



ESUG 2009

Dude, it would be so simple to  
build something better than this.

**DO IT!**

JMX

I don't need it

I just use a workspace

I write my own

# offers

- query values
- perform operations
- receive notifications



# 2 APIs

- inside the image to expose
- outside the image to consume

*Demo*

OSGi

# features are bad

they make stuff more complicated and bloated

features are good

they get stuff done and sell your software

plugins are cool

as long as they work together

module systems would help  
but nobody uses them

[www.springframework.com/repository](http://www.springframework.com/repository)

[www.osgi.org/Repository](http://www.osgi.org/Repository)



# Users

- Eclipse RCP
- GlassFish v3
- “smaller ones”, e.g. Sling

Maven 2

# We don't need build systems in Smallalk!

Have you ever tried to release more than a dozen Seaside subprojects on SqueakMap and Universes?

make an object of your project  
don't script

# POM

- Single inheritance for common stuff between similar projects
- like a prototype

Developers

License

Contributors

“Modules”

Homepage

Inception Year

Dependencies

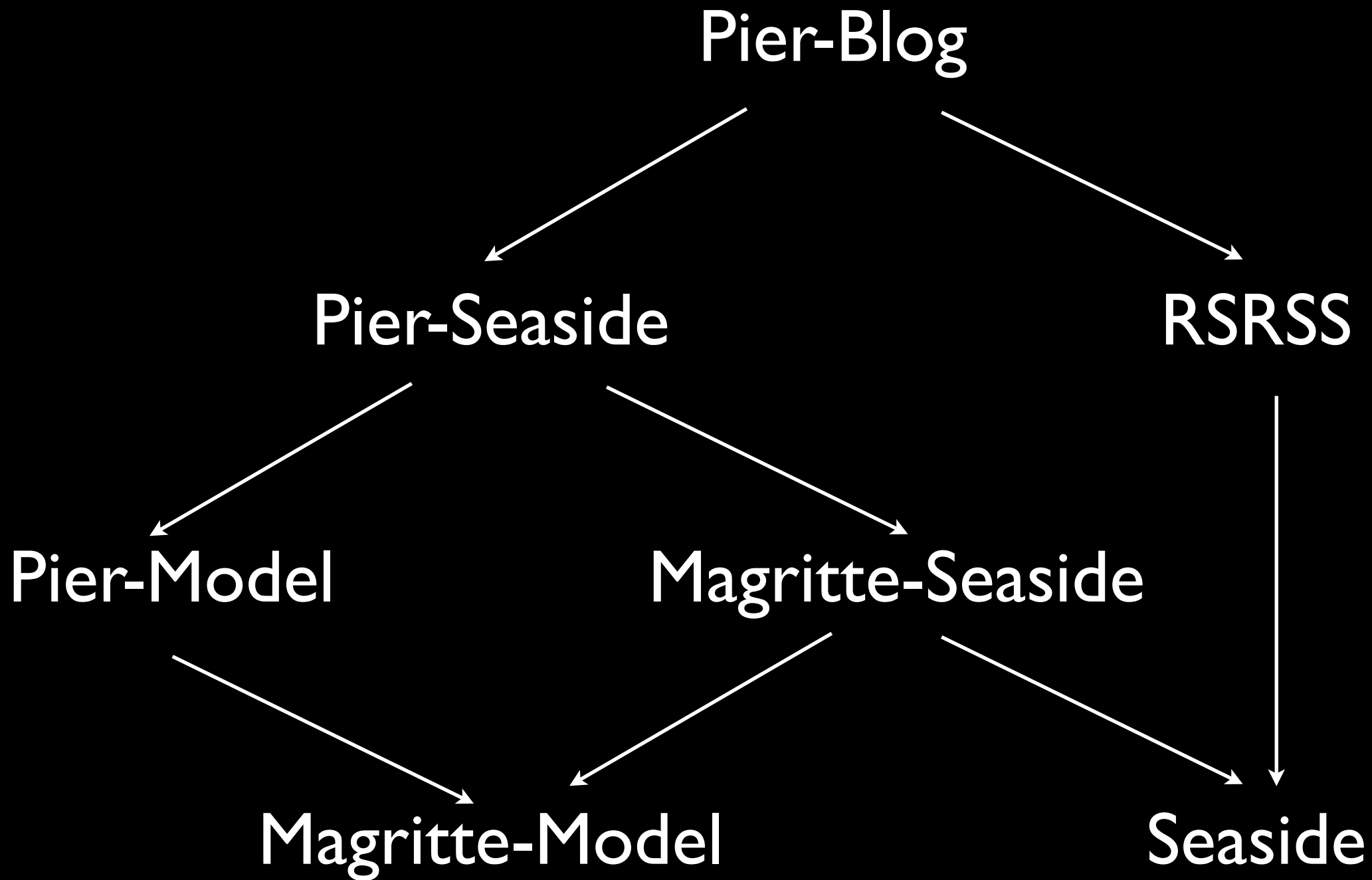
SCM

Continuous Integration

Version

Mailing Lists

Issue Tracker



# Dependencies

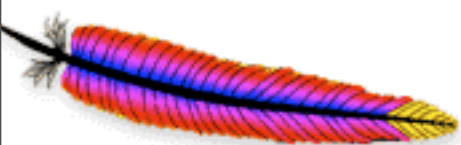
- transitive
- optional
- only for tests
- only for development
- only for deployment



<http://mvnrepository.com/>

~ 30,000 artifacts

- validate
- initialize
- generate-sources
- process-sources
- generate-resources
- process-resources
- **compile**
  - process-classes
  - generate-test-sources
  - process-test-sources
  - generate-test-resources
  - process-test-resources
  - test-compile
- **test**
- **package**
  - pre-integration-test
- **integration-test**
  - post-integration
  - verify
  - install
- **deploy**



**Apache Commons**

<http://commons.apache.org/>

# commons fileUpload

Last Published: 05 March 2008 | Version: 1.2.2-SNAPSHOT

[ApacheCon](#) | [Apache](#) | [Commons](#)

**ApacheCon  
US 2008**

**November 3-7  
New Orleans**

## Commons FileUpload

### Overview

[User guide](#)  
[Streaming API](#)  
[FAQ](#)  
[Javadoc](#)  
[Mailing lists](#)  
[Team](#)  
[Tasks](#)  
[SVN repository](#)

### Project Documentation

[Project Information](#)  
[Project Reports](#)

### Commons

[Home](#)  
[Components](#)  
[Sandbox](#)  
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### SF

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Built by:  
 **maven**

## Commons FileUpload

The Commons **FileUpload** package makes it easy to add robust, high-performance, file upload capability to your servlets and web applications.

FileUpload parses HTTP requests which conform to [RFC 1867](#), "Form-based File Upload in HTML". That is, if an HTTP request is submitted using the POST method, and with a content type of "multipart/form-data", then FileUpload can parse that request, and make the results available in a manner easily used by the caller.

## Documentation

The following documentation is available:

- [User Guide](#)
- [Streaming API](#)
- [Frequently Asked Questions](#)
- [JavaDoc API](#)
- [Project Reports](#)

You can also [browse](#) the Subversion repository.

## Downloading

### Full Releases

#### FileUpload 1.2.1 - 18 January 2008

- Download the binary and source distributions from a mirror site [here](#)

#### FileUpload 1.2 - 13 February 2007

- Download the binary and source distributions from a mirror site [here](#)

#### FileUpload 1.1.1 - 08 June 2006

- Download the binary and source distributions from a mirror site [here](#)

#### FileUpload 1.1 - 22 Dec 2005

# Reports, Reports, Reports

- Code coverage
- Code analysis (SLint<sup>3</sup>)
- Duplication
- I10n
- API compatibility

flame on!