

The *lesser known*  
Apple Frameworks

PubSub

# whoami

Phillip

- student
- developer

(at the most beautiful place  
to work in the world!)



... and this is Cologne

# how did I discover the *Publication Subscription Framework?*

it's official  
name!




RWTH's e-Learning platform

... has a mechanism for retrieving  
updates (documents, slides, ...) via **RSS** ...

... but nobody uses it.

this is a first hint of what  
PubSub does!



L2PClient (for iOS and OS X **and** Linux *and* Windoze)

# what does PubSub do?

„Publication Subscription is a technology that offers developers a way to subscribe to web feeds from their applications.“  
- Publication Subscription Programming Guide

## web feeds

RSS 0.9  
RSS 1.0  
RSS 2.0



Atom Syndication Format

basically all xml

two ways

# how does PubSub work?

## 1. Use PubSub as *Framework*

➡ **Manages Subscriptions globally**

(asks for password automatically,  
uses system-wide cookies, ...)

## 2. Use PubSub for Connecting and Parsing XML

# code...

```
//setting up the pubsub framework with subscription
PSCClient *client = [PSCClient applicationClient];
NSURL *url = [NSURL URLWithString:
               @"http://www.apple.com/main/rss/hotnews/hotnews.rss"];
PSFeed *feed = [client addFeedWithURL:url];

//accessing the entries
for(PSEntry* entry in [feed entries]) {
    NSLog(@"Entry Title:%@", entry.title);
    NSLog(@"Entry Authors:%@", entry.authorsForDisplay);
    NSLog(@"Entry Content:%@", entry.content.plainTextString);
}
```

# code...

```
//setting up the pubsub framework with subscription
PSClient *client = [PSClient applicationClient];
NSURL *url = [NSURL URLWithString:
               @"http://www.apple.com/main/rss/hotnews/hotnews.rss"];
PSFeed *feed = [client addFeedWithURL:url];
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```
//accessing the entries
for(PSEntry* entry in [feed entries]) {
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}
```

PSFeedEntriesChangedNotification is issued whenever - well - a feed has new/changed entries

demo



# what else can PubSub do?

atom extensions — additional xml namespaces

downloading enclosures

...



*Try it!*

# *thank you, license, sources*

find the demo project at [cocoaheads.de](http://cocoaheads.de)!

<http://cocoasamurai.blogspot.de/2010/02/pubsub-framework-using-rss-feeds-in.html>

<https://developer.apple.com/library/mac/#documentation/InternetWeb/Conceptual/PubSub/Introduction/Introduction.html>



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but wait...

*[github.com/phikes/](https://github.com/phikes/)*