

# Multi-Blogging with Scribo 0.3x

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# Key Features

- Mobile bloggers
- Multi-use of several blogs

Livejournal: > 20 m. bloggers

Blurdy: > 1 m. bloggers

InsaneJournal: > 0.5 m. bloggers

Dreamwidth: > 0.4 m. bloggers

...

- 1 User accounts at blog services  
login, read, edit
- 2 Blog postings and cross-posting  
read, draft, send, duplication to several blogs, edit, delete
- 3 Comments  
read, send, freeze, delete



## Reasons of using Scribo:

- Blogging with your mobile computer: N900, netbook, laptop, ...
  - ▶ GUI is usable for Maemo/MeeGo-based mobile devices
  - ▶ Internet connection is breakable or weak, offline mode happens often
- Operating with multiple blogs simultaneously
  - ▶ common lists of messages
    - ★ filtering messages
    - ★ sorting messages
    - ★ aggregation
  - ▶ reading blogs of your friends
  - ▶ commenting in your and your friends' blogs

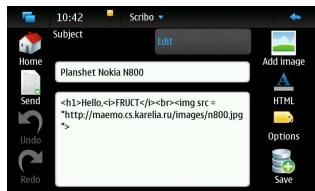
***Scribo weakens the restrictions of your location, computer size/weight, network quality, and the number of blog accounts&services***



# Basic scenarios

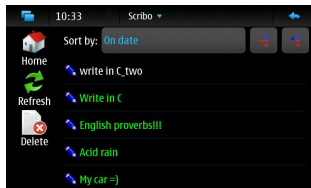
## 1 User profile

- ▶ several blog services
- ▶ several own accounts at each service
- ▶ relations to friends' accounts and groups



## 2 Postings

- ▶ read, send
- ▶ edit, delete
- ▶ duplicate to several blogs



# Basic scenarios

## 3 Comments

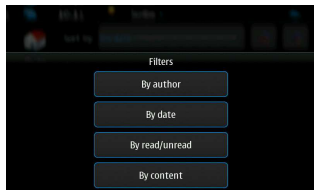
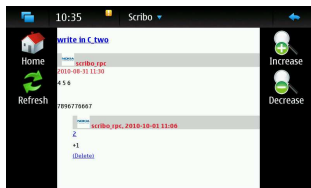
- ▶ read, send, delete
- ▶ show, freeze

## 4 Common lists of messages

- ▶ own blogs, friends' blogs, ...
- ▶ sort, filter

## 5 Application settings

- ▶ proxy
- ▶ fonts



# Demo is started ...



# Related work: non-browser solutions

Feature	Scribo	Mastory	Mauku	PicoBlogger	BlogPress
Platform	Maemo	Maemo.	Maemo	Symbian	iPhoneOS
Blog services	LiveJournal, DreamWidth, InsaneJournal, Blurdy	LiveJournal, Blogger, WordPress, Drupal	Twitter, Identy.ca, Qaiku	LiveJournal, Blogger, TextAmerica, MovableType, TypePad	LiveJournal, Blogger, TextAmerica, MovableType, TypePad, MSN LiveSpace, WordPress, Drupal, Twitter
Posts	Reading, Writing, Editing, Deleting	Reading, Writing, Editing, Deleting	Reading, Writing	Reading, Writing	Reading, Writing, Editing
Comments	Reading, Writing, Screening, Freezing, Deleting	Reading, Writing	Reading	Reading, Writing, Notifications	?
Friends and Groups	Reading, Writing, Deleting	—	Reading	Reading, Writing	Notifications about updates
Cross-posting	Yes	No	?	No	Yes
Cache	Yes	Only for drafts	?	?	?
Offline mode	Yes	Drafts only	?	?	Drafts only
UTF support	Yes	No	?	?	?
WYSIWYG-editor	No	Yes	?	?	Yes
Images in posting	links	Flickr, Picasa	links	yes	Flickr, Picasa
Multiaccounts	Yes	No	?	?	?
Categories and Tags	Tags	Yes	?	?	Yes

?: The feature is not found in product description





# Architecture

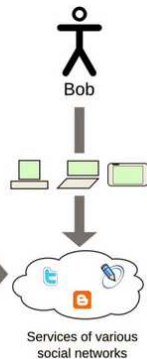
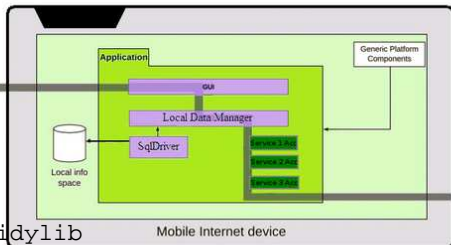
## Application:

```
python
python2.5-qt4
```



## GUI:

```
python2.5-qt4-webkit
python2.5-qt4-gui pytidylib
```



## Service: drivers (plugins) to services (e.g., XML-RPS for LiveJournal API)

```
python-xml
```

## SQL Driver: to local database of user profiles and posts (cache)

```
sqlite3
```



# Testing and bug management

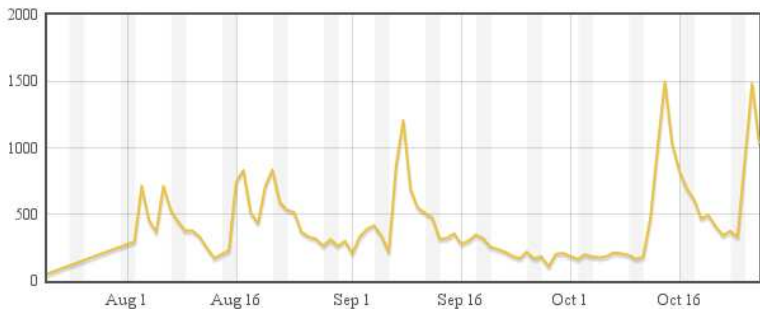
- Unit tests: 50 tests (626 checks)
- System tests 40 tests in 5 modules
- Test scenarios (scratchbox and N900, developers and volunteers)
- Package in Maemo extras-testing repository
- Feedback from forums

**Project Bugzilla:** <http://oss.fruct.org/bugzilla/>

Sev\Status	Open	Fixed	Closed	Total
Critical	0	2	4	6
Serious	1	3	7	11
Major	3	2	51	56
Minor	0	0	14	14
Trivial	1	1	13	15
Enhancement	9	3	60	72
Total	14	11	149	174



# Downloads from the Maemo repository



<http://maemo.org/download-stats/index.php?username=scribo>

Total: 38022 downloads (30.10.2010)

cs.karelia.ru

# Completed Iterations

## I. Spring 2009: *Maemo 4, C, GTK*

**February–March:** Planning. Requirement engineering.

**April–May:** Designing a proof-of-the-concept prototype.  
5<sup>th</sup> FRUCT seminar and AMICT'2009 workshop

## II. Summer — Autumn 2009: *Maemo 4&5, C, GTK*

**July–August:** Refactoring the architecture. A workable prototype.

**September–November:** A demo LiveJournal client with user profiles and postings. 6<sup>th</sup> FRUCT seminar

## III. Winter 2009 — Spring 2010: *Maemo 5, Python, PyQt/PySide*

**December–February:** Moving to the new platform and tools.  
Functionality. Testing and debugging.

**March–May:** Releases 0.2x in extras-devel.  
Cross-posting, friends and groups, usability.  
2<sup>nd</sup> Maemo and 7<sup>th</sup> FRUCT conferences



# Recent Activity and Future

## IV. Summer 2010 — Autumn 2010: *Maemo 5, Python, PyQt/PySide*

**June–September:** Multi-blogging and usability.

Releases 0.3x in extras-testing. Forums and feedback.

AIS/CAD 2010 Congress

**September–November:** Support for comments and common lists.

Blog about Scribo at Livejournal.

Finalizing release 0.3x.

8<sup>th</sup> FRUCT conference

## V. Smart Spaces



# The Team



Aleksandr Sannikov, MSc student  
Leader, release manager, coder



Diana Zaiceva, MSc student,  
GUI, use cases, multi-blogging



Artem Mezhenin, MSc student,  
architecture, middleware, testing



Dmitry Korzun,  
Supervisor

## Experts:



Yury Bogoyavlensky



Mikhail Kryshen



Timofey Turenko



## Release 0.3x is finalized

- Project page:  
<http://scribo.garage.maemo.org/>
- Wiki of developers:  
<http://oss.fruct.org/wiki/Maemo-Blogs>
- Open source (GPLv2):  
<http://gitorious.org/scribo-client>
- Package to install:  
<http://maemo.org/packages/view/scribo>
- FRUCT R&D project: <http://fruct.org/node/92/>
- Blog for users:  
<http://scribo-journal.livejournal.com/>

Please, send your comments to [maemo-scribo@cs.karelia.ru](mailto:maemo-scribo@cs.karelia.ru)  
and bugs to <http://oss.fruct.org/bugzilla/>



# Thank you