

XML

RSS

Exploring Web Content Using RSS Newsfeeds

John G. Hendron
Goochland County Public Schools

<http://www.johnhendron.net/>

1

Really Simple Syndication Rich Site Summary

RSS

2

“ RSS can be understood as a web syndication protocol that is primarily used by news websites and weblogs. RSS allows a web developer to publish content on their website in a format that a computer program can easily understand and digest. This allows users to easily repackage the content on their own websites or blogs, or privately on their own computers.



”

3

News Feed Structure

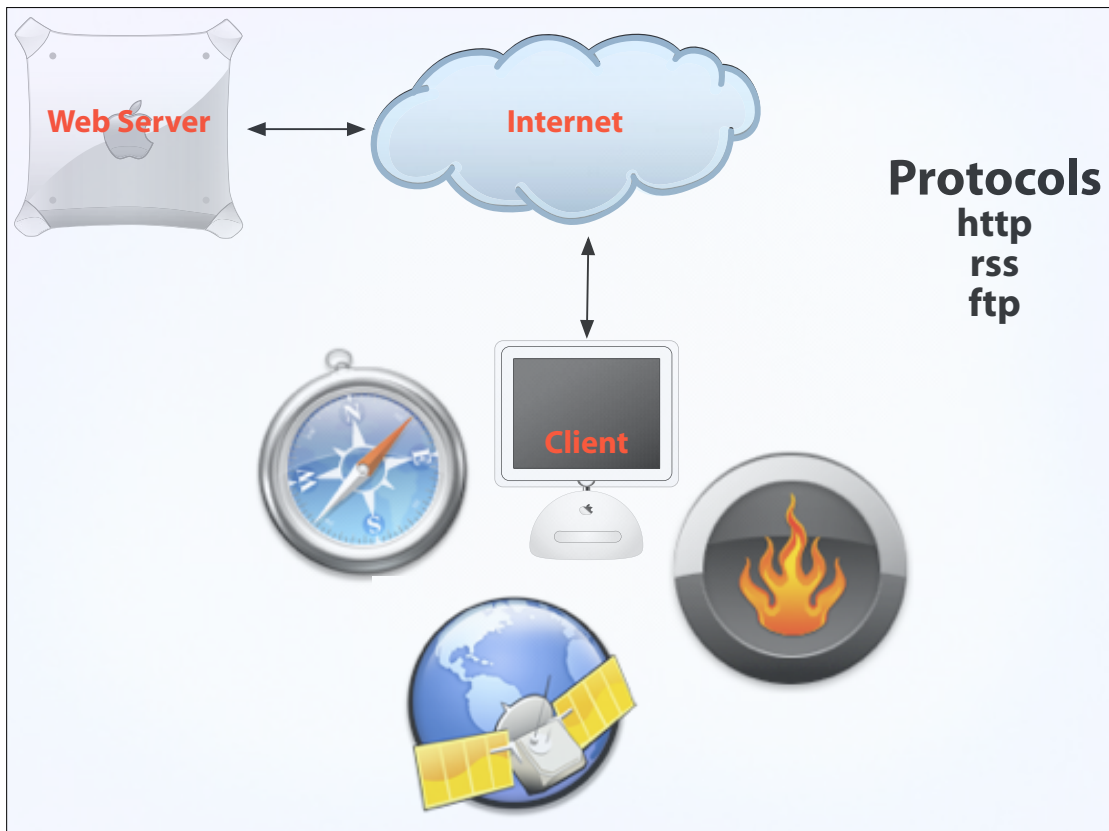
- Newsfeeds are written in XML
- RSS .9, 1.0, 2.0
- Atom
- OCS
- OPML

4

Attachments

- RSS 2.0 supports the attachment of multimedia files to your feed
- The subscription to attachment-rich feeds is called Podcasting

5



6

How will I recognize links to newsfeeds on the web?

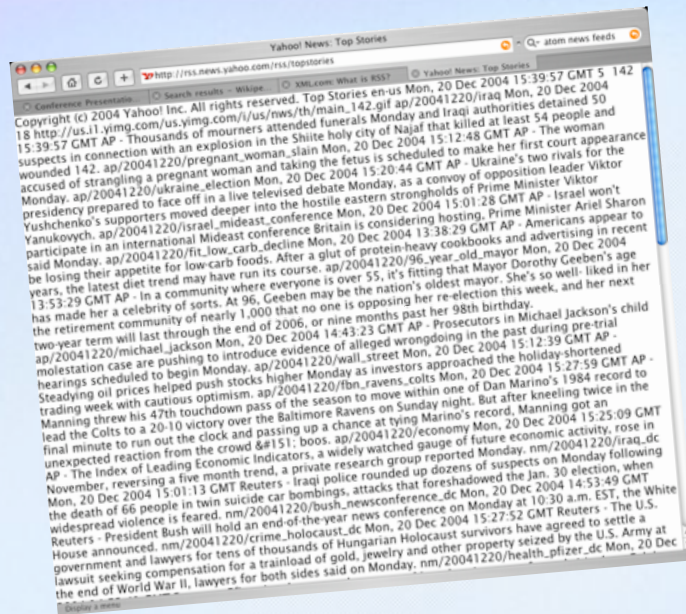
- Look for the keywords:
 - RSS
 - XML
 - Atom
- Look for logos:



7

A screenshot of a web browser displaying the "The New York Times > RSS" page. The browser's address bar shows the URL "http://www.nytimes.com/services/xml/rss/index.html". The page content includes a title "NYTimes.com RSS feeds", an introductory paragraph about RSS, and a list of RSS feeds categorized by topic. Each category has an "XML" link next to it. On the right side, there is a sidebar with a "Personalized wake up service" advertisement for Sheraton, featuring a photo of a couple and a "FREE NIGHT" offer. The browser's address bar also shows several open tabs, including "Apple (78)", "Weblogs", "News (682)", "Richmond", "John's Sites", "Searches", "ARAD", "Web Favelets", "Gooch", and "CEA".

8



What happens when I click?

9

Web Browsers Supporting RSS

- Firefox 1.0 (Mozilla.org)
- Safari 2.0 (Apple, OS X 10.4)

10

News Aggregators

Specific “reader” applications that pull-in and display newsfeeds

11

News Aggregators

- OS X: NetNewsWire
- Windows: SharpReader
- Linux: Straw
- Web: Bloglines

Find more:

<http://blogspace.com/rss/readers>

[http://dir.yahoo.com/Computers_and_Internet/Data_Formats/
XML__eXtensible_Markup_Language_/RSS/News_Aggregators/](http://dir.yahoo.com/Computers_and_Internet/Data_Formats/XML__eXtensible_Markup_Language_/RSS/News_Aggregators/)

12

Demonstration

- NetNewsWire for OS X
- Ranchero software
- also available: a free "lite" version

13

Demonstration

- Live Bookmarks in Firefox
- RSS in Safari 2.0



14

Benefits of Using RSS

- Quick access to breaking news and publications
- Sift through, and search-through material quickly
- Get to the material that matters fast

15

Links of Interest

- <http://www.aaronsw.com/>
- <http://www.xml.com/pub/a/2002/12/18/dive-into-xml.html>
- <http://www.syndic8.com/>
- <http://www.feedster.com/>

16

Publishing RSS Feeds

17

Weblog Tools with RSS

- Blogger.com
- WordPress
- BlogXon
- Movable Type and TypePad
- Tiger Server and Blojsom

18

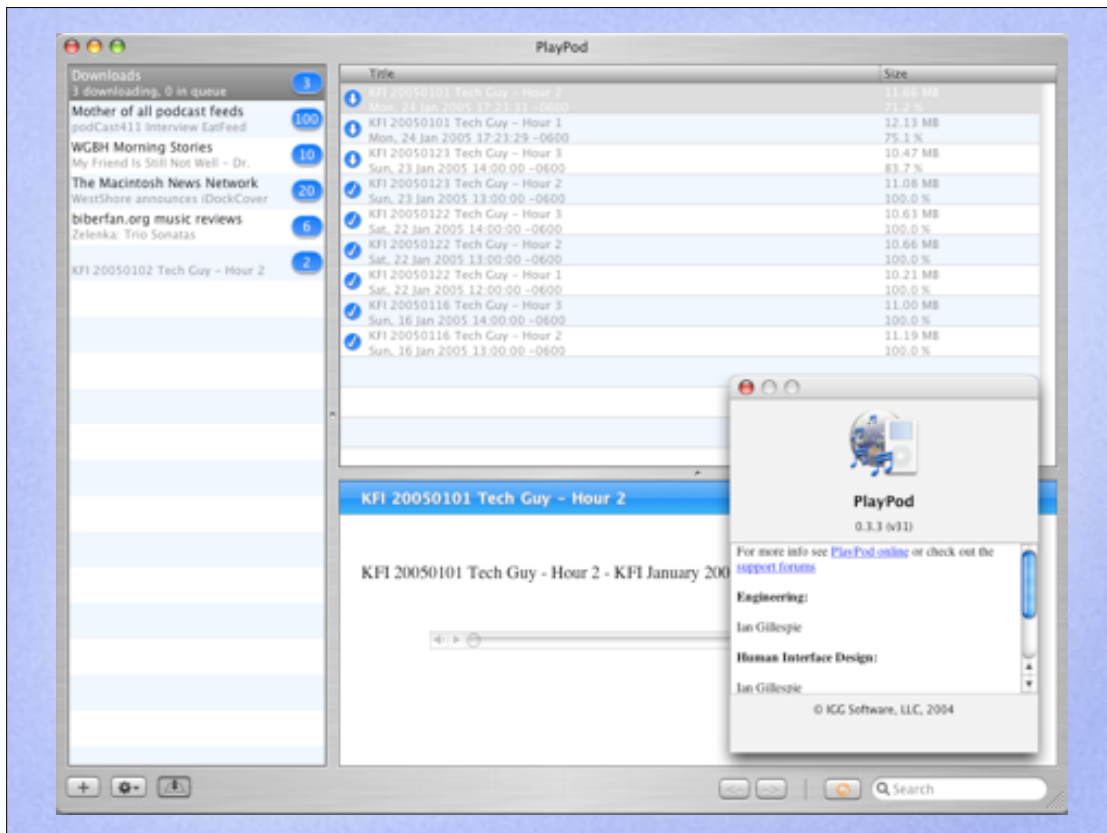
Why publish via RSS?

- You'll benefit visitors to your website and keep them up-to-date
- <http://www.mnot.net/rss/tutorial/>
- <http://www.feedburner.com/fb/a/home>
- <http://help.blogger.com/bin/answer.py?answer=697&topic=36>

19

Podcasting

20



21

Podcasting Links

- <http://www.ipodder.org/>
- <http://www.podcasting.net/>
- <http://www.podcastalley.com/>
- <http://www.apple.com/itunes>
- <http://www.evhead.com/2005/02/how-odeo-happened.asp>
- <http://www.apple.com/finalcutstudio/soundtrackpro/>

22



23



biberfan.org/reviews

24

Using RSS and Weblogs in Education

25

We Are Publishers

- *Administrators, Teachers, and students become publishers of information-specific to each group's job*
- *collaboration is fostered through a virtual community*

26



www.ncqtalk.com

27

Plans in Goochland



28

2 installations of Tiger Server

- Blojsom Open-source Weblog System
- Managed through open directory
- Student server-in house (intranet), teacher server-same as web server

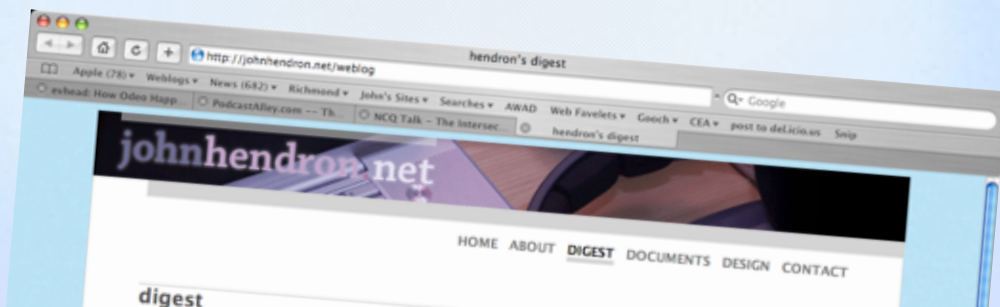
29

Questions?

John Hendron

Instructional Technologist -
Goochland County Public Schools

johnhendron@gmail.com | <http://johnhendron.net>



30