



# Red5 media server

Development in open source projects:

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# What is it?

*„Red5 is an Open Source Flash Server written in Java that supports:*

- Streaming Audio/Video (FLV and MP3)*
- Recording Client Streams (FLV only)*
- Shared Objects*
- Live Stream Publishing*
- Remoting (AMF)“*

[1]

# Main Facts

- Licensed under the LGPL
- Uses Adobe RTMP protocol
- Hosted with other open source flash projects at [osflash.org](http://osflash.org)
- Sources at [code.google.com](http://code.google.com)
- Written in Java with ActionScript examples
- Small developer team (2 managers & 7 active developers)

# RTMP Protocol

- Container protocol that can contain AMF or FLV data packets
- Reverse engineered by network packet analysis

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## Adobe to Open Flash Platform Messaging Protocol

### For immediate release


#### Publishing RTMP Advances Open Screen Project

**SAN JOSE, Calif. — Jan. 20, 2009 —** Adobe Systems Incorporated (Nasdaq:ADBE) today announced [plans to publish the Real-Time Messaging Protocol \(RTMP\) specification](#), which is designed for high-performance transmission of audio, video, and data between Adobe® Flash® Platform technologies. Providing developers and companies open and free access to RTMP is the latest

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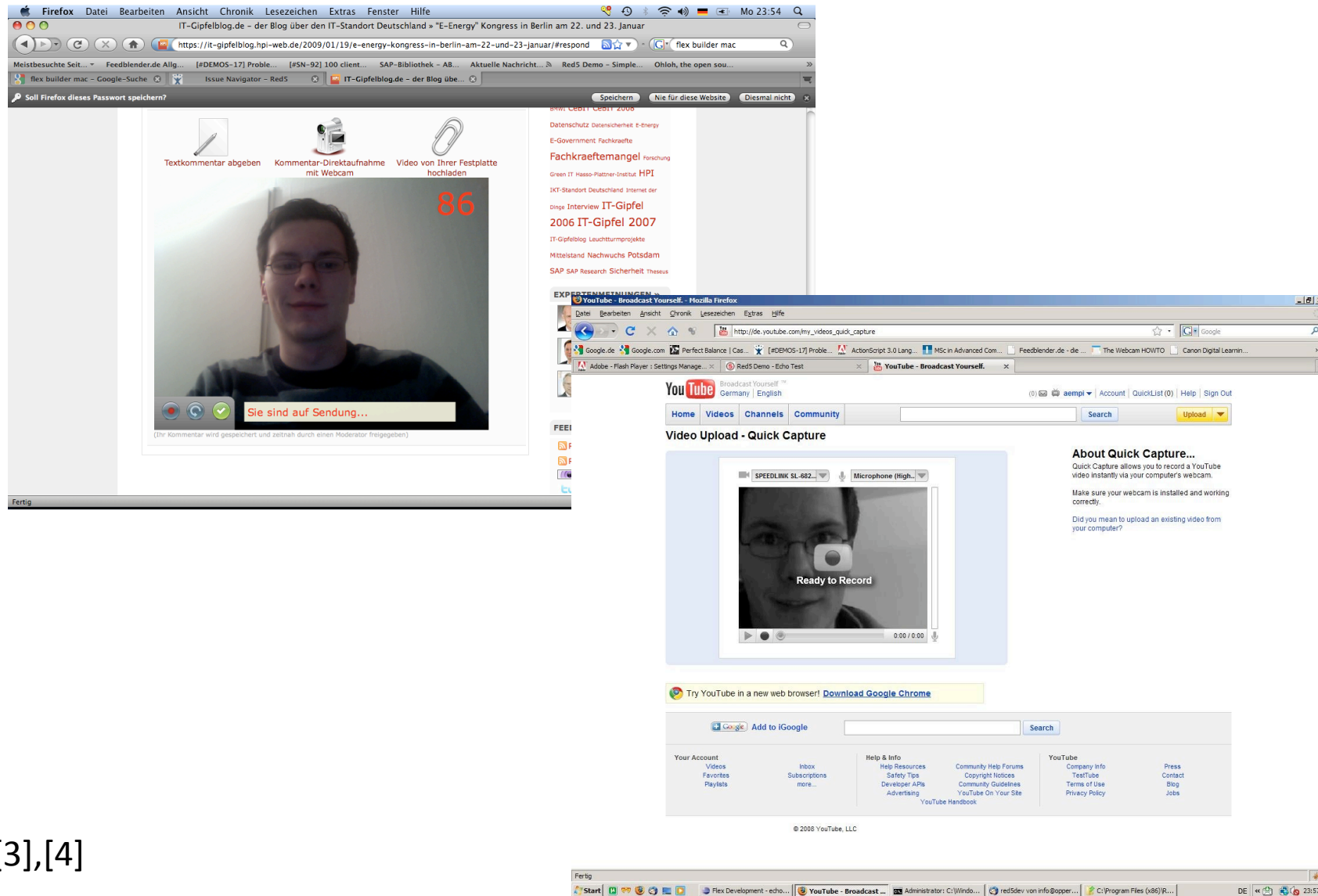
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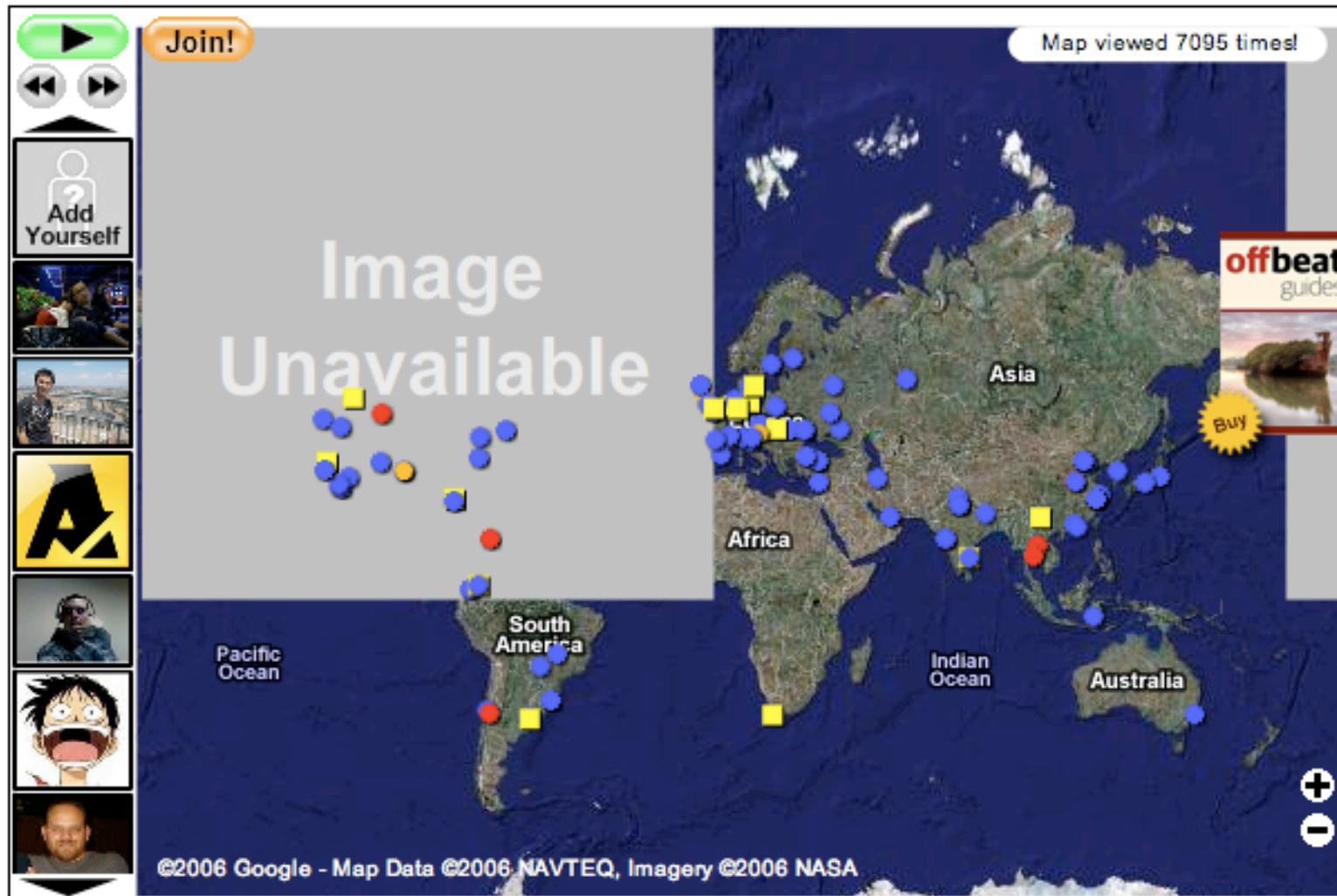
[2]

# What can be achieved?



[3],[4]

# Who is using red5?



Blue:  
Male users

Red:  
Female users

Yellow:  
Institutional  
users

# Project structure

- Trunk Revision: ~3420
- RC 2 0.8.0 is coming
- #red5 at freenode ~ 15 Users when i logged in
- mailing lists
  - (devlist ~102 mails per month in the last half year)
  - Other lists: announcements, users, tickets, svn, russian
- Jira bugtracker:
  - 546 Items distributed among 9 topics
  - Each topic has a lead assigned
  - 65 Unresolved Items

# My issue [#DEMOS-17]

- Object Transfer testing application has some bugs in the latest release candidate
- Checked out a new and a old version compared sourcecode and functionality
  - Variable assignment was wrong
  - Some additional exception handling was needed
- Fixed the issue and posted the svn diff in jira.  
Answer within 6 minutes



# My selfmade issue

- Installer for MacOS X missing for the latest releases since a few weeks now
- No ticket, but still annoying
- Wrote to the lead for the installers: No answer
- Just created the installer and posted it on the mailing list: Answer within three minutes and request to document the process and create the installers in the future

# Sources

- [1] <http://osflash.org/red5>
- [2] <http://www.adobe.com/aboutadobe/pressroom/pressreleases/200901/012009RTMP.html>
- [3] <http://it-gipfelblog.de>
- [4] <http://youtube.com>
- [5] <http://frappr.com/maps/red5>
- [6] <http://jira.red5.org>
- [7] <http://osflash.org/mailman/listinfo>
- [8] <http://jira.red5.org/browse/DEMOS-17>
- [9] [http://osflash.org/pipermail/red5devs\\_osflash.org/2009-January/004431.html](http://osflash.org/pipermail/red5devs_osflash.org/2009-January/004431.html)