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.

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
how does PubSub work?

two ways

1. Use PubSub as Framework
   - Manages Subscriptions globally
     - (asks for password automatically, uses system-wide cookies, ...)

2. Use PubSub for Connecting and Parsing XML
//setting up the pubsub framework with subscription
PSClient *client = [PSClient applicationClient];
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);
}
//setting up the pubsub framework with subscription
PSClient *client = [PSClient applicationClient];
NSURL *url = [NSURL URLWithString:
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);
}

PSFeedEntriesChangedNotification is issued whenever - well - a feed has new/changed entries
demo
what else can PubSub do?

atom extensions

downloading enclosures

... Try it!

additional xml namespaces
thank you, license, sources

find the demo project at cocoaheds.de!


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but wait...

github.com/phikes/