xmpproxy
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/xmpproxy
- Used software: vim, LaTeX, 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

- xmpproxy 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
- Subconmmands: 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

xmpproxy basically working. . .

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

```
$ grep -Ri TODO xmpproxy/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