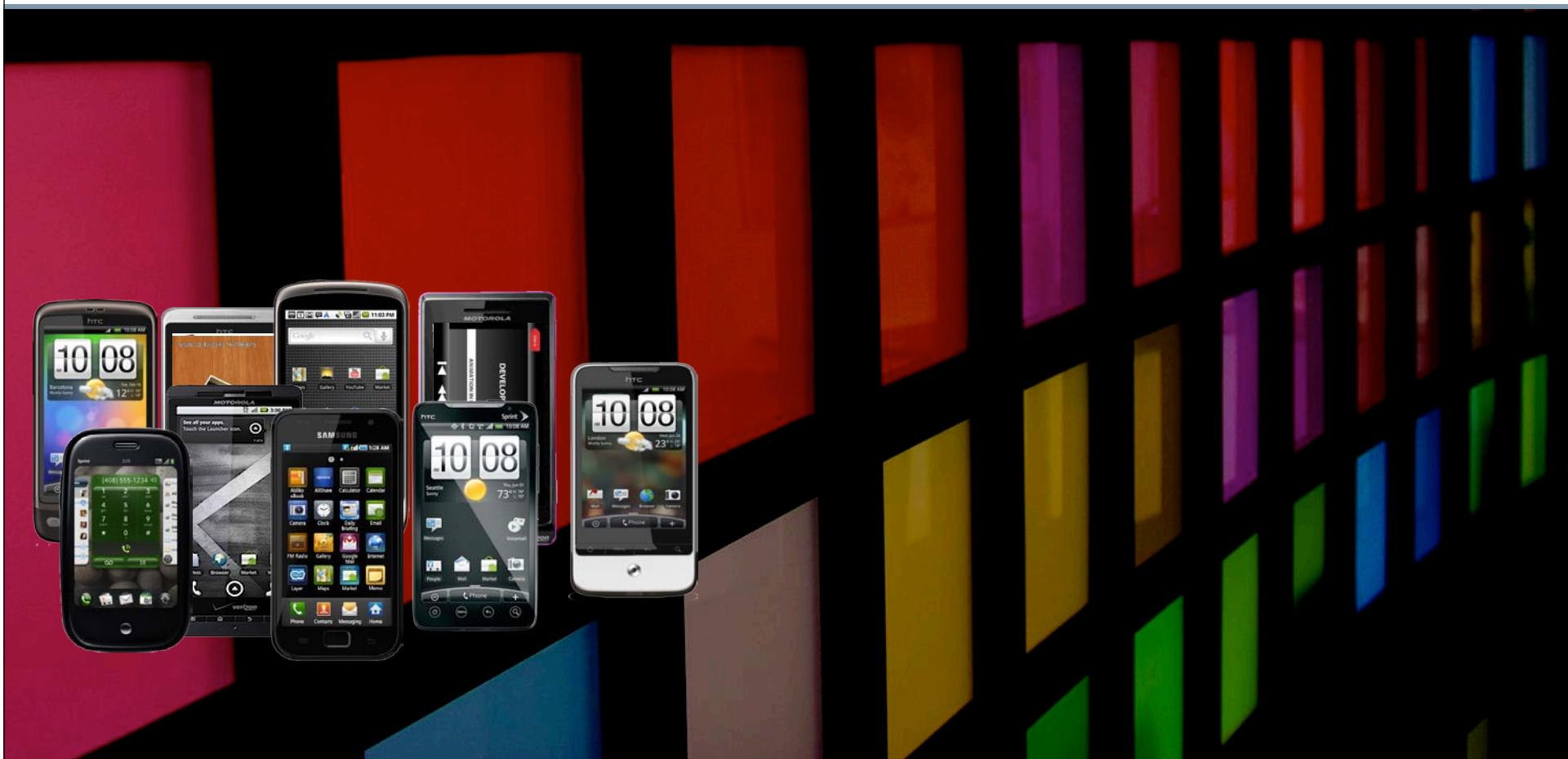




Applications mobiles avec Flex et PHP

Michaël CHAIZE, Platform Evangelist- @mchaize



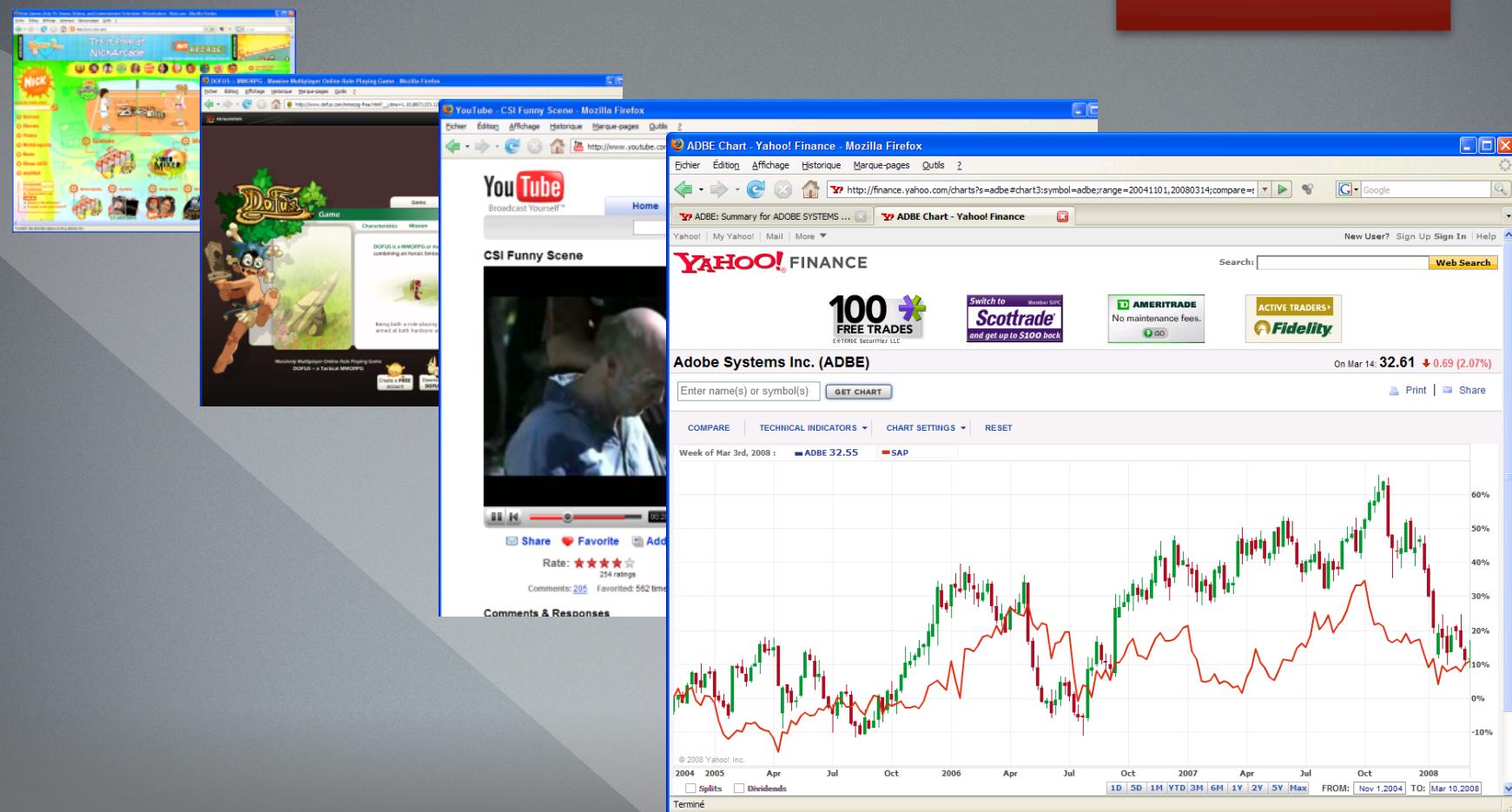


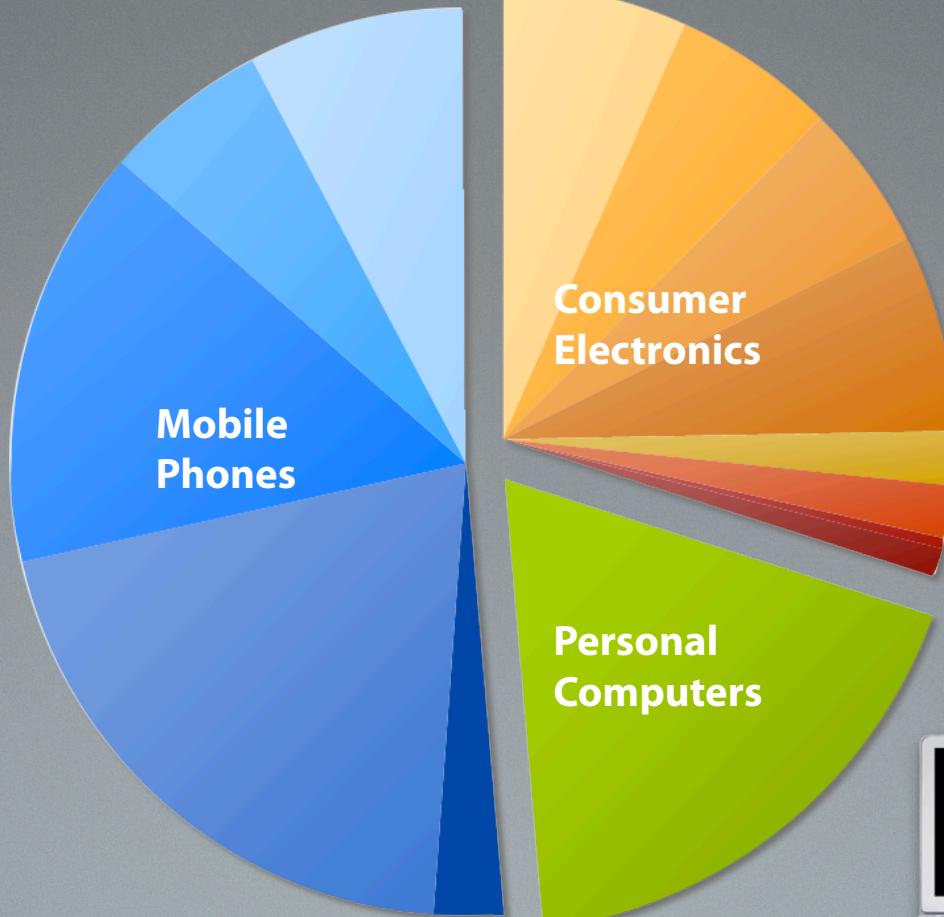
A screenshot of a web browser displaying the RIAgora.com website. The page features a header with the RIAgora logo and Adobe Flash Platform icons. Below the header, there's a 'FEATURED POSTS' section with images of a smartphone, an HTML5 icon, and a Flash icon, along with the text 'FLASH PERFORMANCES ON MOBILE'. To the right of this is a sidebar with a 'POPULAR' posts list, which includes 'Flash performances on mobile', 'eBanking experience', 'Flex and Multi-touch', 'My first dashboard', and 'Flex for lazy developers'. At the bottom left, there are sections for 'MOODS, TUTORIALS, VIDEOS' (with 'MY FIRST DASHBOARD') and 'TUTORIALS, VIDEOS' (with 'FLEX AND MULTI-TOUCH'). On the right side, there's a 'WHO AM I?' box containing a bio about Michael Chaize and a 'MY TWEETS' box.

RIAgora.com



Flash sur un
mobile ?





Open Screen Project

Partenaires technologiques



Diffuseurs de contenu



Flash Player 10.1



palm webOS™

BlackBerry™

Windows Mobile®

symbian

Google TV



Mac OS X Snow Leopard

Flash Player 10.1



Adobe AIR 2.5 = applications natives



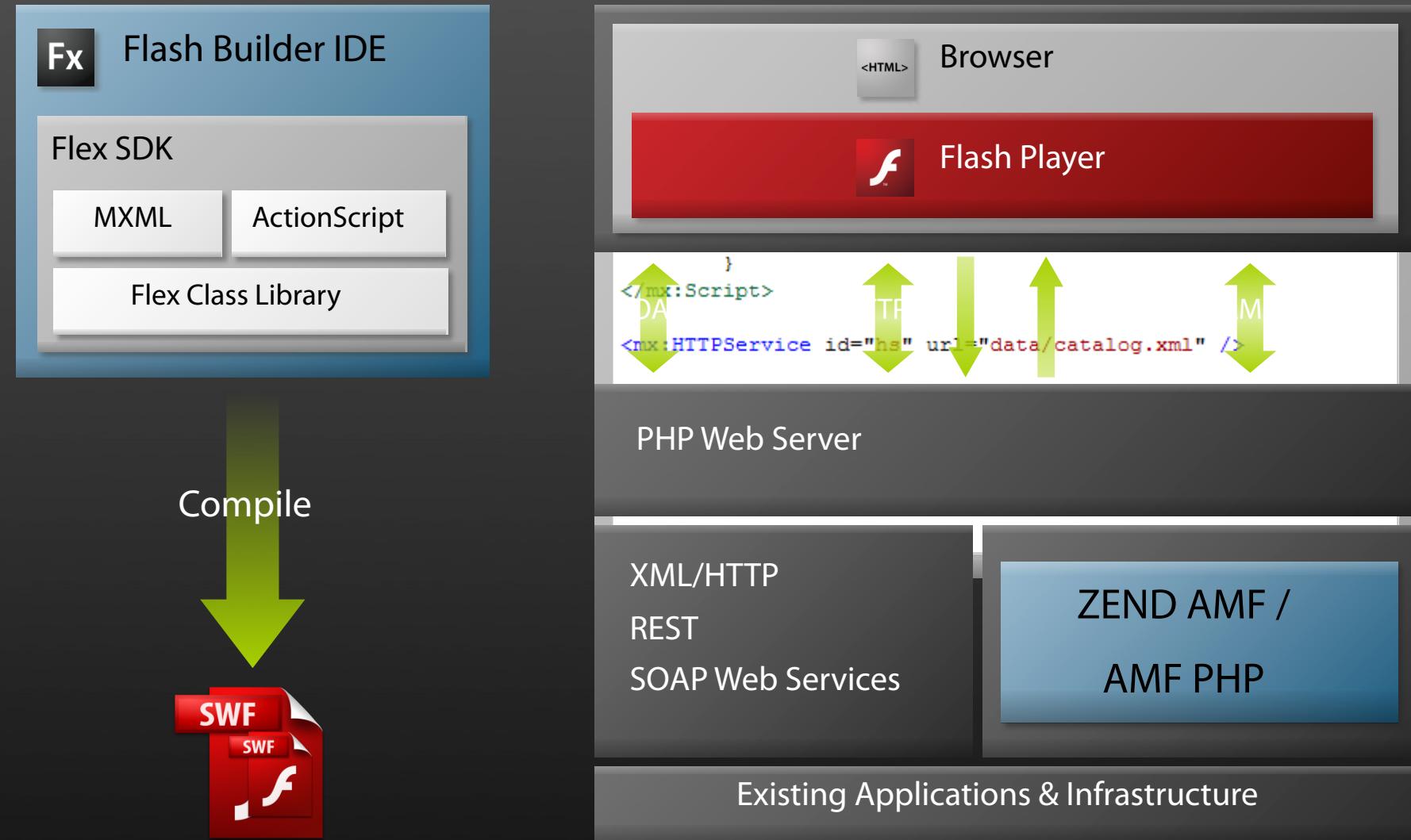
Adobe AIR 2.5





Flex et PHP ?

Flex et PHP... la base





XML < AMF



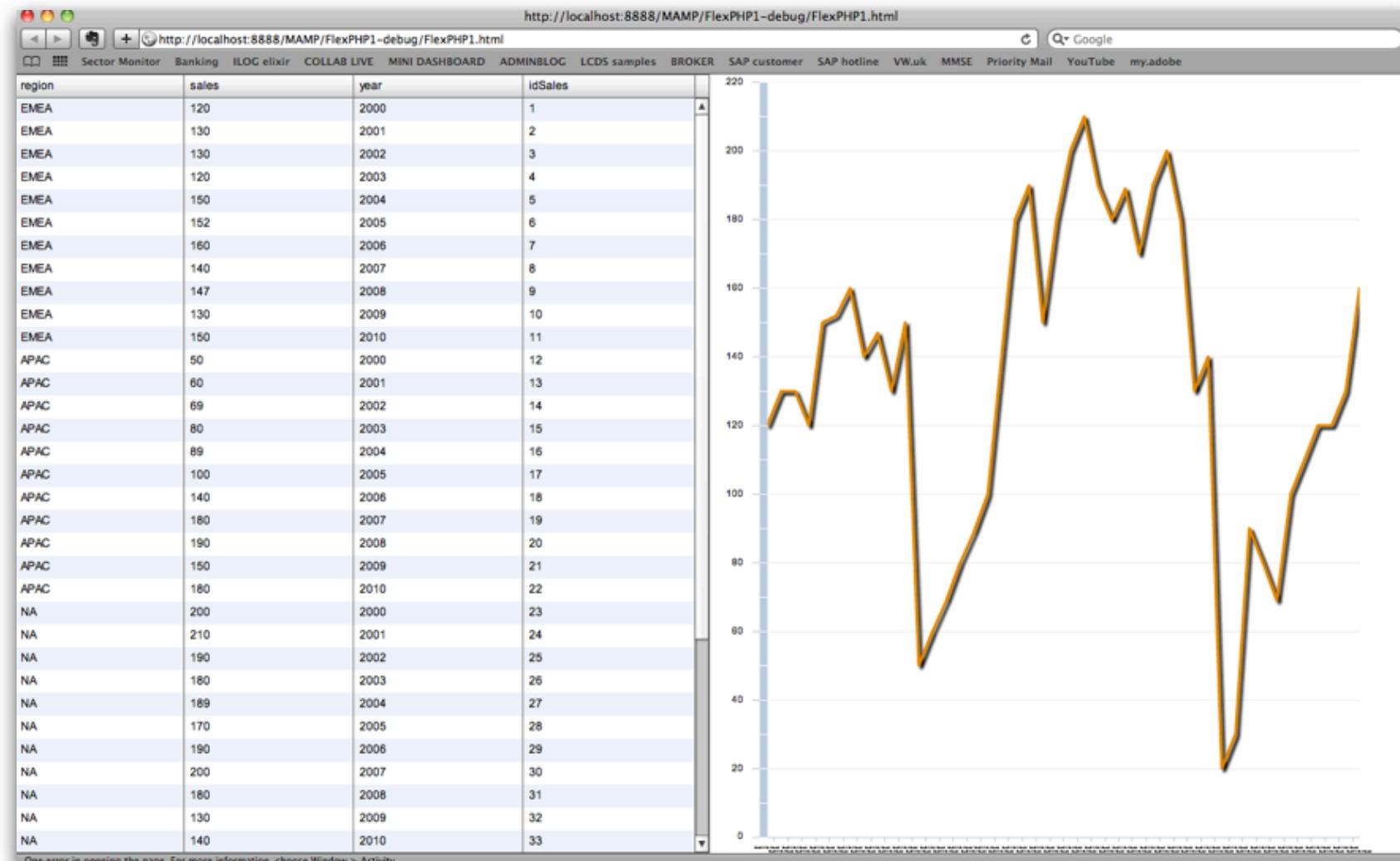
Published in December 2007

1.1Mo

5000 lignes ?

29Ko

Live coding Flex & PHP





API sur mobile ?

AIR 2.5 sur téléphones mobiles

- Flash Player 10.1 est embarqué, plus SQLite
- Les nouvelles APIs:
 - Multi-touch & gestures
 - Geolocation
 - cut/copy/paste
 - tel:, mailto:, maps:, video:
 - Camera
 - Microphone
 - StageWebView
 - Device Debugger
 - cacheAsBitmapMatrix



Accelerometer

```
import flash.sensors.Accelerometer;
import flash.events.AccelerometerEvent;

if (Accelerometer.isSupported)
{
    var accel:Accelerometer = new Accelerometer();
    accel.addEventListener(AccelerometerEvent.UPDATE, updateHandler);
}

function updateHandler(e:AccelerometerEvent):void
{
    e.accelerationX;
    e.accelerationY;
    e.accelerationZ;
}
```

Gestures

```
import flash.events.TransformGestureEvent;

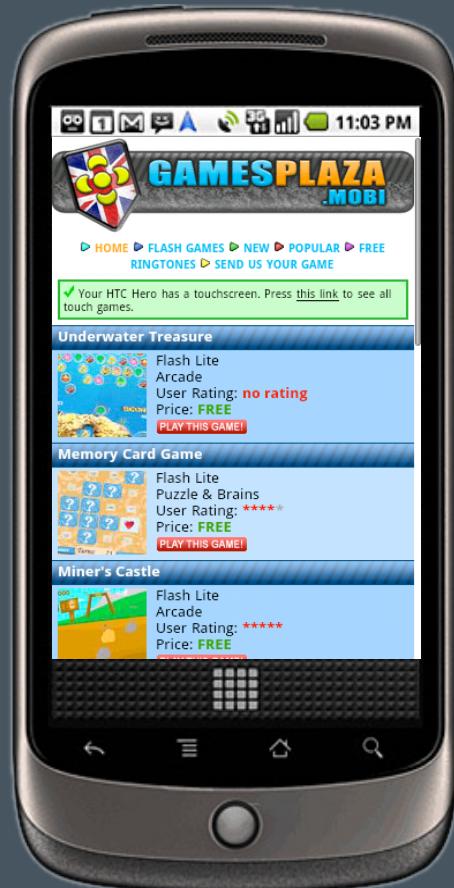
cell.addEventListener(TransformGestureEvent.GESTURE_ZOOM, onZoom);
function onZoom(e:TransformGestureEvent):void
{
    cell.scaleX *= e.scaleX;
    cell.scaleY = cell.scaleX;
}
cell.addEventListener(TransformGestureEvent.GESTURE_ROTATE, onRotate);

function onRotate(e:TransformGestureEvent):void
{
    cell.rotation += e.rotation;
}
```

Geolocation

```
import flash.sensors.Geolocation;  
  
var geo:Geolocation;  
if (Geolocation.isSupported)  
{  
    geo = new Geolocation();  
    geo.addEventListener(GeolocationEvent.UPDATE, updateHandler);  
    geo.setRequestedUpdateInterval(10000);  
}  
  
function updateHandler(e:GeolocationEvent):void  
{  
    e.accelerationX;  
    e.accelerationY;  
    e.accelerationZ;  
}
```

DU FUN !





APPLI sur mobile ?



ADOBE FLEX "HERO"

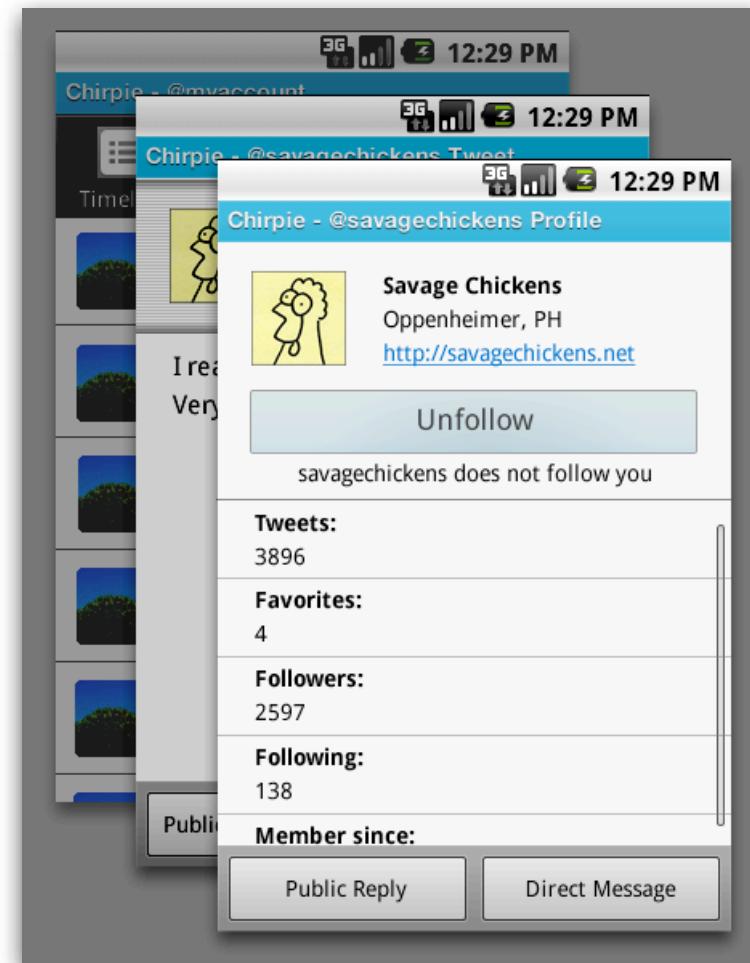
Hero et les applications mobiles

Mobile Application

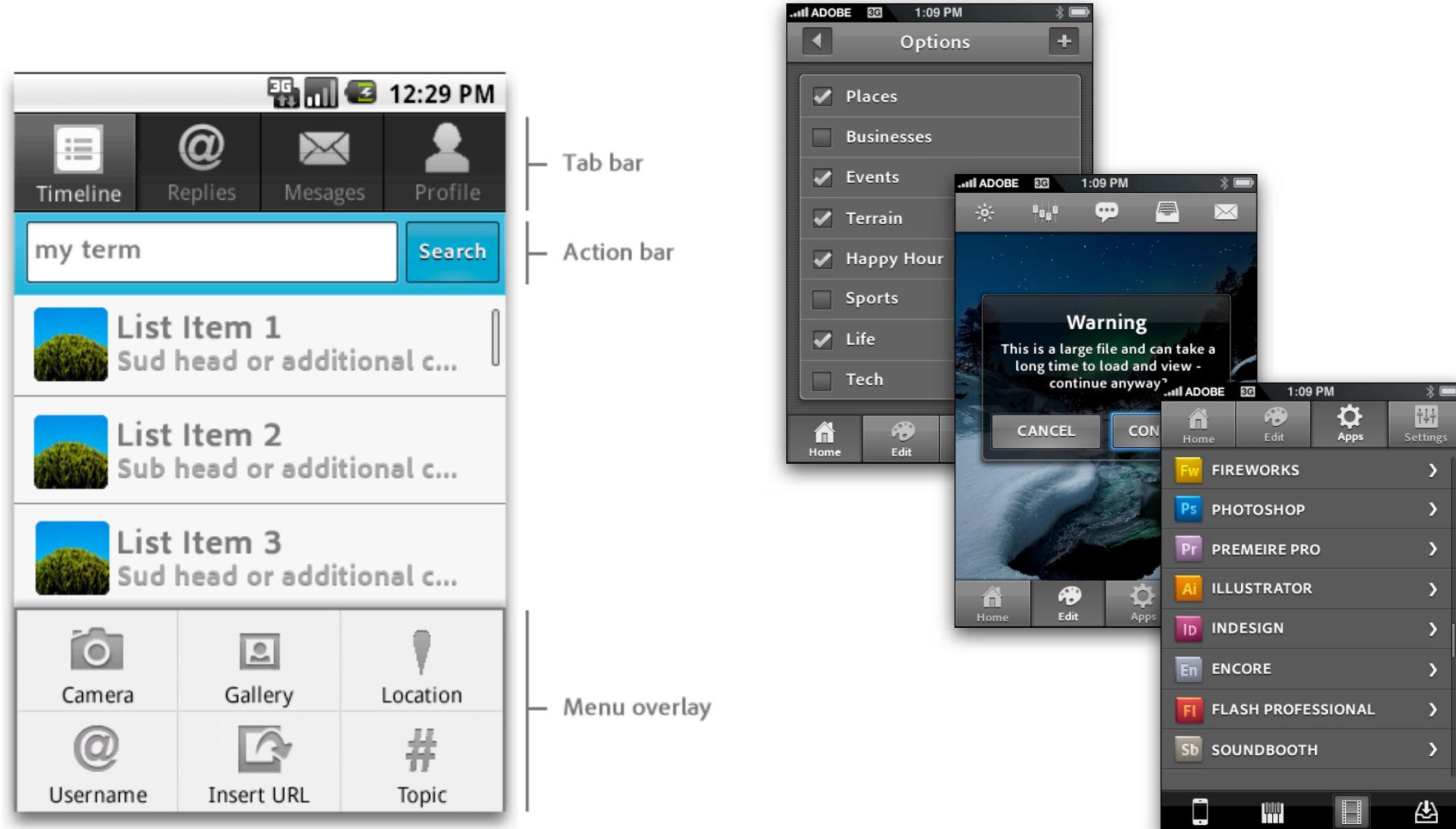
- Expose les composants classiques sur mobile
- Gestion automatique de l'orientation, du retour, des boutons menu et recherche
- Création et gestion d'un système simple de persistance de la donnée pour la stocker et la récupérer à la demande
- Skin de base pour applications mobiles

View et ViewNavigator

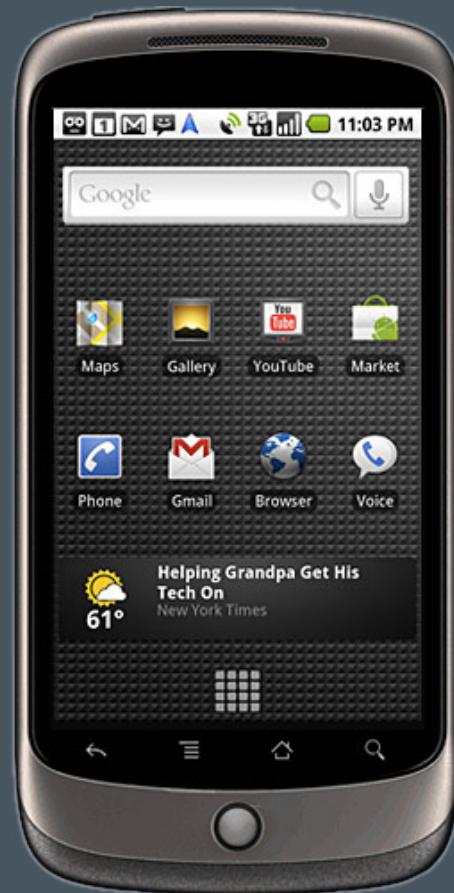
- Pour grouper dynamiquement et afficher du contenu
- Vous pouvez naviguer arbitrairement d'une vue à l'autre
- Passage de données d'une vue à l'autre
- Politiques de destruction accessibles pour gérer la mémoire
- Gestion d'une barre d'action en fonction des vues



Hero et les applications mobiles



DU PRO !



Flash Platform - Une plateforme complète pour tous les écrans

Applications, Content and Video



Tools to Design and Develop



Adobe® Flash® CS4
Professional



Adobe® Flash®
Catalyst™



Adobe® Flash®
Builder™

Framework



Adobe® Flex®

Runtimes



Adobe® AIR®



Adobe® Flash® Player

Services



Adobe Flash
Platform
Services

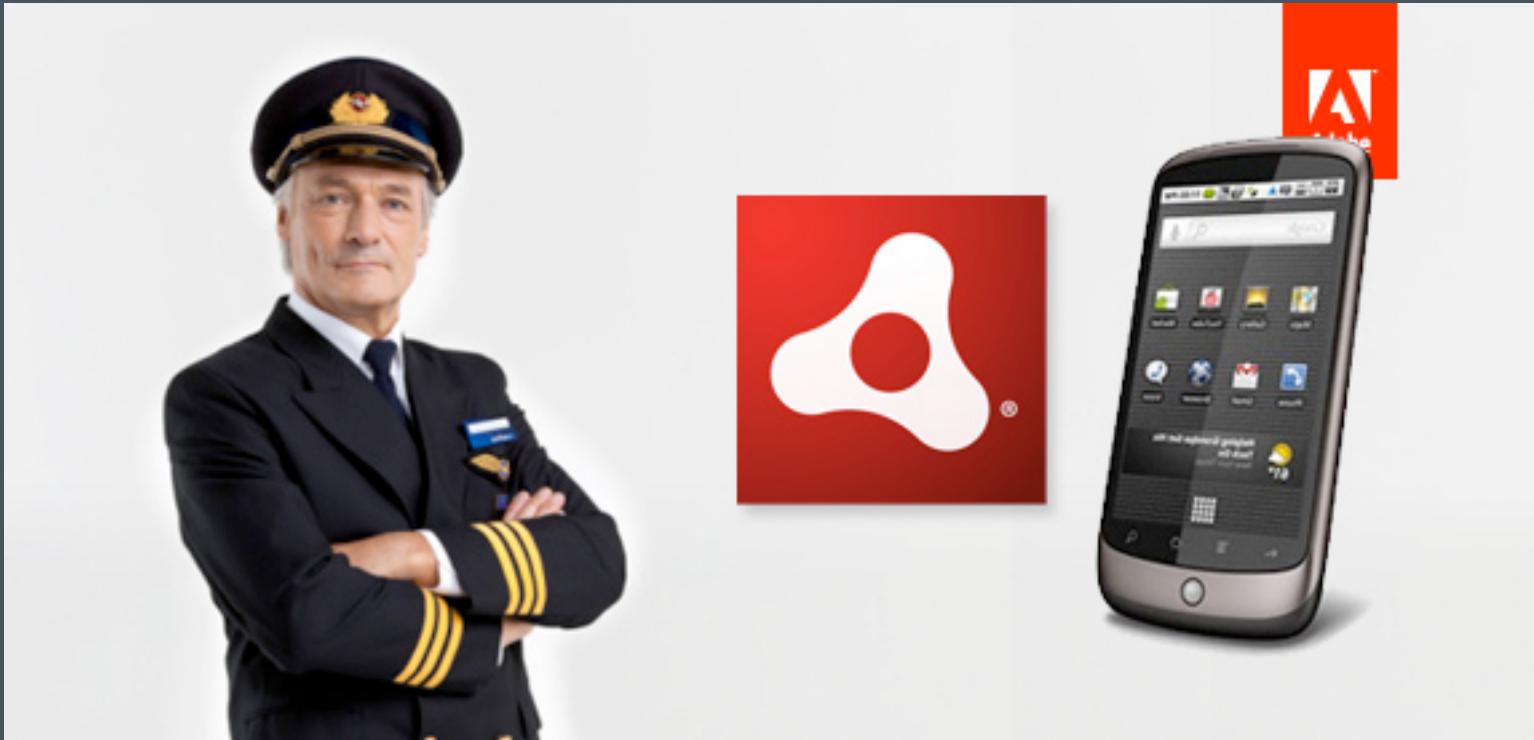
Servers



Adobe® Flash® Media
Server Family



Adobe® LiveCycle®
Data Services



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FLEX PHP

FLEX

Technologie de présentation
multi-screens



Desktop, Mobile, TV,
STB, Tablette...

RIA professionnelles

Industrialisation des
développements

PHP

Logique, mash-up données,
exposition des services

DAO

Authentification des utilisateurs

Exposition des services



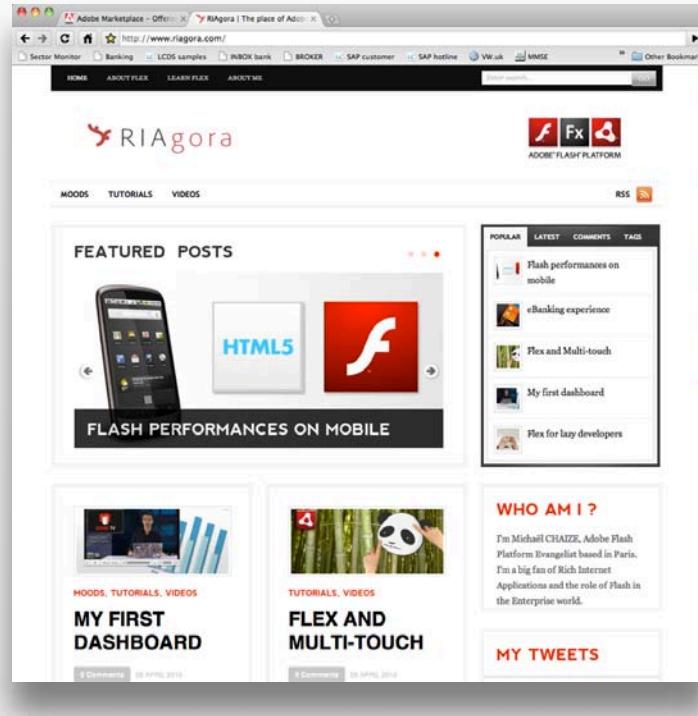
développeur
PHP

développeur
PHP + Flex



Tous sur [labs.adobe.com !!!](http://labs.adobe.com)
GET Flash Builder “Burrito”

Des questions ?



RIAgora.com

 @mchaize

