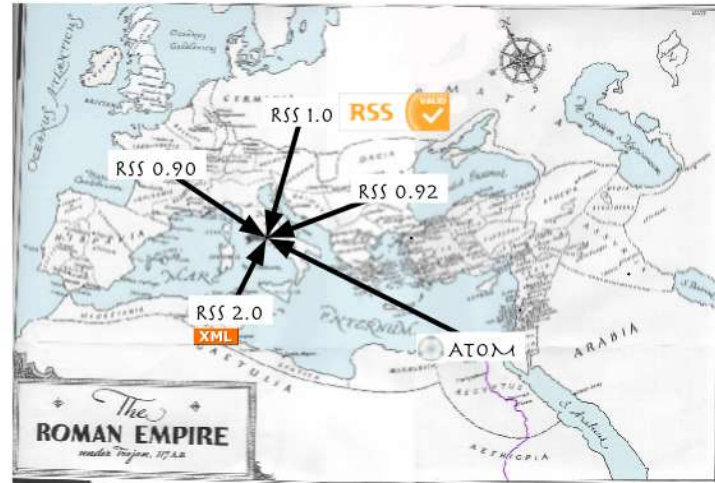


Rome RSS and Atom Java Utilities

“All feeds lead to Rome”

ALL FEEDS LEAD TO ROME



Patrick Chanezon

Software Architect

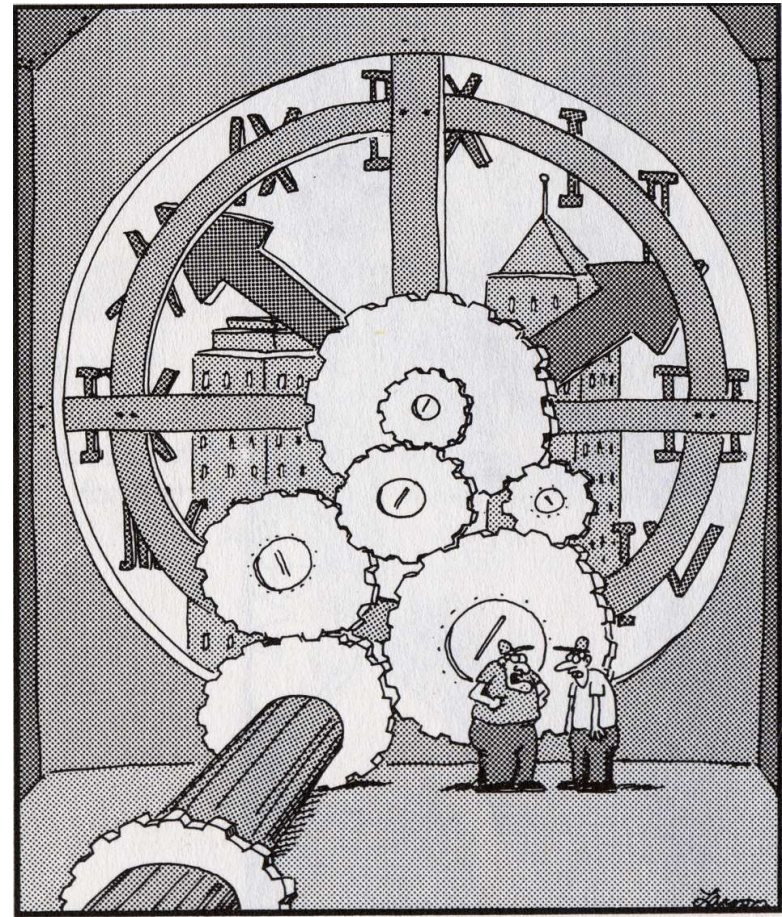
Sun Software / USG / Portal

ROMA LOCUTA EST. CAUSA FINITA EST
ROME HAS SPOKEN. THE CAUSE IS FINISHED



Rome in 5 minutes

- When
- Why
- What
- How
- Code
- Now
- Then
- Pax Romana
- More



"Hey! You don't tell me what makes 'er tick!
I know what makes 'er tick, sonny boy!"

When? Rome Genesis

- Non uno die roma aedificata est
Rome was not built in one day
- March 2004
 - Alejandro, Elaine, and P@: internal pet project including a RSS and Atom parsing library
 - Goal was for it to be reused in all Sun products
- May 2004
 - Decided better as open source
 - Raymond, “With enough eyeballs all bugs are shallow”
 - Bill Joy, “Most of the best talent in the world does not work for you”
 - java.net / business friendly apache license

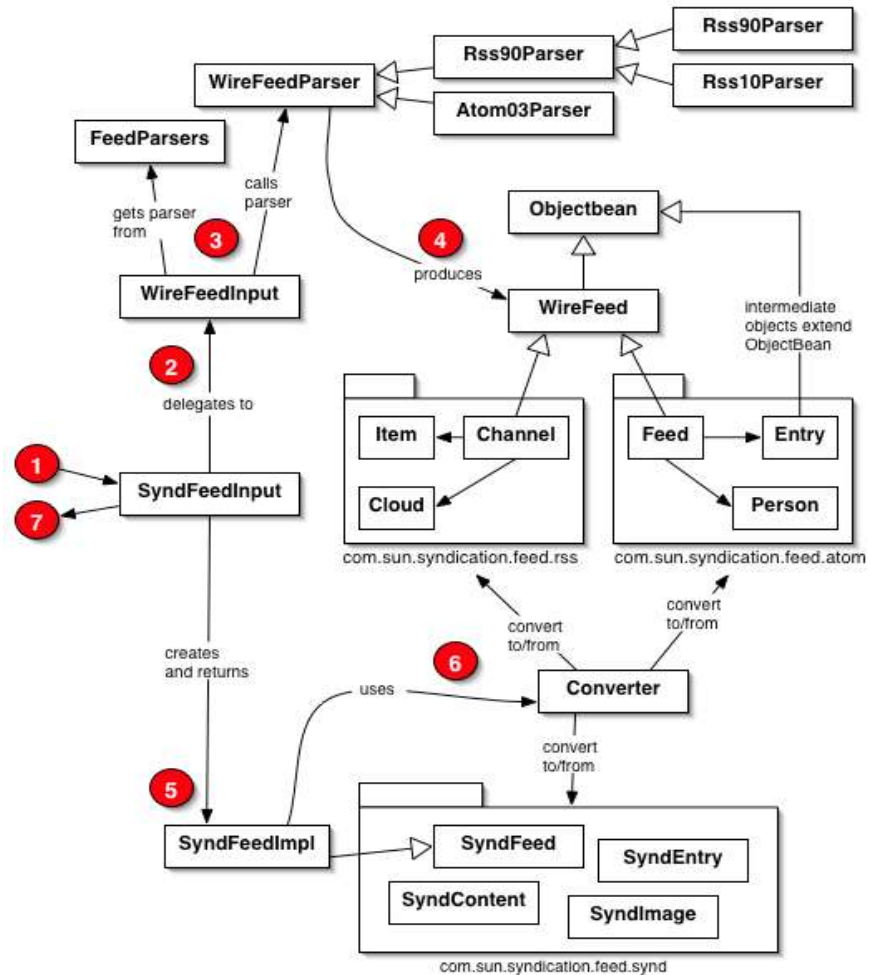
Why? ESCAPE “Syndication Hell”

- Syndication Standard war: 8 formats
 - Python users already have Mark Pilgrim's UFP
 - Abstract syndication to a common Java API
- ESCAPE
 - Easy to use: give Url, get Object
 - Simple: simple mental model
 - Complete: all versions of RSS and Atom
 - Abstract: model what's common (\cap not \cup)
 - Powerful: deal with extension modules
 - Extensible: plugin architecture

What? Rome, modules, subprojects

- Rome
 - Generic API, specific classes, converters
 - JDOM dependency
- Modules
 - Handle other optional meta data present in feeds, in a standard way: namespace it, we'll handle it:-)
- Subprojects
 - Fetcher: http (next is JMS), and xml over http – etags, encoding mess: let him do the walking!

An anatomical illustration of the human nervous system, viewed from the back. It shows the brain at the top, with a central spinal cord running down the back. Numerous peripheral nerves branch out from the spinal cord to the arms and legs. The drawing is a black and white line art, showing the complex branching structure of the nerves.



Code: conversion

```
String outputType = args[0];
URL feedUrl = new URL(args[1]);

SyndFeedInput input = new SyndFeedInput();
SyndFeed feed =
    input.build(new XmlReader(feedUrl));
feed.setFeedType(outputType);
SyndFeedOutput output = new SyndFeedOutput();
output.output(feed, new PrintWriter(System.out));
```




Now: state of Rome

- Soon Rome 0.4 ships
 - It is a beta: before was alpha
- API pretty much stabilized
- Unit tests complete enough and pass
- Subprojects: fetcher and weather module
- 9 observers, 7 developers, 3 owners
- Doc on wiki, different urls for each version

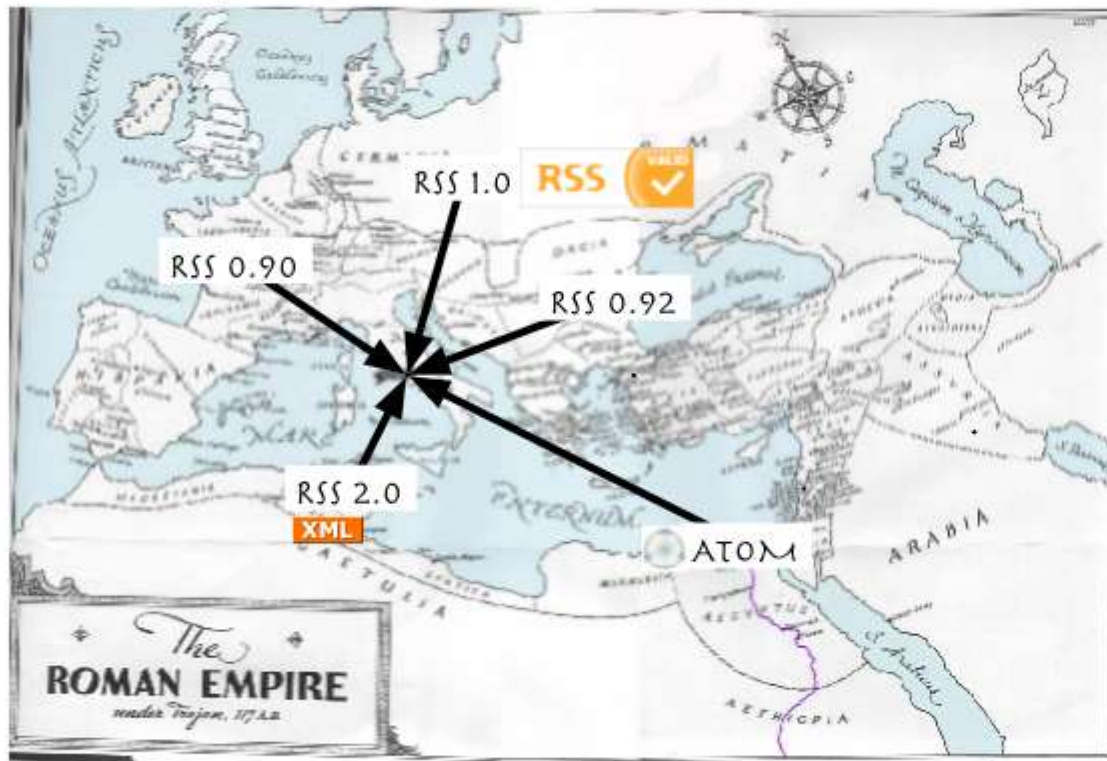
Then: Rome roadmap

- First non spec related module
 - Finish weather subproject
 - Then others: help Joe Reger create his triathlon module
- Make Rome more liberal
 - Create Danny Ayer's JSoup subproject
 - Fix broken XML
- Urbi et orbi
 - To the city (of Rome) and to the globe*
 - SnipSnap adopted it last week

Pax Romana in the feed war

Let's Nuke'em all! 

ALL FEEDS LEAD TO ROME



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More: resources

- Books, Films

- “Decline and Fall of the Roman Empire”, Edward Gibbons
- Fellini “Roma”
- “Content Syndication with RSS”, Ben Hammersley, O'Reilly

- People

- <https://rome.dev.java.net/servlets/SummarizeList?list=dev&by=author&count=21&paged=false>

- Sites:

- <https://rome.dev.java.net/>

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