

# xmppproxy

A proxy server for xmpp

Ralph Krimmel

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# Motivation

## Why xmpproxy?

- 24/7 XMPP client running on vserver
- Mobile XMPP clients (laptop/smartphone) caused incomplete logs

# Project summary

## Summary

- Language: Perl
- Version control system: git
- Project page: <https://github.com/foobarable/xmppproxy>
- Used software: vim, L<sup>A</sup>T<sub>E</sub>X, doxygen, make, scribus, dia

# Dependencies

## Used software librabries

- djabberd  $\geq 0.85$
- XML::Simple  $\geq 2.18$  for configuration file reading/writing
- Authen::SASL  $\geq 2.15$  for SASL authentication
- XML::SAX  $\geq 0.99$  for XML parsing

# User and account management

## User database

- xampproxy maintains own user database
- Kept in memory
- Synchronized with XML file on action
- Each user can have multiple proxy accounts
- Buddylist stored for every proxy account

# XMPP client inside DJabberd

## Features

- Event based XMPP client inside DJabberd
- Basic functionality
- SASL support for authentication

# Root admin bot

## Controlling xmpproxy

- **root** bot in every users buddylist (DJabberd::Bot::Admin)
- xmpproxy can be controlled by sending this bot messages
- Three main commands: user, account, help
- Subconmmmands: add, delete, set...

# Message Carbons

## XEP-0280

- XMPP extension protocol
- Needed to mirror an outgoing message
- Still experimental status

⇒ Send complete conversations via a log@<host> account



# To do

xmppproxy basically working...

...but still a lot of work (including DJabberd TODOS)

```
$ grep -Ri TODO xmppproxy/lib | wc -l  
42
```

## Open (additional) tasks

- SSL/TLS
- Handle/Forward specific IQs
- Add more functions to admin bot
- Implement jingle (audio/video via XMPP)
- Document DJabberd

# Thank you

## Questions?