

# Instant Messaging with IPv6

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# Why Instant Messaging (IM)

- Easy method for quick communication
- See who is online (Presence)
- (Simple file transfer)
- Possible solutions:
  - (IRC)
  - ICQ
  - MSN, AOL IM, Yahoo IM
  - Jabber

# What is Jabber?

- Jabber is an open source instant messaging solution
- XML based method to send messages (XMPP)
- Secure SSL connections possible
- Users have to authenticate to create their contact lists and to talk to each other

# Advantages of Jabber

- Some server solutions are free (GPL) available
  - Jabberd 1.x and 2.x
  - WPjabberd
  - OpenIM
  - ejabberd
- Not disliked so much (like IRC e.g.)
- Distributed servers
  - No centralized servers
  - User accounts are server based
- Some servers and clients support IPv6

# Jabberd2

- Redevelopment of jabberd1.x
- Many „internal“ plugins exist for jabberd1.x, now usable for version 2.x
  - ICQ gateway
  - Chat room facility (MUC)
  - Other Gateways (IRC, \*-IM)
- Several DBs possible to hold data (MySQL, db, files)
- Unfortunately not „the best“ server (it's new, latest version is jabberd-2.0s2)

# JOIN jabber server

- Server:
  - **jabber.join.uni-muenster.de**
  - Open for everyone, just create an account
    - (!don't use important passwords, they are readable in the DB!)
  - Includes ICQ gateway and MUC
- Multi user chat room:
  - **conference.join.uni-muenster.de**
  - Several rooms available (join, 6net, chat, others)
- Some Jabber IDs (JID) to talk to:
  - [andre@jabber.uni-muenster.de](mailto:andre@jabber.uni-muenster.de)
  - [schild@jabber.join.uni-muenster.de](mailto:schild@jabber.join.uni-muenster.de)
  - [skye@jabber.join.uni-muenster.de](mailto:skye@jabber.join.uni-muenster.de)
  - [tassian@jabber.uni-muenster.de](mailto:tassian@jabber.uni-muenster.de)

# Jabber clients

- Over 70 jabber clients available with different level of maturity
  - **Gabber 0.8.8**
    - Good IPv6 support, good client
  - Gabber 1.9.3
    - Not tested yet
  - **GAIM 0.77**
    - Good IPv6 support, supports multiple IM services
  - PSI 0.9.1
    - No support for IPv6 yet, good client for many platforms
- No Windows client so far (GAIM port not tested yet)

# Links

## Jabber home pages:

- <http://www.jabber.org/>
- <http://www.jabberstudio.org/>

## XMPP WG:

- <http://www.ietf.org/html.charters/xmpp-charter.html>

## Jabberd home page:

- <http://jabberd.jabberstudio.org/>

JOIN

# Questions?

Contact: [join@uni-muenster.de](mailto:join@uni-muenster.de)

Homepage: <http://www.join.uni-muenster.de>