

# Web 2.0 with Cocoon 2.2

ApacheCon EU 2007

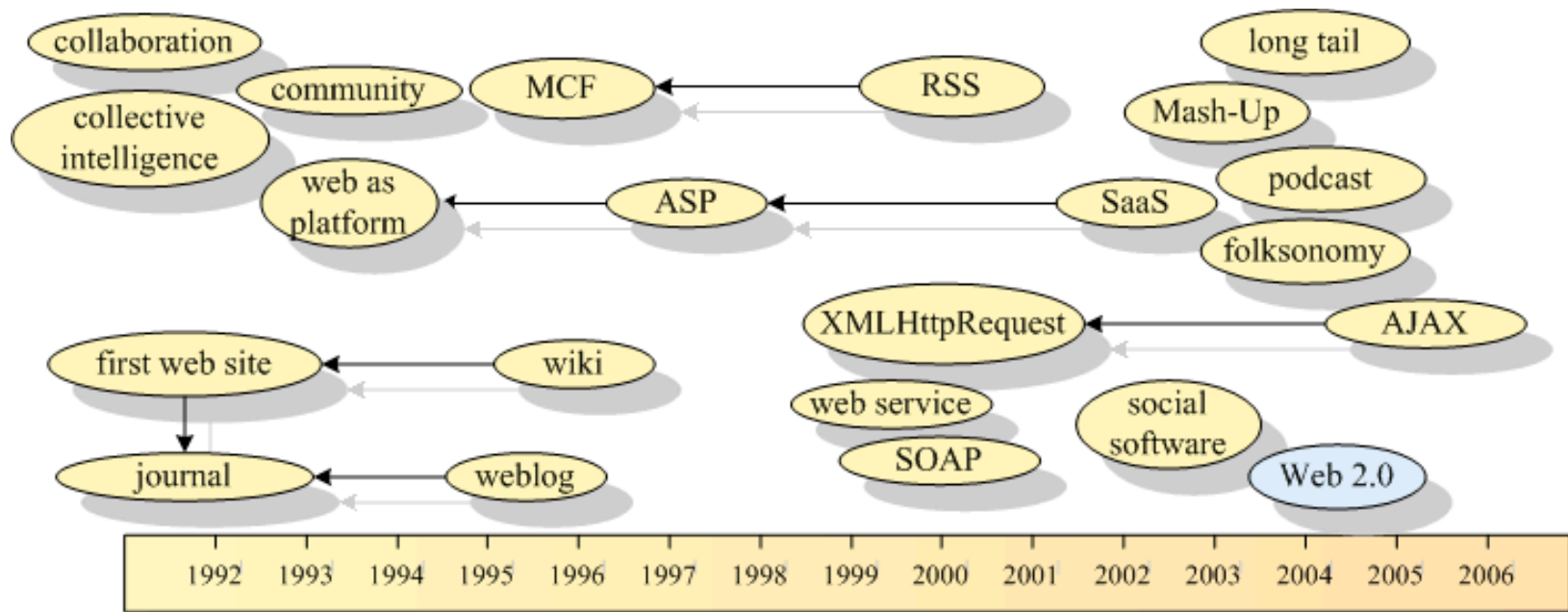


**source**sense****  
making sense of open source

# What is Web 2.0?



**sourcesense**



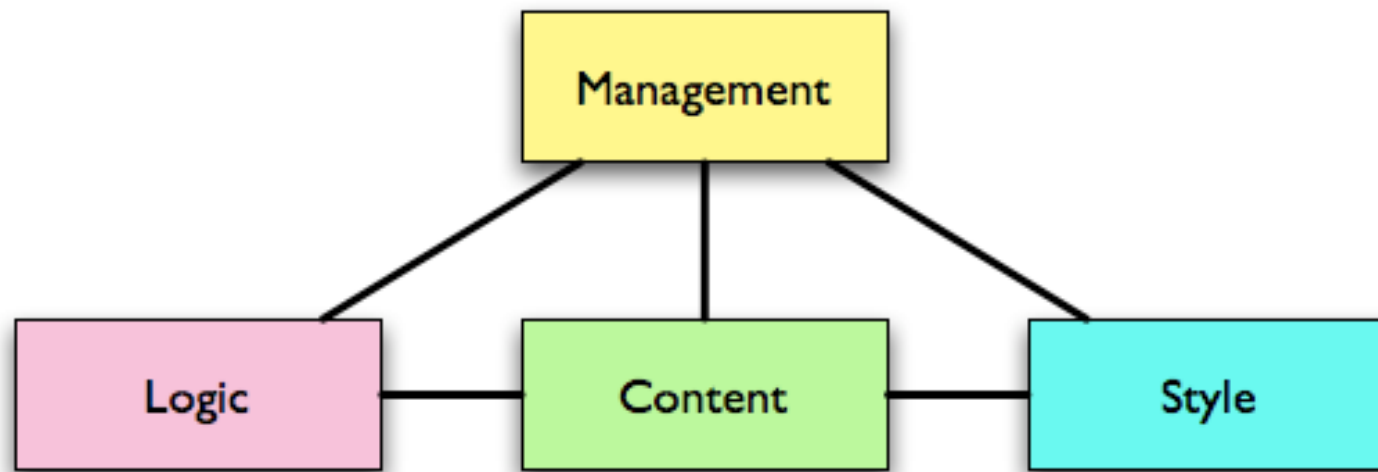
<http://en.wikipedia.org/wiki/Image:VWeb20buzz.png>



# What is Cocoon?



**source**sense





# On Pipelines...

- Task: find the total number of unique hosts visiting the home page of your website



# On Pipelines...

Windows solution:

```
#include <stdlib.h>
```

...

# On Pipelines...

Windows solution:

```
#include <stdlib.h>
```

...

Unix solution:

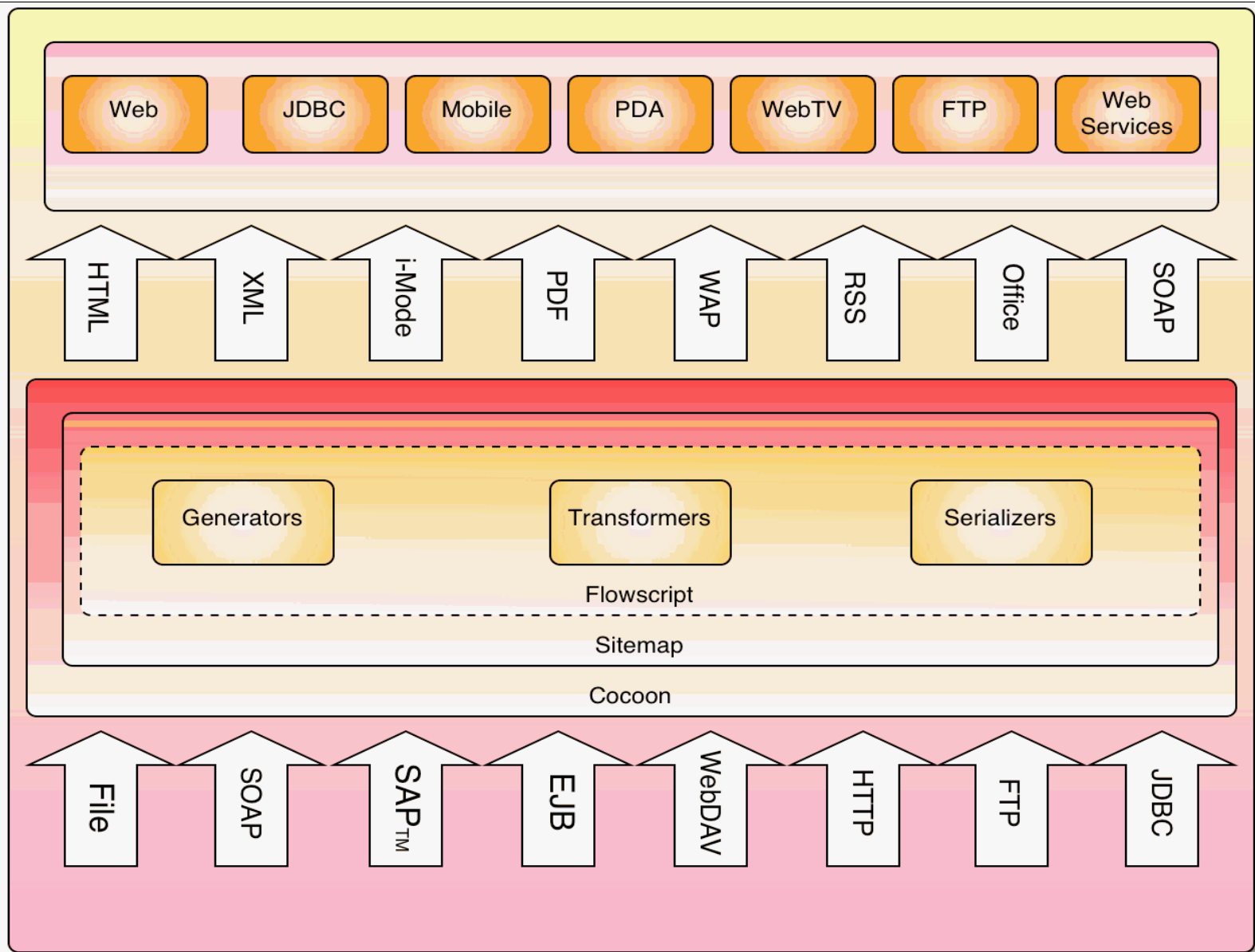
```
grep index.html access.log | awk '{print $2 }' | sort | uniq | wc -l
```



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# On Pipelines...

Pipelines: specialised components glued together







Cocoon 2.2

Web 2.0

# A Web 2.0 application

- Use of other resources via REST
- Web Services
- Rich client interface

# A Cocoon 2.2 application



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# Cocoon archetypes



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archetype | 'ärk(i) . tīp | | . ɑrk(ə) ' taɪp | | ,ɑ:kɪtʌɪp |

noun

a very typical example of a certain person or thing : *the book is a perfect archetype of the genre.* See note at **model** .



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```
mvn archetype:create
```

```
-DarchetypeGroupId=org.apache.cocoon
```

```
-DarchetypeArtifactId=cocoon-22-archetype-block
```

```
-DarchetypeVersion=1.0.0-RC1-SNAPSHOT
```

```
-DgroupId=com.mycompany
```

```
-DartifactId=myBlock1
```



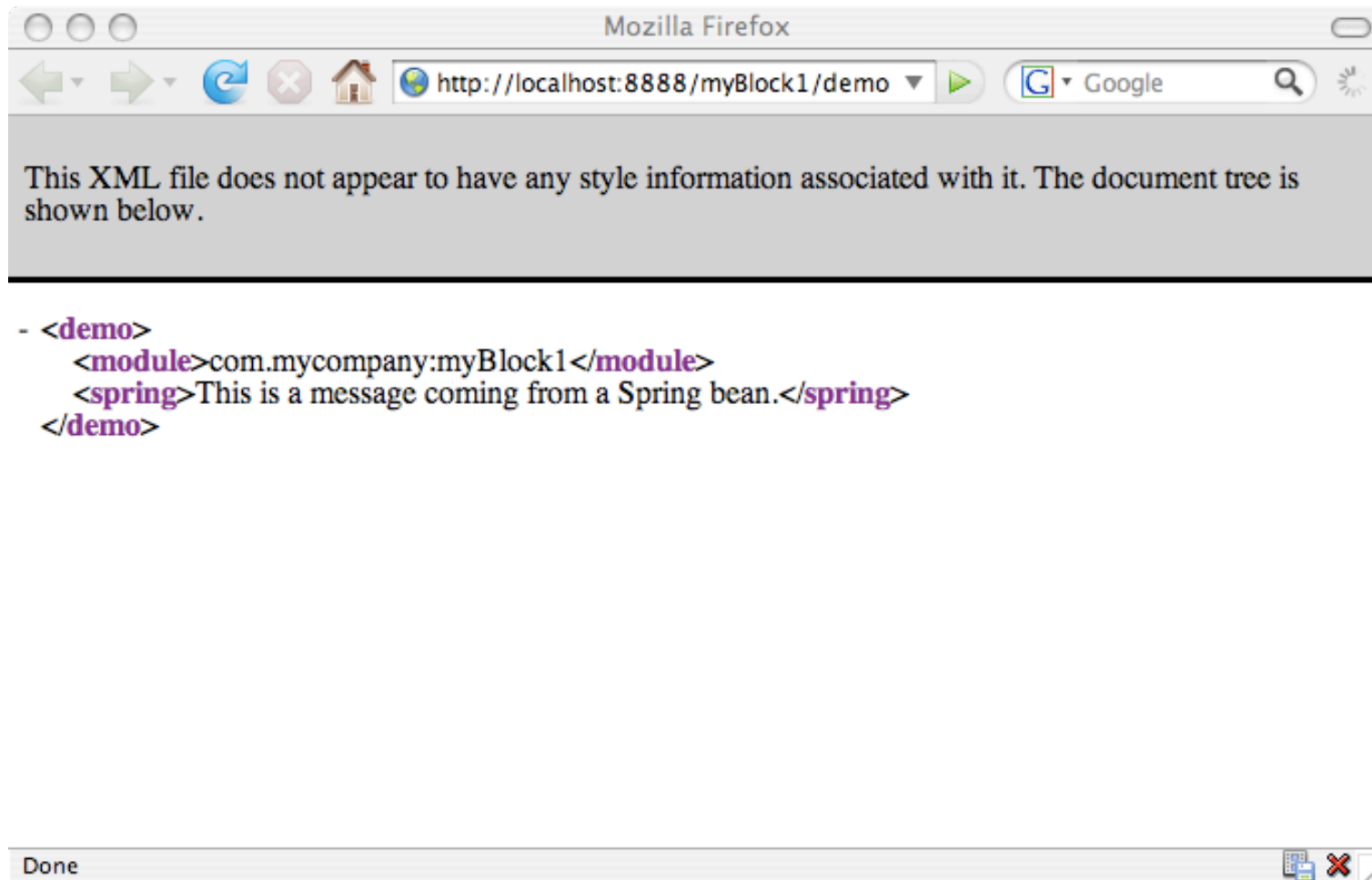
source**sense**



```
mvn cocoon-rc1:webapp jetty:run
```







# REST





# The REST example

- Use Flickr API to display content through Cocoon
- <http://www.flickr.com/services/api/request.rest.html>
- <http://www.flickr.com/services/rest/?method=flickr.test.echo&name=value>

```
<map:match pattern="flickr">  
  <map:generate src="....."/>  
  <map:serialize type="xml"/>  
</map:match>
```



```
<map:match pattern="flickr">  
  <map:generate src="....."/>  
  <map:serialize type="xml"/>  
</map:match>
```

[http://www.flickr.com/services/rest/?  
method=flickr.people.getPublicPhotos  
&api\\_key=1234  
&user\\_id=abcd](http://www.flickr.com/services/rest/?method=flickr.people.getPublicPhotos&api_key=1234&user_id=abcd)

# Web Services



# The WS example



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# The Rich GUI

# The AJAX example

# But there's more...

- Authentication
- Syndication
- Aggregation
- Multi channel





# Thank you