

Rich Music Players

Showcase

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Introduction

A case study:

The music players ONE Agency
made for Aristo Music

A look behind the scenes



Who are we?

Koen Vanderstraeten

Java developer @ Aristo Music
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Flash 'n Flex developer @ ONE Agency
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The Mind Behind The Music

Aristo Music's Goal

- Provide a world in which everyone, at any time, anywhere and in whatever situation can create the most suitable musical atmosphere!

Why is it unique?

- Dynamic lists
- Guide the user
- Online

Is it science?

- (semi-)automatically assigned metadata
- Research
 - KUL: Hypermedia & Databases
 - KUL: Experimentele Psychologie
 - UGent



Demo

Web radio's

(Humo Radio, Kreatos, TMF, Mars, KBC radio, My Pocket Radio, Overtoom, ...)

Tunify-player (professional)

simplified dj tool

→ all players are built on the same webservice



Tunify under the hood

Web application

Flex 3

webservices (SOAP) – Java - Hibernate

streaming music from Rambla (Wowza Media Server)

Re-skinnable

98% CSS (1% Flex component kit for Flash CS3)

1% hacks (datagrid header, gradient bg, pattern bg)



More about the music scheduler

Cron daemon running in the Flash client (cfr. UNIX)

Cron string to define recurrence pattern

“minute hour date month weekday”

ex. “0 10 * 7,8 1-5” (www.novio.be/downloads/cron4as/)

Predictor class (to find occurrences)

Agenda task:

cron pattern

+ duration, lifetime, title, data fields



Common foundation webradios

MediaPlayer library on Cairngorm

- Structure of a web radio player,
with configurable implementation (@ author time)

Creating new player = child's play (now)

- Generic player to be used as a starting point



What about the future?

Adobe make some noise ;-)

Sound output to different devices?

Compute spectrum for streaming sound?

Advertising!

Usability improvements

Social content? Offline too?

Online payments or subscriptions?

...



Thank you !

