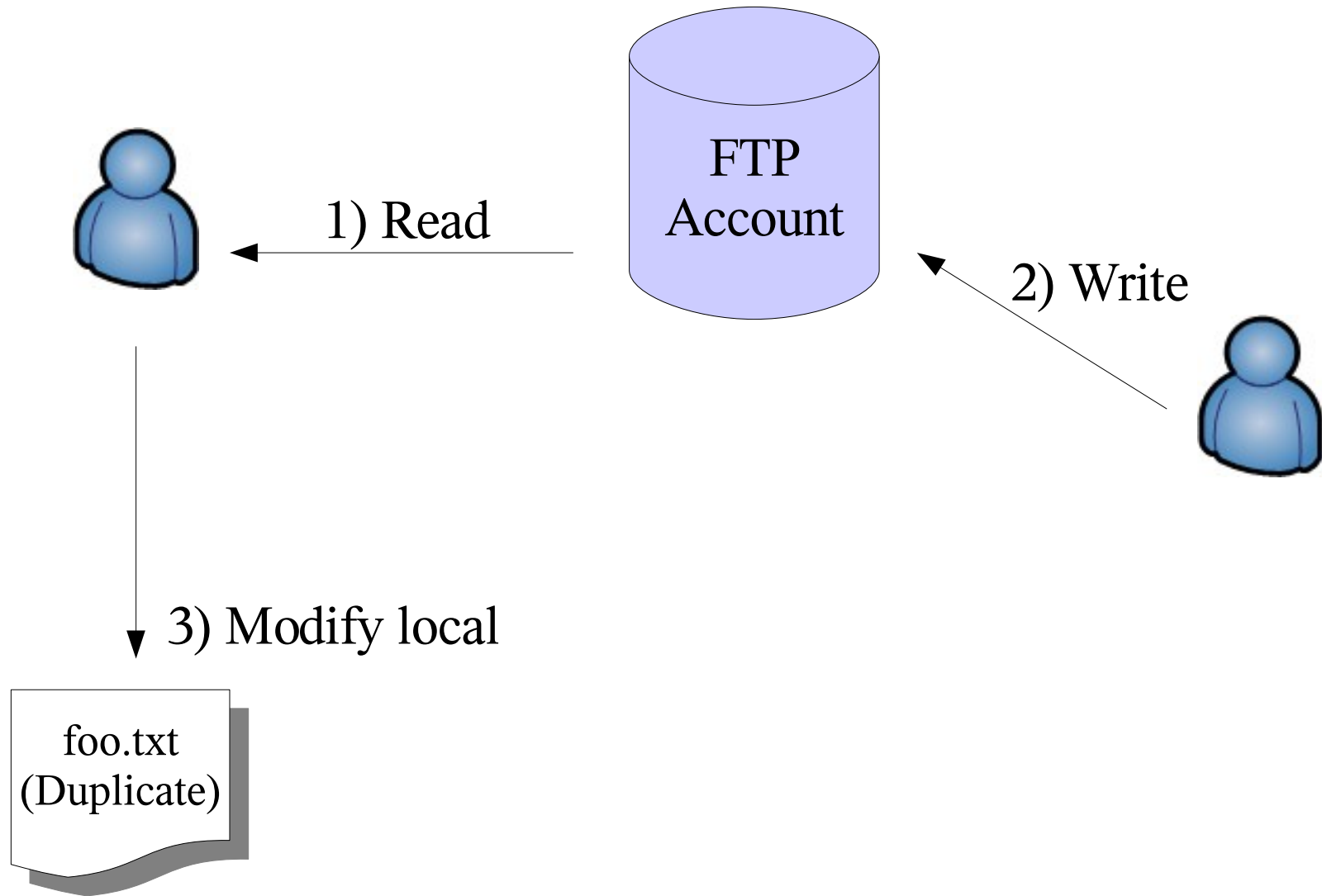
Future Challenges: Encryption

Problem:
If you store your files on your FTP Server it may be available via your Webserver: `http://userid.provider.com/file.txt`

Solution:
An additional Encryption Layer

Encrypted File

Service

Encryption / Decryption

TISL: File System

File

Future Challenges: Plugin

Problem:
Services are initialized in a static Block in the FileSystem Class.

Vision:
Easy to extend via a Plugin Mechanism.
- Write your own Service
- Copy&Paste your Class Files in the TISL Folder
- Use your Service

Solution:
Java Reflection