

nuxeo ● 5.2

Stefane Fermigier, Chairman

Agenda

- ✦ Business needs and use cases
- ✦ History
- ✦ Technology and architecture
- ✦ What's new in Nuxeo 5.2
- ✦ Case studies
- ✦ The future: Nuxeo 5.2.x and Nuxeo 6

Who Am I?

Who am I?

- ✦ Founder and Chairman of Nuxeo (**2000**)
- ✦ Pioneer Open Source ECM **software vendor**
 - ✦ Sustained effort on R&D since 2003 (JEl, FP6, FP7, System@tic, Eureka...)
 - ✦ **Sustained** growth: from 0 to 3 ME turnover in 2008
 - ✦ **International** organization: customers, partners, community (US subsidiary launched in Jan 2009)
 - ✦ **50 employees** worldwide

Problems our customers are
facing

avoid this



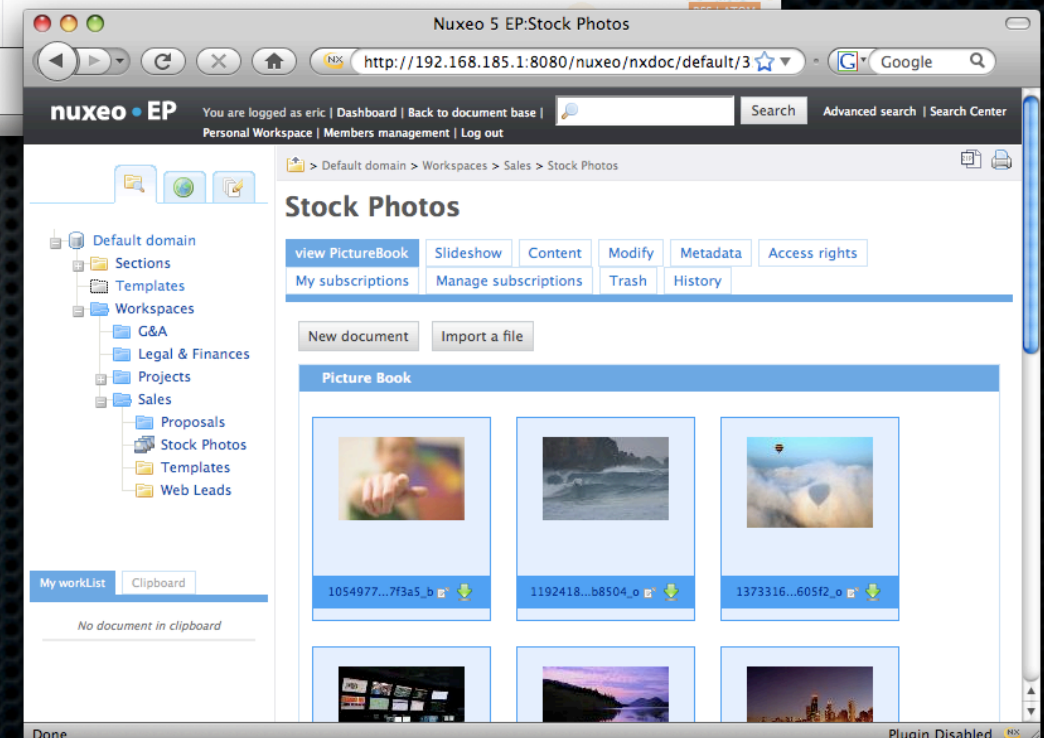
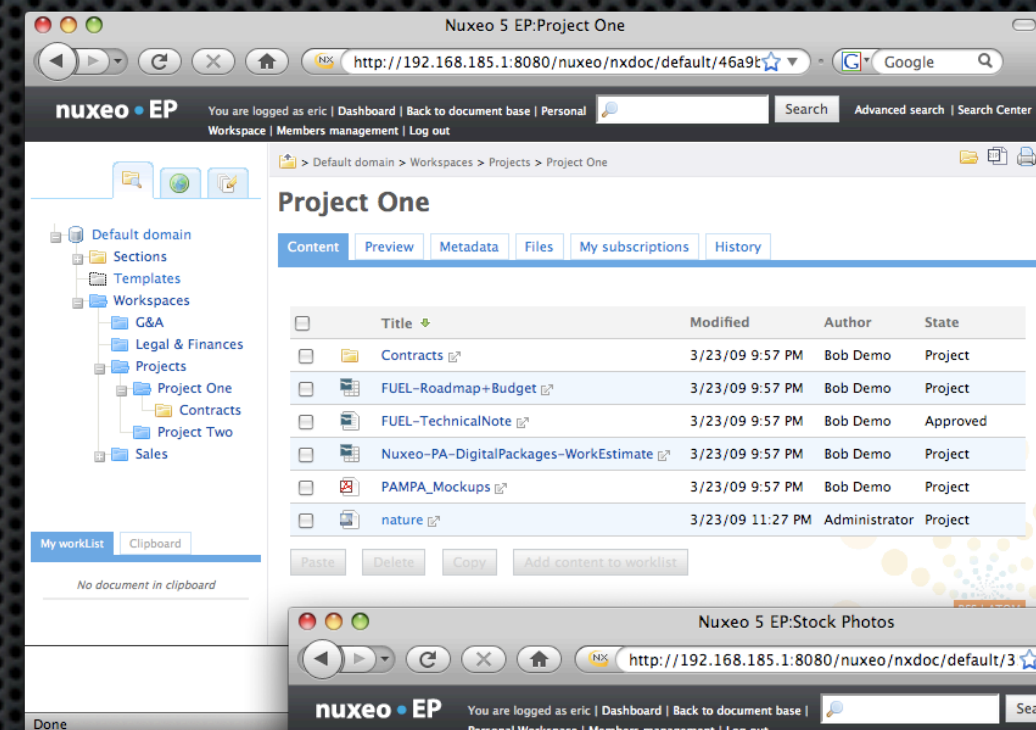
**support
this**



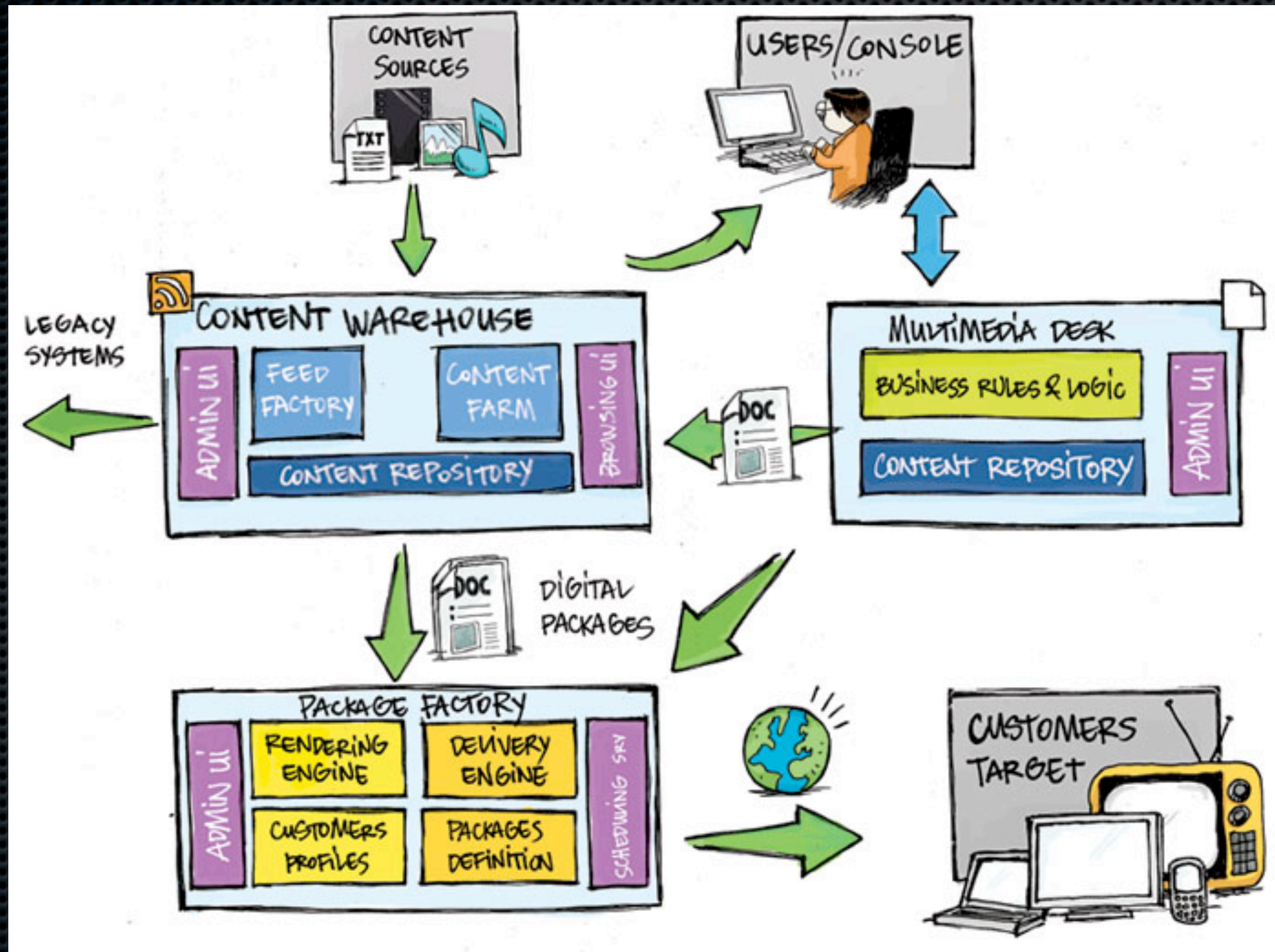
Nuxeo

Document Management

1. **Capture**
2. **Share & collaborate**
3. **Process & Review**
4. **Publish & Archive**
5. **Search & Find**

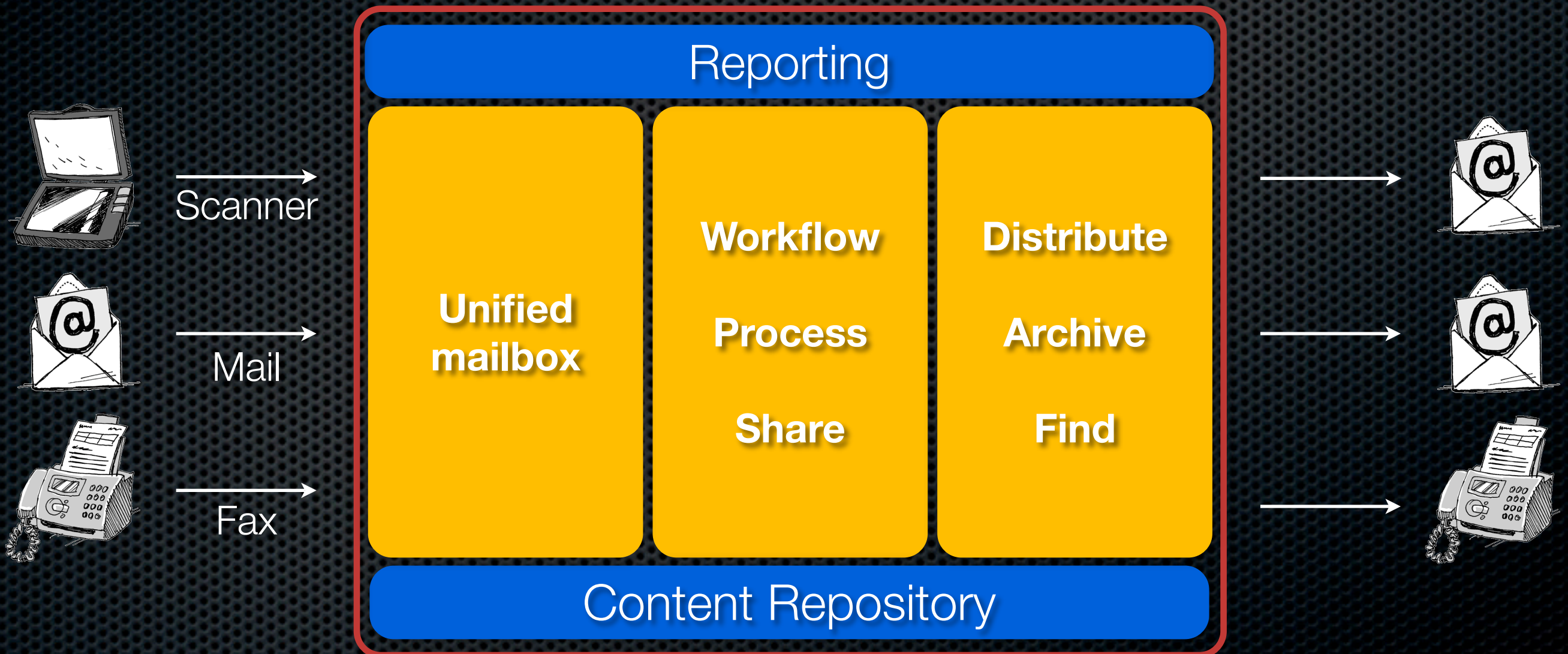


Nuxeo NewsWave



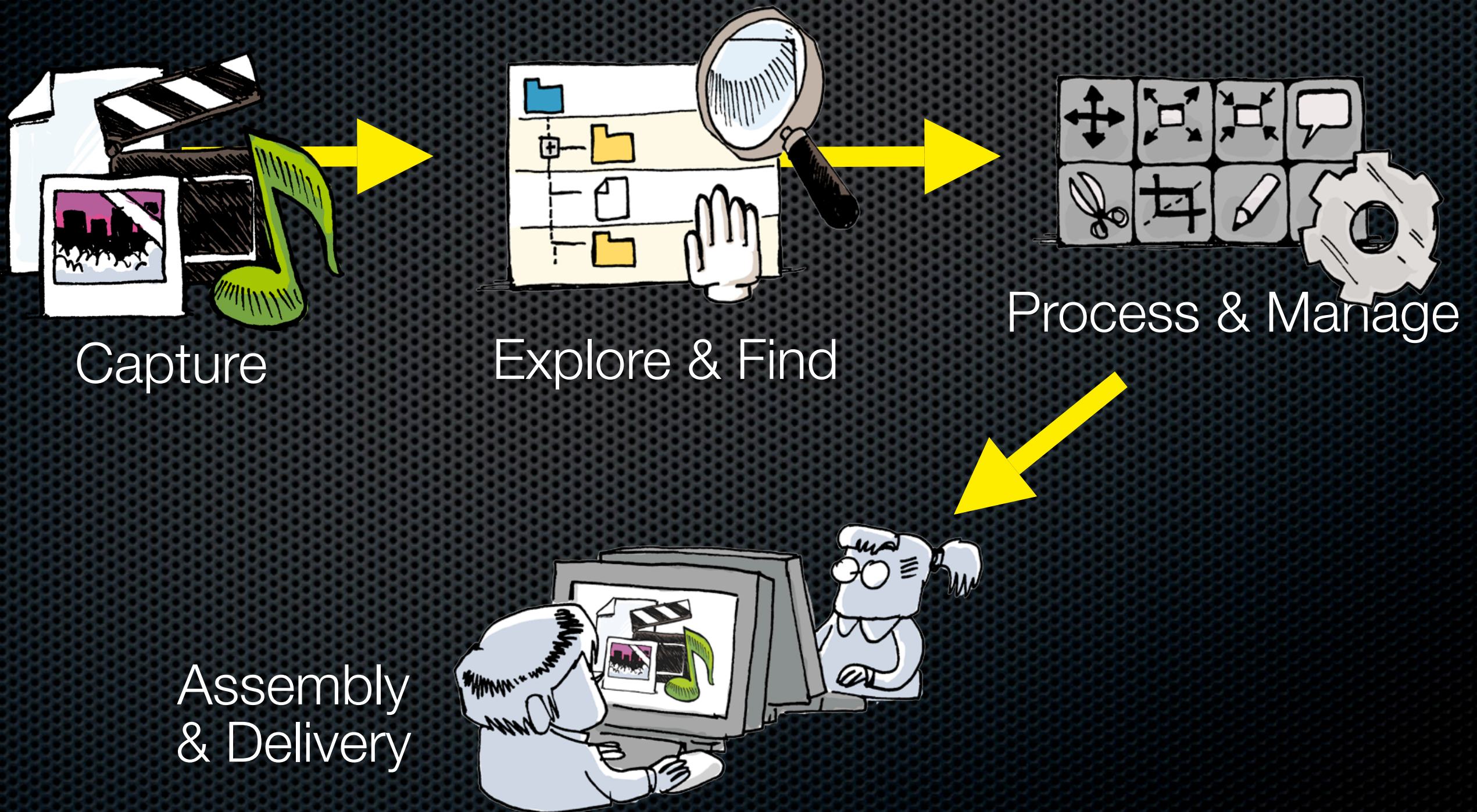
Nuxeo

Correspondance



Nuxeo

Digital Asset Management



History

A Bit of History

- ✦ Company started in 2000
- ✦ 2002-2005: Zope-based CPS project
- ✦ 2005: First Eclipse RCP based project
- ✦ 2005: Zope/Java hybrid: CPS4
- ✦ 2006-now: Full switch to Java

Our Original Goals

- ✦ Address the full ECM scope
 - ✦ Initial focus on Document Management
 - ✦ Architecture must be extensible and modular
- ✦ Enable and sustain the Ecosystem
 - ✦ Easy to work with, design for participation

Our Original Vision

- ✦ Don't reinvent the wheel
 - ✦ Leverage existing standards, work on new ones (ex: JCR2, CMIS)
 - ✦ Build on proven open source libraries and components (JBoss, Apache, Sun, Eclipse)
- ✦ Use a robust software engineering process
 - ✦ Make it transparent for our community

Lesson Learned

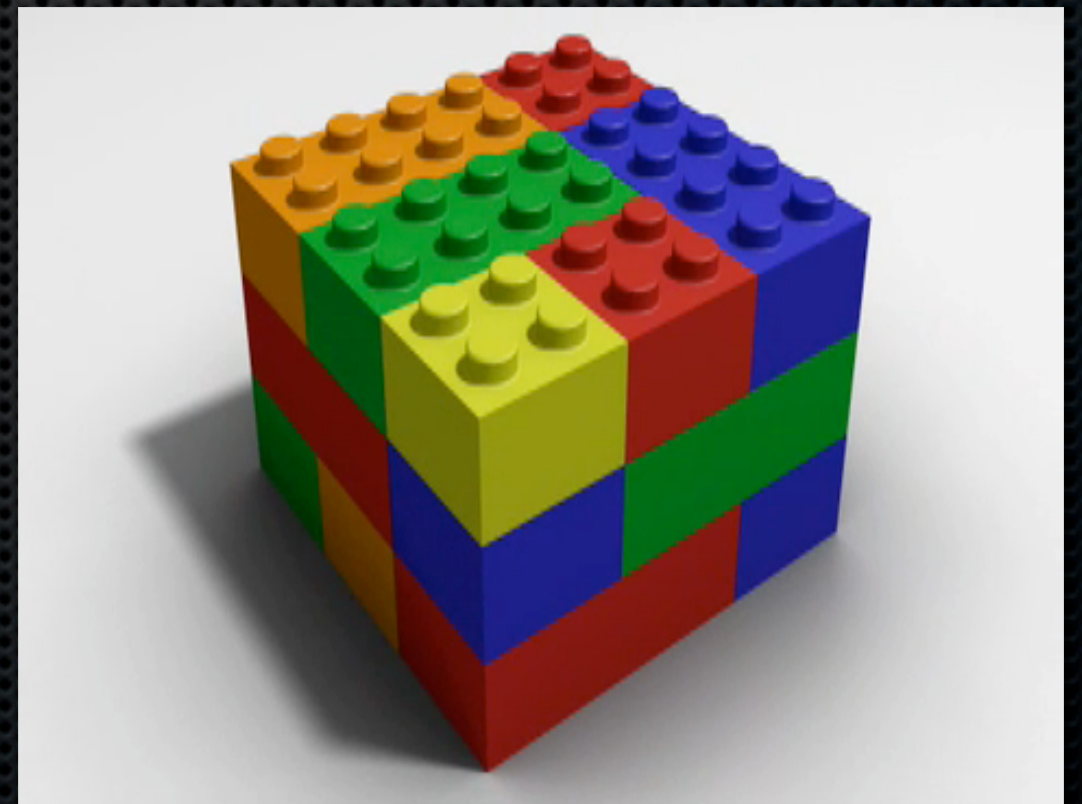
- ✦ Zope Era
 - ✦ Value of components-based architectures
 - ✦ Basics of ECM
- ✦ Eclipse
 - ✦ OSGi and extension points
- ✦ Java Era
 - ✦ Value of standards (Java EE, additional JSRs, OSGi)
 - ✦ With proper tools, you can be as productive and have better quality w/ Java 5 than w/ Python

Technology and Architecture

Our technology

*“More than a product, a **platform!**”*

- ✦ Ubiquitous **ECM platform**
- ✦ Build around **components** & **services** (“Lego bricks”)
- ✦ Advantages
 - ✦ **Extensibility** & customizability
 - ✦ Wide **functional scope**
 - ✦ **Scalability** & Security



Nuxeo Galaxy

Business
Solutions

NewsWave

DAM for **Intelligence**

Your Own Project

Packaged
Applications

**Document
Management**

**Digital Asset
Management**

**Correspondence
Management**

Content
Aggregator

Your Own App

Tech
Platforms

Nuxeo Enterprise Platform

complete set of components covering all aspects of ECM

Nuxeo Core

lightweight, scalable, embedable content repository

Nuxeo EP

JavaEE
5

Doc Mgmt / Collab

SI Integration

Enterprise App

Thin Client (Web)

Nuxeo WebEngine

JAX-
RS

Social Networking

Wikis / Blogs

Content Publishing

Web Applications

Nuxeo RCP

Eclipse
RCP

Desktop Integration

Business Apps

Productivity Apps

Rich Client

JCR

CMIS

Nuxeo Core

OSGi

Nuxeo Runtime

Java
5



JEE
5



nuxeo



Content Store Details (1/2)

- ✦ Hierarchy of objects (folderish / contentish)
- ✦ Formerly based on JCR / Jackrabbit (still supported)
- ✦ Now native SQL engine: “Visible Content Storage”
 - ✦ Already supports PostgreSQL (preferred), MySQL, Oracle, MS-SQL, H2
 - ✦ Uses text indexes native to the RDBMS
- ✦ May be extended someday to include a triple or quad store

Content Store Details (1/2)

- ✦ Documents are constrained by Document Types
 - ✦ Data models are defined by one or more schemas (ex: Dublin Core)
 - ✦ Behaviour is expressed by “facets” (ex: Folderish, Indexable, Versionable, etc.)
 - ✦ Also room for unconstrained content
- ✦ Access rights (ACLs)
- ✦ Replications, synchronisation, scalability

Other Persistence Needs

- ✦ Workflow: state stored by jBPM
- ✦ Relation engine: Jena triple store (currently)
- ✦ Directories: store in LDAP or SQL
- ✦ Audit: every action in the CMS can be logged to a specific DB for auditing purposes, for social timelines...
- ✦ User preferences (personal dashboard, notifications...)
- ✦ Conversion: cache for time-expensive transformations (ex: Word -> PDF rendering)

Workflow Details

- ✦ Based on jBPM
- ✦ Workflows can be graphically designed using jBPM design tools, then seamlessly deployed in Nuxeo
- ✦ Used for publication and for more complex document management tasks
- ✦ Other WF engines might be plugged with some effort

Searching and Indexing (1/2)

- ✦ Used to use Lucene (via Compass) for full text search
 - ✦ Didn't prove very reliable (transactionality issues)
- ✦ Now text index in the RDBMS
 - ✦ Enables mixing fulltext queries with “classical” relational queries (in JOINS...)
 - ✦ Performance is DBMS-dependent

Searching and Indexing (2/2)

- ✦ Open API for external search engine
 - ✦ Enables integration of classical search engine (SOLR) or semantic ones (Sinequa, Exalead, etc.)
 - ✦ But not integrated with NXQL / CMISQL
- ✦ Tags are usually expressed as “dc:subject” properties
 - ✦ Can be controled or freeform
 - ✦ We still need a dedicated service and UI to manage the whole tag space
- ✦ Content can be published (w/ WF) in a hierarchical “file plan” as in traditional document management

Relations

- ✧ Based on Jena
 - ✧ Queries can be expressed in SPARQL
- ✧ Current uses:
 - ✧ “Depend on”, “Obsoletes”, “Supercedes”... relations between documents
 - ✧ Annotations
 - ✧ Wiki links (forward / backwards)

Interfaces: Web

- ✦ Current “Collaborative DM” interface
 - ✦ Based on JSF/Seam
 - ✦ Multiple front-ends deployment using standard Java EE architecture (Session Beans)
- ✦ WebEngine: lightweight “RESTful” interface
 - ✦ Based on the JAX-RS API
 - ✦ Easier to customise for mobile devices
 - ✦ Used by BBC for mobile site (for instance)

Interfaces: Rich Clients

- ✧ RCP
 - ✧ Eclipse RCP based, used by AFP and PA
- ✧ eRCP
 - ✧ Embedded RCP client developed by Yerbabuena Software (community member)
- ✧ GWT
 - ✧ Used for complex interaction (ex: annotations)
- ✧ Flex

Interfaces: Remote API

- ✦ Web services:
 - ✦ JAX-WS API based on Metro
 - ✦ Soon: CMIS WS profile
- ✦ REST
 - ✦ JAX-RS API (WebEngine)
 - ✦ Soon: CMIS AtomPub / REST profile
- ✦ Java API: EJB remoting (RMI)

Metrics

- ✦ 300 KLOC (non-comments)
- ✦ 5000 Java classes
 - ✦ Including 600 test classes
- ✦ 174 modules
- ✦ 73 external (open source) libraries

Development tools

- ✦ Maven for dependency management
- ✦ Mostly Eclipse for development
 - ✦ Standard Java / Java EE plugins
 - ✦ Specific “Nuxeo IDE” used for faster code->build->test turnaround
 - ✦ Work on UML models -> document types, lifecycles and workflow specification generator has recently started

Metrics

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What's New in 5.2?

Nuxeo Enterprise Platform 5.2

aka Chicago

A full-featured software platform for ECM



Nuxeo Enterprise Platform 5.2

aka Chicago

AVAILABLE

A full-featured software platform for ECM

- ✦ **Unbreakable**
stable & scalable
- ✦ **Very wide scope**
features (func & tech)
- ✦ **Easy to use**
and to customize
- ✦ **Great packaging**
Windows, Linux, Solaris
- ✦ **Supported**
- ✦ **Documented**

From 5.1.x ...

- 5.1.x has evolved a lot
 - performances and scalability improvements
 - search service improvements
- A lot of new features via addons
 - VirtualNavigation / Annotations / Preview ...
- but no API / Model changes

Major new features

- ✦ Content **Annotations** (annotate docs & pictures)
- ✦ Content **Preview** (see your docs, in your browser)
- ✦ **Visible Content Store** (keep control of your data)
- ✦ **WebWorkspaces** (expose your work on the web)
- ✦ Windows® **Sharepoint® Services** interoperability
- ✦ and **30+** more!

... to 5.2

Based on developer's feedback

- infrastructure improvements
- simpler and extended APIs
- better consistency of model and extensions
- partially merge some addons into infrastructure
- bring new features


What is new in 5.2

Web side

WebEngine

- New light and flexible web framework
 - content and object publisher
 - FreeMarker templating system
 - scripting support
- More than WCM: content apps
 - easy web development
 - full access to ECM platform
- Based on JAX-RS binding model
 - easily expose REST APIs

Make nice web sites with Nuxeo!



comprendre le monde
Agence mondiale d'information

English | Arabic | Deutsch | Español | Português

27 novembre 2008 11:56
Rechercher

Votre activité

- Web
- Mobile
- Presse écrite
- Télévision & Radio
- Entreprises & Institutions

Nos savoir-faire


- Texte
- Photo
- Vidéo
- Infographie
- Multimédia

Thématiques

- Actualité internationale
- Politique
- Environnement
- Economie - Finances
- Lifestyle
- Sport

Agence France-Presse


- Quoi de neuf !
- Qui sommes-nous ?
- Filiales
- Fondation AFP
- Partenaires
- Contactez l'AFP
- Newsletter



Votre activité

- Web
- Mobile
- Presse écrite
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AFP-Direct, une solution d'accès aux services texte de l'AFP




Spécialement conçu pour répondre aux besoins professionnels d'information, AFP-Direct donne accès jusqu'à 30 services d'information générale, économique ou sportive, disponibles en 6 langues et actualisés 24h/24.

Identifiez-vous


[Contactez l'AFP](#)

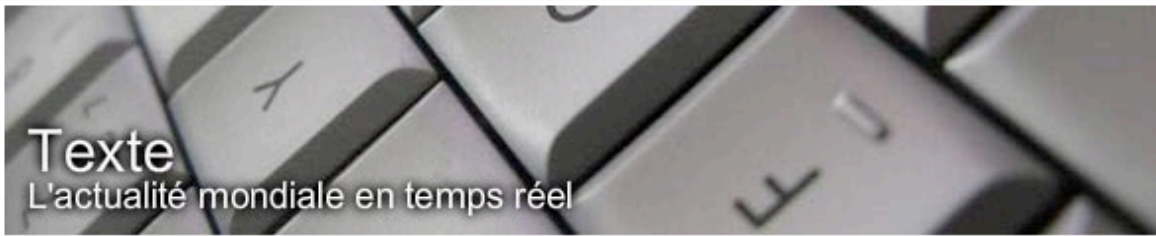
La Une

10h19


De la fumée s'échappe de l'hôtel Taj Mahal à Bombay ...


Le réseau mondial de l'AFP





Texte

L'actualité mondiale en temps réel



Reproductions et posters

JSF WebApp

- Major infrastructure upgrade
 - Seam 2.0
 - JSF Sun RI / RichFaces 3.2
- Better infrastructure
 - ~ 90 RPS on a 2K€ server
(40% faster than 5.1 & 100% faster than 5.2-m2)
 - fully Ajax-enabled
 - easier and more consistent development model

WebEngine and JSF together

- Common infrastructure
 - Auth / Cache / Transactions ...
- Different characteristics
 - WebEngine: Stateless / Light / Rest
 - JSF: Stateful / PageFlow / JEE
- Different use cases
 - JSF: back office, business application
 - WebEngine: front office, WCM, web widgets

Theme manager

- Theme management has been improved
 - WebEngine enabled
 - WebWidgets
 - OpenSocial support

Wait for presentations from Jean-Marc and Damien ! :)

What is new in 5.2

Document repository

Nuxeo SQL Repository

- Native SQL persistence
 - can be used as a replacement of Jackrabbit
 - default repository implementation for 5.2.GA
- Advantages
 - introspectable storage (DBA friendly)
 - easy low level imports
 - easy reporting using standard BI tools
 - better blob storage management
 - full support for query

Jackrabbit 1.4 Repository

- JCR Connector is maintained
 - with an upgraded version of Jackrabbit
- Improvements
 - faster
 - better blob store
- Better support for Query

Core Repository Model

- Operation management
 - easily inject custom code into Repository Core API
- Event handler model
 - better separation between handler types
- Better handling for complex properties
- Complete search API
 - repository now implements SearchService's API

What is new in 5.2

improved ECM services

Events and Audit Service

- Unified event and event handler model
 - easier contribution (will add scripting support)
- Audit customization is now a lot easier
 - no more JPA contribution
- Timeline service added to Audit log
 - view co-worker's activity from audit records

Transformers

- Integrate transformers created into addons
 - any2html, zip2text, image converters ...
- Integrate cache system from addons
 - temporarily store HTML or PDF view, tiles ...
- Tools for command-line based transformers
 - generic transformer
 - command-line registration/configuration service

Workflow and BPM

- 5.1 WF API is too complex
 - based on WFMC meta-model
- 5.2 introduces a new WF API
 - direct binding to JBPM
- 5.2 WF is simpler
 - only have to know JBPM and Nuxeo basic API
- 5.2 WF is faster
 - direct access to JBPM / Hibernate APIs

Search and Indexing

- Drop Compass based SearchService in 5.2
- SearchService now provided by the Repository
 - Jackrabbit 1.4 / Lucene 2.2
 - SQL Repository / FullText implementation is vendor dependent but NXQL compliant
- WebService API for external indexers
 - Sinequa CS
 - Exalead
 - Antidot

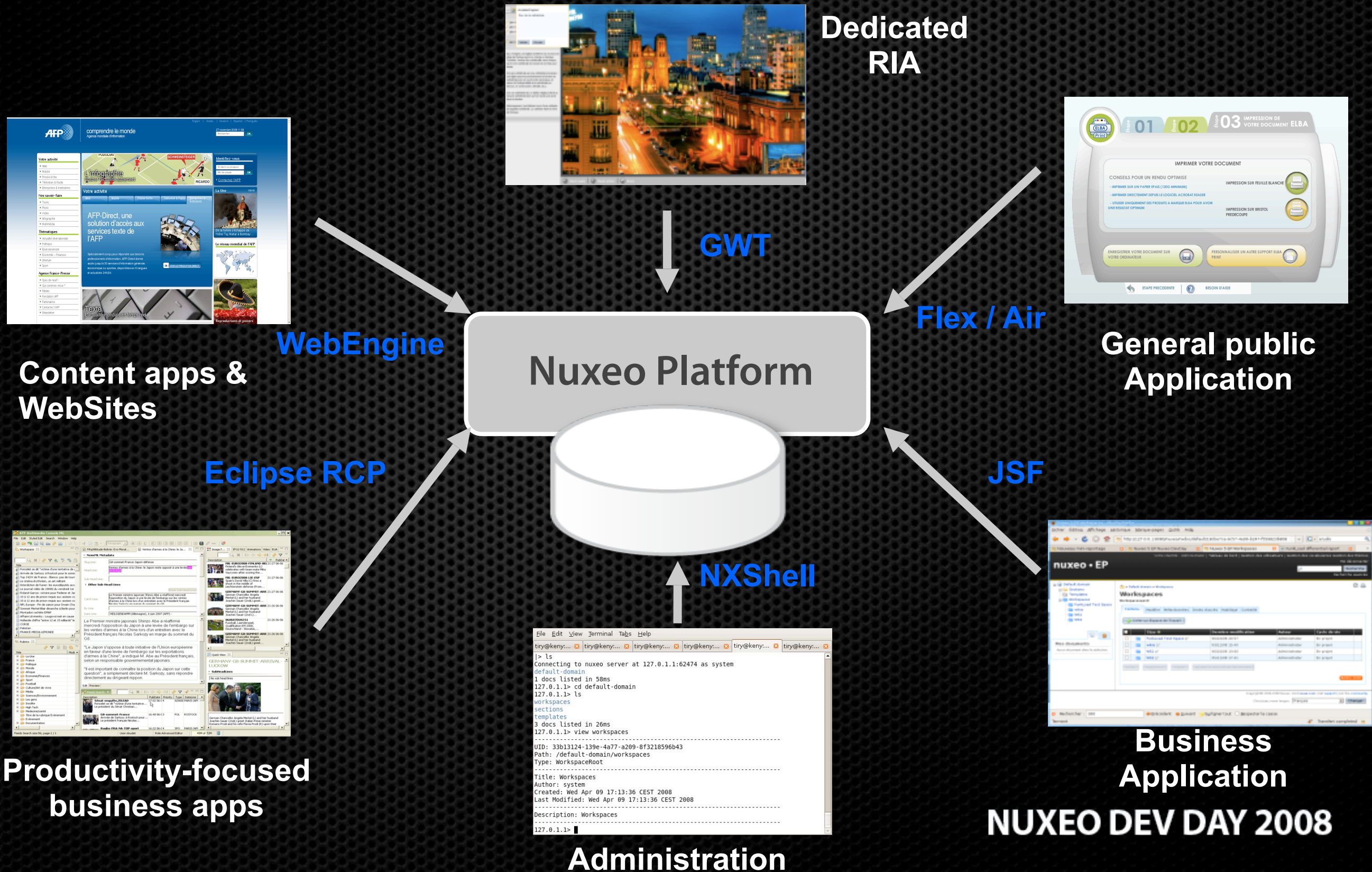
What is new in 5.2

new clients

New RIA clients

- Adds support for browser-based rich clients
- Flex clients
 - using plain REST or AMF via Nuxeo flex connector
- GWT clients
 - using plain REST

True multi-clients support



What is new in 5.2

new features

HTML preview and annotations

- Preview service
 - pluggable html transformers
 - preview adapter model
- Annotation service
 - annotate text & images
 - standard-compliant (W3C Annotea)
 - RDF Based
- GWT based annotation client

Preview & Annotations in action

Masquer les annotations |
 Ajouter une annotation

	« CD » « SD » « DR ».	
comment	Chaîne de caractères.	Commentaires.
video_target	Chaîne de caractères.	Nom de la vidéo associée avec chemin absolu.

3. GetField

Lit un champ compris dans trois types d'enchaînement de balises :

- Trois balises
Lecture : Appelé en CGI par l'ESB de la GED MM via l'interface HTML de découpe vidéo.
Nécessite le fichier de configuration ./conf/VideoCut.conf.

```
<Champ_1 Champs_X="valeur_X" Champs_2="valeur_Y" Champs_3="valeur_Z" [...] valeur Champ_1 </Champ_1>
```

- Deux balises
Lecture de la valeur du champ 2 sachant que sa position suit le schéma :

```
<Champs_1 Champs_X="valeur_X" Champs_2="valeur_Y" Champs_3="valeur_Z" [...] valeur Champ_1 </Champs_1>
```

- Une balise
Lecture de la valeur du champ 1 sachant que sa position suit le schéma :

```
<Champs_1 Champs_X="valeur_X" [...] valeur Champ_1 </Champs_1>
```

- Paramètres d'entrée

Nom	Valeurs	Description
CD	CD	Couleur de la vidéo
SD	SD	Séquence de la vidéo
DR	DR	Durée de la vidéo

Annotations & pictures

- Annotations on picture
 - annotate an image fragment
 - extends W3C Annotea
- Tiling Service
 - tiles computation service based on ImageMagic
 - manages cache and preprocessed tiles
- GWT based client
 - navigate in large pictures
 - manage annotations

Tiling & annotations in action

AnnotationFragment

Parc de la cathédrale

28/11/ 28/11/ 28/11/ 28/11/

Valider Annuler

est, à l'origine, une église chrétienne où se trouve le siège de l'évêque ayant en charge un diocèse. Toutefois, il existe des cathédrales sans évêque, car le nom cathédrale est conservé une fois pour toutes.

Une pro-cathédrale est une cathédrale provisoire : une église assume provisoirement la fonction de cathédrale sans en avoir le titre canonique, en raison de l'indisponibilité de la cathédrale (en travaux, en construction, démolie, etc.).

Une co-cathédrale est un édifice religieux élevé au rang de cathédrale alors qu'il en existe une autre dans le diocèse.

Historiquement, tout bâtiment muni d'une cathèdre est appelée cathédrale. La cathèdre étant le trône de l'évêque.



Zoom avant Zoom arrière Zoom

Rendering Engine

- rendering framework
 - extensible and pluggable
 - default engine based on freemarker
- Can be used for very different purposes

WebEngine : Wiki markup



TeleText rendering
(from PA's system)

Mail connector

- Fetch mails from a mailbox
 - inject mails as Documents into Nuxeo
- View a mailbox as a Folder in Nuxeo

T	De	Objet	A	Emetteur(s)	Référence expéditeur	Reçu le
	A	Cellule courrier	marc-berdah	Erwin Van den Bogaert. PerkinElmer S.A.S.	?	26/11/08 17:11
	A	Cellule courrier	jean-luc-pasquier	Ophélie HOORNAERT OSYRIS INDUSTRIEL	M20/11036141	26/11/08 17:10
	A	Cellule courrier	marc-berdah	? CS SI	REFERENCE COMMANDE : M00 / 11035759	26/11/08 17:10
	A	Cellule courrier	marc-berdah	Madame Armelle FOURCOT CS COMMUNICATION SYSTEMES	21004867	26/11/08 17:09
	A	Cellule courrier	marc-berdah	FARNELL	736801	26/11/08 17:09
	A	Cellule courrier	marc-berdah	Jacques REPUSSARD IRSN/SG	IRSN/DIR/2008-640	26/11/08 17:09
	A	Cellule courrier	IRSN/DG	Laurent TURPIN CEA/SACLAY	INSTN/MB 153-06	26/11/08 15:22
	A	Cellule courrier	IRSN/DG	L'ingénieur des mines chargé de la 4ème sous-direction - M. Marc STOLTZ DGSNR/PARIS	DEP-SD4-0077-2006	26/11/08 15:22

Query Wizard

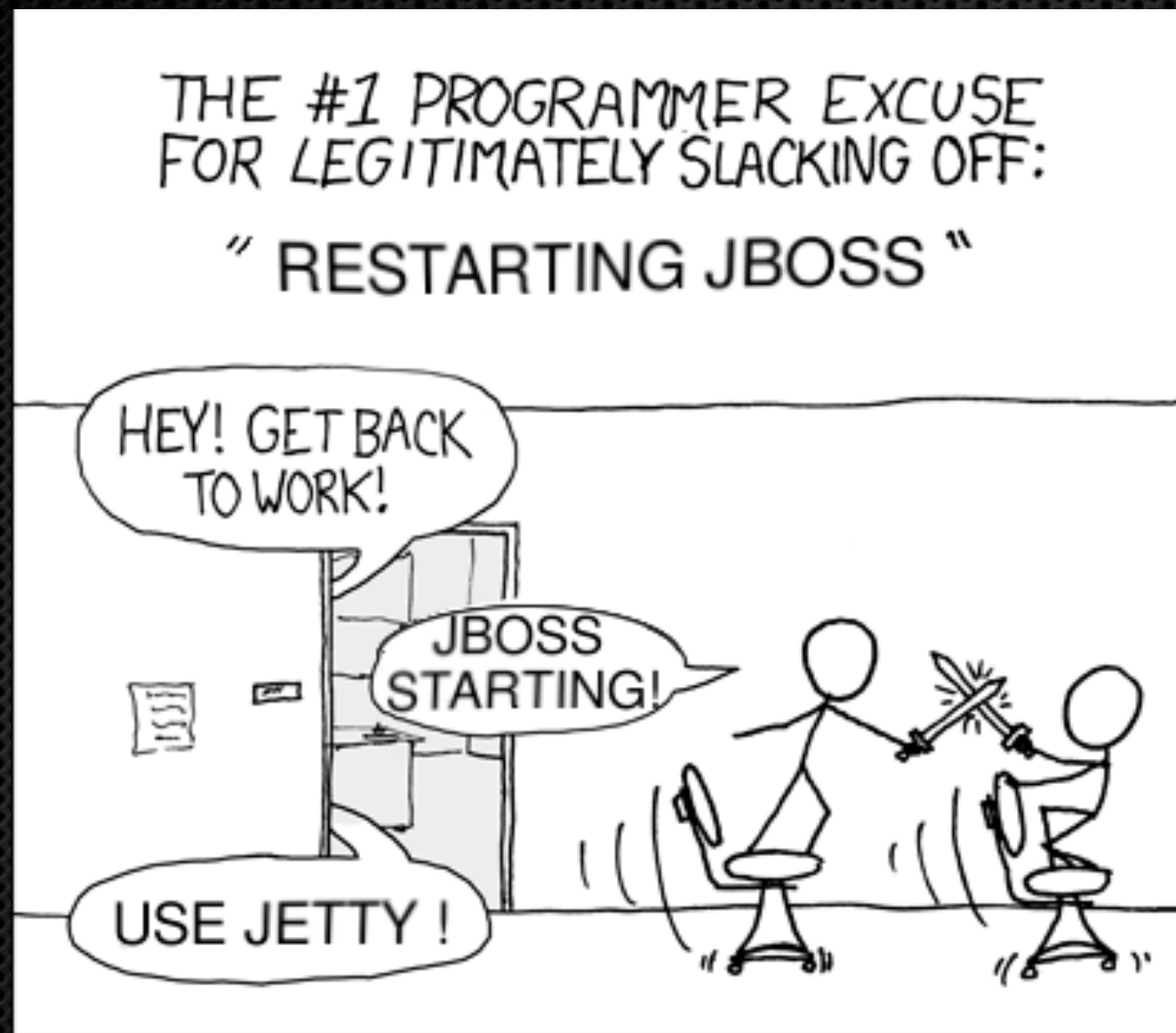
- Provides a wizard to create a complex query
 - let end user access search full power
- Creates a virtual folder from a Query
 - define custom view on Document repository

The screenshot shows a web-based query wizard interface. At the top, there is a dropdown menu labeled 'Code affaire' with a value of 'EGAL'. Below it, another dropdown menu is open for 'Code activité S2IE 2', showing a list of options: 'Sélectionnez une valeur.', 'Code activité S2IE 1', 'Code activité S2IE 2' (highlighted), 'Code activité S2IE 3', and 'Code activité S2IE 4'. Below the dropdowns, there is a text input field containing the query 'pccr:sender_reference = '?''. At the bottom of the interface, there are three buttons: 'Exécuter', 'Sauver la recherche', and 'Réinitialiser'.

What is new in 5.2

for developers

Nuxeo 5.2 – more productivity



What has changed

- Improved API for a lot of services
- New web development model
 - WebEngine + scripting
- Packages for developers, with fast start up
 - Jetty / GlassFish / Tomcat
- Nuxeo Studio
 - Better IDE integration (hg & m2 plugins)
 - Artifacts wizards
 - Custom editors

What is new in 5.2

Deployment target

More deployment options

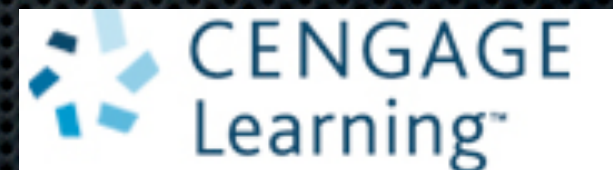
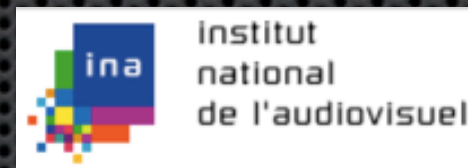
- ✧ Application Servers support
 - ✧ JBoss 4.2.3
 - ✧ GlassFish 3
 - ✧ Jetty
 - ✧ Tomcat 6
 - ✧ could be planned : <Your App Server Here> :)
- ✧ Java 5 and Java 6

Target servers: why does it matter ?

- ✦ More options is always more freedom
- ✦ To meet the requirements of our customers
- ✦ To provide lightweight deployment solutions
- ✦ To provide a lighter and faster dev environment
- ✦ The exercise is healthy for the platform

Who Uses It?

Major Nuxeo Customers



Some SI Partners



AFP Console NG

- ✦ Multimedia news authoring and publishing
- ✦ Targeted to multimedia Desks
 - ✦ XHTML WYSIWYG Editor
 - ✦ Full NewsML 1.2
 - ✦ IPTC support
 - ✦ Real-time collaboration and news feeds
 - ✦ Spellchecking support (with custom dictionnaires)
 - ✦ Photos / Videos / Flashes
- ✦ Java EE on the server side
- ✦ Eclipse RCP on the client side

From

AFP Consultation par routage FRS									
Editer Stockage Outils Bureaux Protocoles Aide									
4	ABC84	ETR	EAF.ELU	JPA	EMI	FRS	.0149	070607-08h37	w0354
Pakistan-justice-politique-médias				Crise politique au Pakistan: suspension des mesures de contrôle des médias					
ISLAMABAD, 7 juin 2007 (AFP) - Le									
4	ABC72	ALC	FRS-LC	M	EMI	FRS	.0148	070607-08h36	w0342
Partis-PS-gouvernement-social-fiscalité,LEAD				Hollande: le gouvernement va augmenter les taux de TVA de 2 à 3 points					
PARIS, 7 juin 2007 (AFP) - Le									
4	ABC61	FRA	FAF	PT	EMI	FRS	.0147	070607-08h35	w0342
Partis-PS-gouvernement-social-fiscalité,LEAD				Hollande: le gouvernement va augmenter les taux de TVA de 2 à 3 points					
PARIS, 7 juin 2007 (AFP) - Le									
4	ABC55	FRA	FAF	P	EMI	FRS	.0146	070607-08h34	w0605
Législatives-84,PREU				Dans un climat de peur de l'avenir, le Vaucluse s'ancre à droite (PAPIER D'ANGLE)					
Par Isabelle WESSELINGH				MONTEUX (Vaucluse),					
3	ABC11	FRA	FAF	C	EMI	FRS	.0145	070607-08h28	w0248
Histoire-Résistance,LEAD				Décès du général Le Ray, premier chef militaire du maquis du Vercors					
PARIS, 7 juin 2007 (AFP) - Le général de corps d'armée									
4	ABC02	FRA	FAF	P	EMI	FRS	.0144	070607-08h27	w0243
Partis-PS,LEAD				Hollande veut rester premier secrétaire du PS jusqu'au prochain congrès					
PARIS, 7 juin 2007 (AFP) - François Hollande a indiqué									
3	ABB95	ETR	EAF.ELU	JP	EMI	FRS	.0143	070607-08h26	w0292
Indonésie-UE-France-PaysBas-drogue-justice				L'UE demande à l'Indonésie de ne pas exécuter des condamnés à mort					
JAKARTA, 7 juin 2007 (AFP) - L'Union									
4	ABB91	AFA	MOA.PEP	AF	EMI	FRS	.0142	070607-08h25	w0246
GB-Nigeria-littérature-prix				GB: une Nigériane remporte le prix littéraire féminin Orange Broadband					
LONDRES, 7 juin 2007 (AFP) - L'écrivain									

To

AFP Multimedia Console NG

File Edit Styled Edit Search Window Help

Workspace

NewsML Metadata

Slug Line: G8-sommet-France-Japon-défense

Head Line: Ventes d'armes à la Chine: le Japon reste opposé à une levée de l'embargo

Sub-Head Line:

Other Sub-Head Lines

Reset Sub-Head Lines

Catch Line: Le Premier ministre japonais Shinzo Abe a réaffirmé mercredi l'opposition du Japon à une levée de l'embargo sur les ventes d'armes à la Chine lors d'un entretien avec le Président français Nicolas Sarkozy en marge du sommet du G8.

By Line:

Date Line: HEILIGENDAMM (Allemagne), 6 juin 2007 (AFP) -



Le Premier ministre japonais Shinzo Abe a réaffirmé mercredi l'opposition du Japon à une levée de l'embargo sur les ventes d'armes à la Chine lors d'un entretien avec le Président français Nicolas Sarkozy en marge du sommet du G8.

"Le Japon s'oppose à toute initiative de l'Union européenne en faveur d'une levée de l'embargo sur les exportations d'armes à la Chine", a indiqué M. Abe au Président français, selon un responsable gouvernemental japonais.

"Il est important de connaître la position du Japon sur cette question", a simplement déclaré M. Sarkozy, sans répondre directement au dirigeant nippon.

Edit Preview

Feeds Search

Description	PubDate	Priority	Type	DateLine
 Sénat-enquête, 2E LEAD Poncelet se dit "victime d'une tentative de..." Le président du Sénat Christian...	17:02 06-04	4	020000	PARIS (AFI)
 G8-sommet-France Arrivée de Sarkozy à Rostock pour... Le président français Nicolas...	16:48 06-03	3	POL	ROSTOCK
Rugby-FRA-NA-TOP-sport	16:22 06-04	4	SPO	PARIS (AFI)

Feeds Search size:56; page:1 / 1

User:doudet Role:Advanced Editor 45M of 72M

Image f... IFO2-512 Animations Video EUA

Description PubDal

FBL-EURO2008-FINLAND-BEL 21:27 06-06
Finland's Alexei Eremenko (L) celebrates with team-mate Mika Vayrynen after scoring the...

FBL-EURO2008-LIE-ESP 21:27 06-06
Spain's David Villa (C) fires a shoot in the middle of Liechtenstein defense (From...

GERMANY-G8-SUMMIT-ARR 21:27 06-06
German Chancellor Angela Merkel (L) and her husband Joachim Sauer (2ndL) greet...

GERMANY-G8-SUMMIT-ARR 21:26 06-06
German Chancellor Angela Merkel (L) and her husband Joachim Sauer (2nd L)...

060607DUS251 21:26 06-06
Fussball, Laenderspiel, Qualifikation EM 2008, Deutschland - Slowakei,...


GERMANY-G8-SUMMIT-ARR 21:26 06-06
German Chancellor Angela Merkel (L) and her husband Joachim Sauer (2ndL) greet...

Quick View

GERMANY-G8-SUMMIT-ARRIVAL-LUCKOW

SubHeadLines

No sub head lines



German Chancellor Angela Merkel (L) and her husband Joachim Sauer (2ndL) greet Italian Prime minister Romano Prodi and his wife Flavia Prodi (R) upon their arrival at the G8 summit in Lückow.

The Workspace

The screenshot displays the AFP Multimedia Console NG workspace, a complex interface for managing news content. The interface is divided into several main sections:

- Left Panel (Collaborative Workspace):** A list of news items with titles such as "Poncelet se dit 'victime d'une tentative de..." and "Arrivée de Sarkozy à Rostock pour le somm...". A yellow callout box labeled "Collaborative Workspace" is overlaid on this panel.
- Top Panel (NewsML Metadata):** A form for editing metadata for a selected item. It includes fields for Slug Line, Head Line, Sub-Head Line, Catch Line, By Line, and Date Line. A yellow callout box labeled "Metadata & Rich Text Editor" is overlaid on this panel.
- Right Panel (Incoming Feeds):** A list of incoming news feeds with titles like "FBL-EURO2008-FINLAND-BEL" and "GERMANY-G8-SUMMIT-ARR...". A yellow callout box labeled "Incoming Feeds" is overlaid on this panel.
- Bottom Left Panel (Publishing Sections):** A list of publishing sections including "La Une", "France", "Politique", "Monde", "Afrique", "Economie/Finances", "Sport", "Football", "Culture/Art de vivre", "Média", "Sciences/Environnement", "Les gens", "Insolite", "High Tech", "Medecine/santé", "Titre de la rubrique Evènement", "Evènement", and "Documentation". A yellow callout box labeled "Publishing Sections" is overlaid on this panel.
- Bottom Center Panel (Search Results):** A table showing search results with columns for Description, PubDate, Priority, Type, and DateLine. The results include items like "Sénat-enquête, 2LEAD" and "G8-sommet-France". A yellow callout box labeled "Search Results" is overlaid on this panel.
- Bottom Right Panel (Quick View):** A detailed view of a selected item, showing a title "GERMANY-G8-SUMMIT-ARRIVAL-LUCKOW", a sub-headline, and a description. A yellow callout box labeled "Quick View" is overlaid on this panel.

The interface also includes a top menu bar with options like File, Edit, Styled Edit, Search, Window, and Help, and a bottom status bar showing "Feeds Search size:56; page:1 / 1", "User:doudet", "Role:Advanced Editor", and "45M of 72M".

Workflow

AFP Multimedia Console NG

File Edit Styled Edit Search Window Help

Collaborative Workspace (3)

NewsML Metadata

Slug Line: G8-sommet-France-Japon-défense

Head Line: Ventes d'armes à la Chine: le Japon reste opposé à une levée de l'embargo

Sub-Head Line:

Other Sub-Head Lines

Catch Line: Le Premier ministre japonais Shinzo Abe a réaffirmé mercredi l'opposition du Japon à une levée de l'embargo sur les ventes d'armes à la Chine lors d'un entretien avec le Président français Nicolas Sarkozy en marge du sommet du G8.

By: HEILIGENDAMM (Allemagne) 17 juin 2007 (AFP) -

Date Line: 17:02 06-06

Metadata & Rich Text Editor (2)

Le Japon s'oppose à toute initiative de l'Union européenne en faveur d'une levée de l'embargo sur les exportations d'armes à la Chine", a indiqué M. Abe au Président français, selon un responsable gouvernemental japonais.

"Il est important de connaître la position du Japon sur cette question", a simplement déclaré M. Sarkozy, sans répondre directement au dirigeant nippon.

Incoming Feeds (1)

Publishing Sections (4)

Search Results (1b)

Quick View

Feeds Search

Description	PubDate	Priority	Type	DateLine
Sénat-enquête, 2E LEAD Poncelet se dit "victime d'une tentative de..." Le président du Sénat Christian...	17:02 06-06	4	020000	PARIS (AFI)
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Rugby-FRA-NA-TOP-sport	16:22 06-06	4	SPO	PARIS (AFI)

Feeds Search size:56; page:1 / 1

User:doudet Role:Advanced Editor 45M of 72M












It's even bigger, actually










































Rich Text Editor

AFP Multimedia Console NG

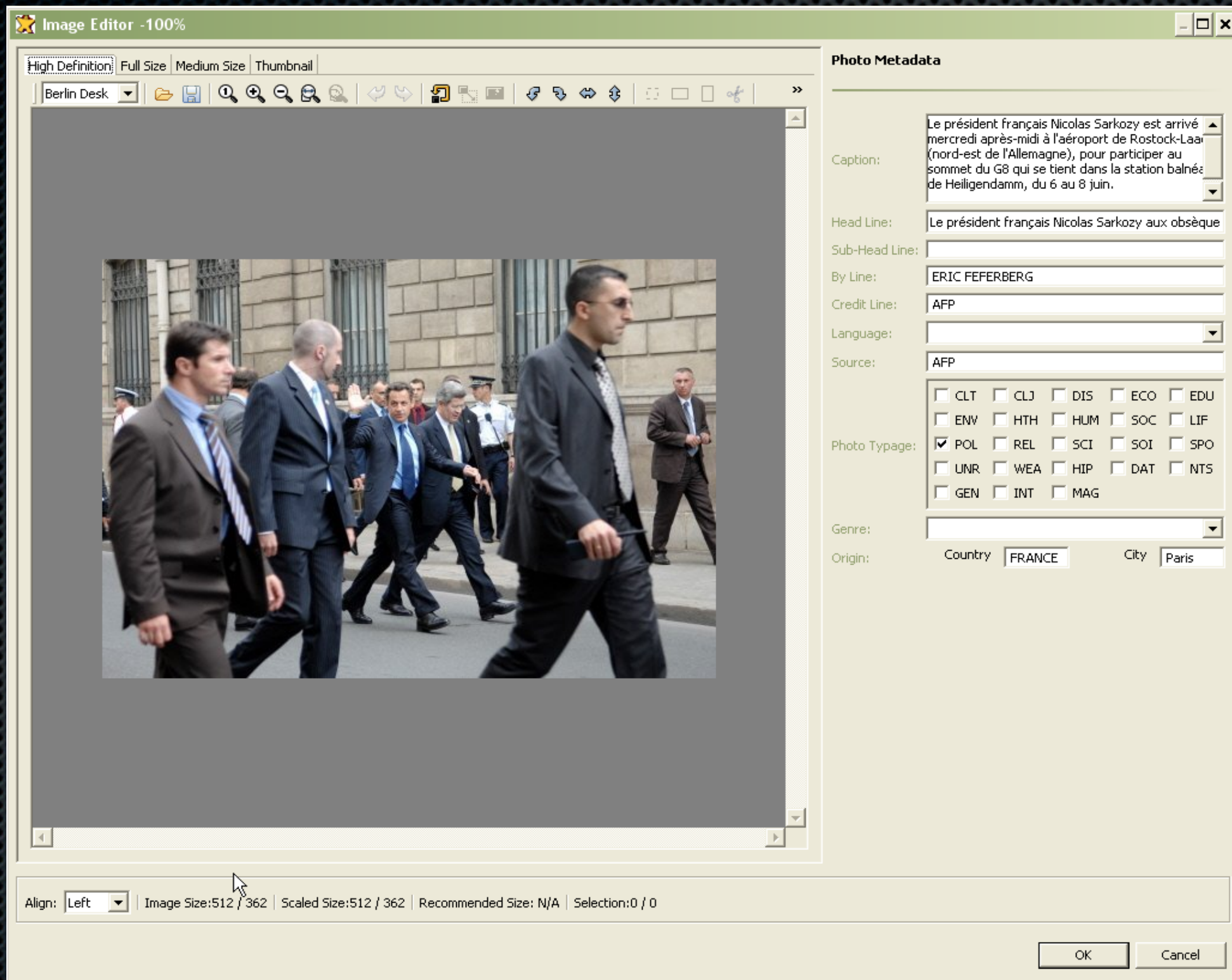
File Edit Styled Edit Search Window Help



Paragraph



Flexible Picture Editor



Delivered to customers

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Search the Web Search

YAHOO! NEWS Sign In New User? Sign Up News Home - Help

News Home U.S. Business World Entertainment Sports Tech Politics Science Health Most Popular Index

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News Search Now with Blogs (GETA) ch: All News & Blogs Search Advanced

Top Stories - AFP

France in crisis as riots spread
2 hours, 57 minutes ago
PARIS (AFP) - Prime Minister Dominique de Villepin and Interior Minister Nicolas Sarkozy held a crisis meeting on running riots that have plunged France into its worst explosion of urban violence in decades.

View: [Headlines Only](#) | [Include Summaries](#) | [Include Photos](#)

Thousands oppose Bush at Americas summit
2 hours, 2 minutes ago
MAR DEL PLATA, Argentina (AFP) - Thousands staged angry anti-US protests as President George W. Bush sought to convince the 34-nation Summit of the Americas to follow a free trade agenda.

Pakistan's Musharraf criticises West for quake aid shortfall
Fri Nov 4, 10:28 AM ET
MUZAFFARABAD, Pakistan (AFP) - Pakistani President Pervez Musharraf accused the West of double standards for failing to meet the country's quake aid needs, adding that he would delay buying US fighter jets to focus on relief efforts.

Iraq's PM uses Muslim holiday to urge insurgency end
2 hours, 35 minutes ago
BAGHDAD (AFP) - At least 15 Iraqis were killed in separate incidents across the country as Prime Minister Ibrahim Jaafari used the occasion of the Eid al-Fitr holiday to urge insurgents to abandon their fight.

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TOP STORIES SLIDESHOWS
OCTOBER PAYROLLS WEAKER THAN EXPECTED
Hurricane Katrina

NUTXT Project

- ✦ New editorial system for PA to serve analog and digital Teletext in the UK
- ✦ Create the foundation for other systems at PA that might migrate to it (photo, text)
- ✦ 100+ users, 4 locations (UK, India)

Workspace

The screenshot displays the PressAssociation NuTxt workspace interface, which is divided into several functional areas:

- Collaborative "Baskets":** Located in the top-left pane, this section shows a table of content items categorized by "SPORT". The table includes columns for Title, Last modified, Last user, Embargo, and Expire. Items listed include "Mahendra Dhoni bidding", "Chelsea boss gets de...", "Ponting worried", and "Barca legend".
- Metadata and Content Editor:** The central pane displays the metadata for the selected item, "Chelsea boss gets death threats". It includes fields for Title, Author (Administrator), Topic, Region, Creation Time, Modification Time, Last User, Embargo Date, Expiry Date, and Required update time. Below these are fields for Brief Index Text, Short Index Text, Medium Index Text, Long Index Text, URL, Trail, and Headline. The bottom of this pane features a "Story Content" editor with a rich text toolbar.
- Collection / Slots Management:** The top-right pane, titled "Collections Navigator", shows a tree view of collections including Finance, News, and Sport. Under Sport, sub-collections like Cricket, Football, Golf, and Tennis are listed.
- Publishing area Staging / On Air:** The bottom-left pane, titled "Collection Editor : Cricket", shows a table for managing content slots. The table has columns for Slot, Stage, and Air, with slots numbered 00 through 07.
- Search Photo Collection etc.:** The bottom-right pane, titled "Workspace Navi...", shows a search results table with columns for Title, Last User, and Basket. Results include "Cricket_Story_Template" and "Ponting worried".

At the bottom of the interface, a status bar indicates the current mode is "View Mode".

Live Preview

The screenshot displays a software interface for document management and rendering. The main window is titled "Chelsea boss gets threats" and contains a "Metadata" section and a "Story Content" section. The "Story Content" section has a rich text editor with a toolbar and a large text area containing the following text:

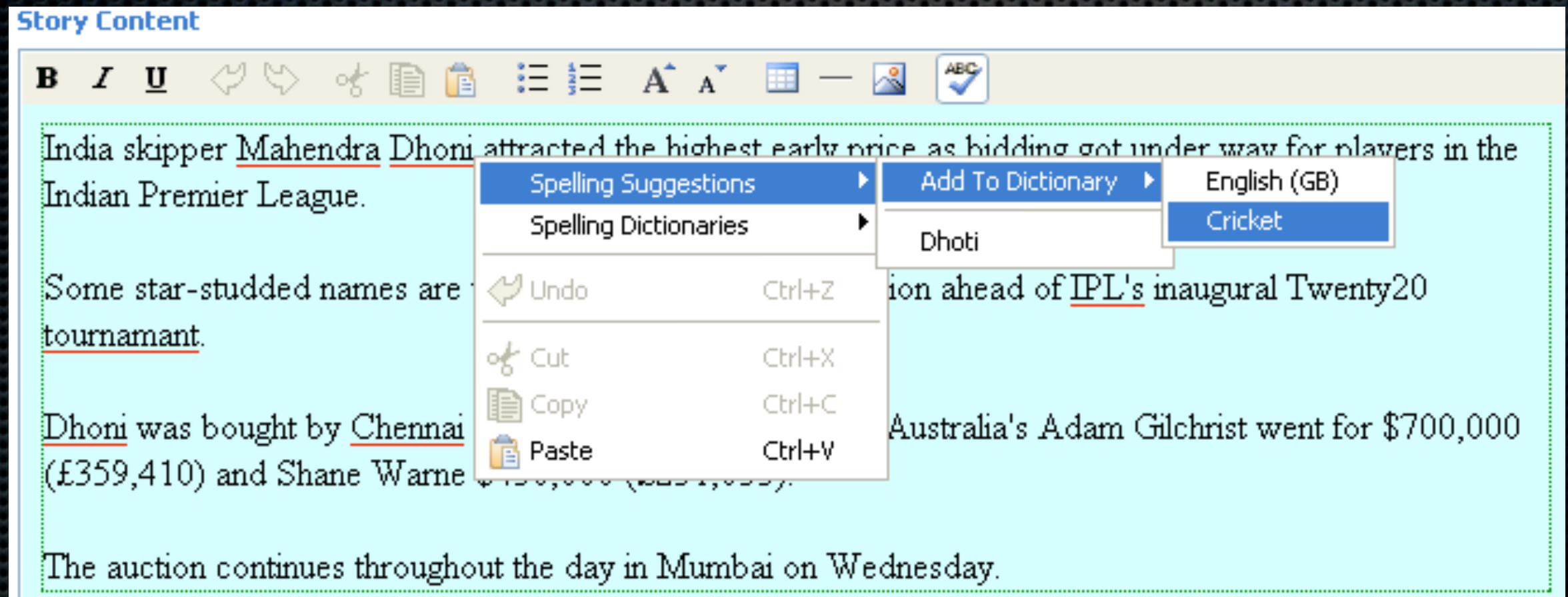
Anti-Semitic death threats have been sent to Chelsea football boss Avram Grant in a package containing a white powder, police said.

A note addressed to Grant was opened by a member of staff. It was found to contain anti-Jewish insults as well as claims that the powder was lethal.

To the right of the main window is a "Collections Navigator" panel with a tree view showing "Finance", "News", and "Sport" categories. Below this is a "Worksp..." panel with tabs for "Photo ...", "Search...", and "Rende...". The "Rende..." tab is active, showing a rendered version of the document. The rendered output features a yellow "News" header, a red horizontal line, and the text "Death threats to Chelsea". Below this, the full text from the "Story Content" section is displayed in a black box with white text.

At the bottom of the interface, there is a status bar with tabs for "Story", "Rendering", "Item Management G...", "Administrative Me...", and "DescriptiveMetada...".

Custom Dictionaries



The future:
Nuxeo 5.2.x and 6

Roadmap

- ✦ March 2009: Nuxeo 5.2 RC (done)
- ✦ April 2009: Nuxeo 5.2 GA
- ✦ June 2009: Nuxeo 5.2.1
 - ✦ Bugfixes + addons + tools
- ✦ Later: Nuxeo 5.2.2, 5.2.3, etc. (one every 2 months?)
- ✦ End of 2009(?): Nuxeo 6

Nuxeo Workshop

Lean environment to **imagine**
and **create** next-generation
content apps




Nuxeo Workshop

Lean environment to **imagine**
and **create** next-generation
content apps

- ✦ **Deep integration** with **dev tools** (ex: m2, hudson, hg)

Nuxeo Workshop

A black and white photograph of a craftsman in a workshop. The craftsman is wearing a cap, glasses, and a dark apron over a light-colored shirt. He is working on a piece of wood with a tool, creating a shower of sparks that fills the air. The background shows the interior of a workshop with various tools and equipment.

Lean environment to **imagine**
and **create** next-generation
content apps

- ✦ **Deep integration** with **dev tools** (ex: m2, hudson, hg)
- ✦ Handy **editors** (doctypes, forms, query, etc.)

Nuxeo Workshop

Lean environment to **imagine**
and **create** next-generation
content apps

- ✦ **Deep integration** with **dev tools** (ex: m2, hudson, hg)
- ✦ Handy **editors** (doctypes, forms, query, etc.)
- ✦ **Fast** code/deploy/test **cycle**

Nuxeo Workshop

IN PROGRESS

Lean environment to **imagine**
and **create** next-generation
content apps

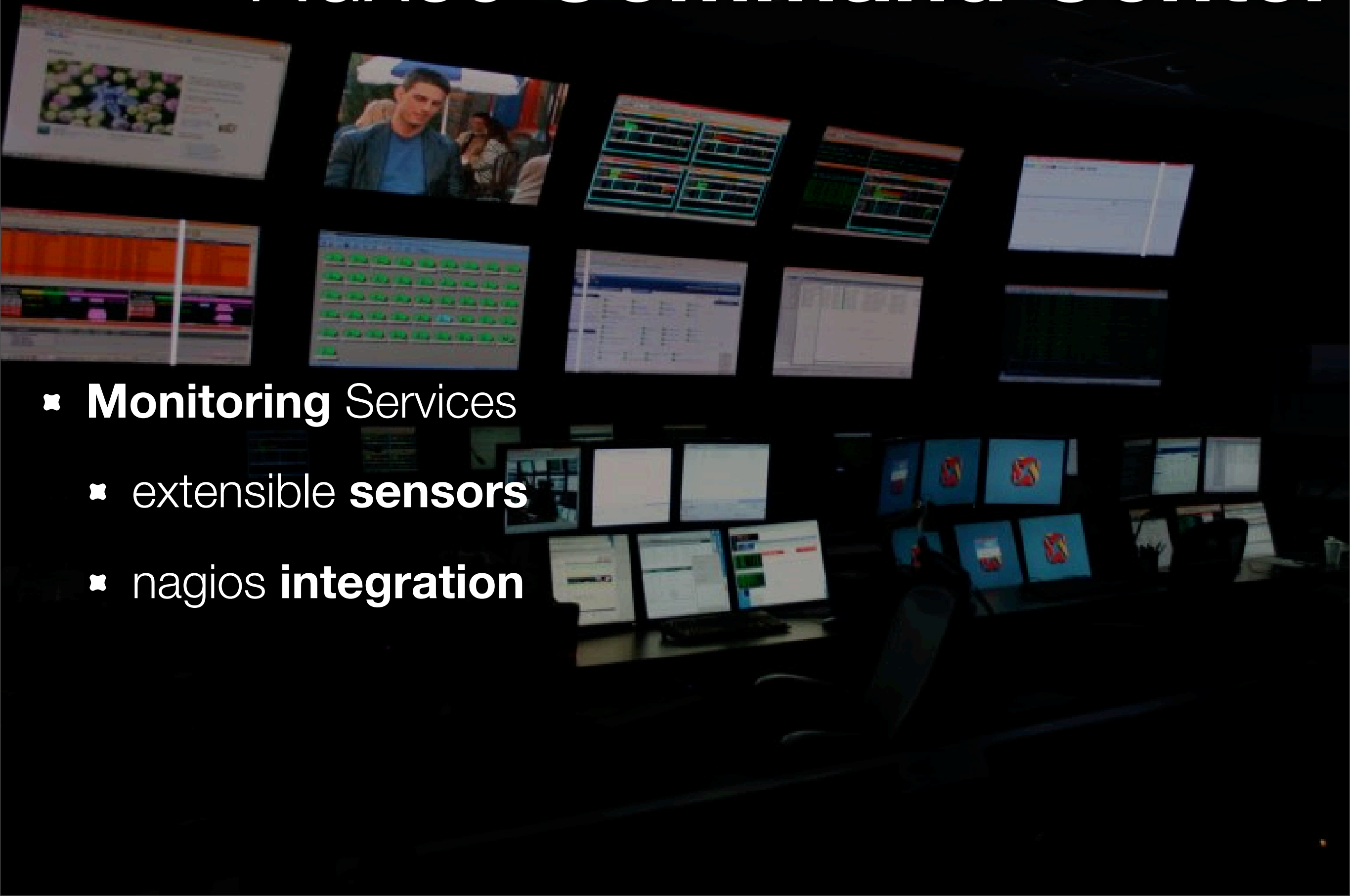
- ✦ **Deep integration** with **dev tools** (ex: m2, hudson, hg)
- ✦ Handy **editors** (doctypes, forms, query, etc.)
- ✦ **Fast** code/deploy/test **cycle**
- ✦ Live **content browser** & debugger

Nuxeo Command Center



Nuxeo Command Center

- ✦ **Monitoring** Services
 - ✦ extensible **sensors**
 - ✦ nagios **integration**



Nuxeo Command Center

**PREVIEW
AVAILABLE**

- ✧ **Monitoring** Services
 - ✧ extensible **sensors**
 - ✧ nagios **integration**
- ✧ **Admin Console**
 - ✧ **live** monitoring (operations, jobs, stores, pools, etc.)
 - ✧ **visual** operations (backup, restore, cluster, etc.)

CMIS & Unified ECM API

- Exposes CMIS API and model
 - as main api for content access
- Extends CMIS to expose more services
 - audit, multi-files support, complex properties ...
- New high level API
 - simpler model
 - smaller set of interfaces
 - Java and REST APIs

New Unified ECM API: why ?

- Easier for developers and integrators
 - simpler model
 - smaller set of interfaces
- Standard compliant
 - business application's core logic is not bound to Nuxeo
 - create vendor-neutral apps
- Technology-neutral (http based)
 - can be called remotely from any technology



Nuxeo in the **Sky**

the first ECM platform built
on and for the cloud

- ✦ **Grid** technologies at the **core**
- ✦ Everything **distributed**
- ✦ **Cloud storage** for Nuxeo Core (sky's the limit)
- ✦ Grid for distributed **job execution**
- ✦ **Built-in** horizontal **scaling**

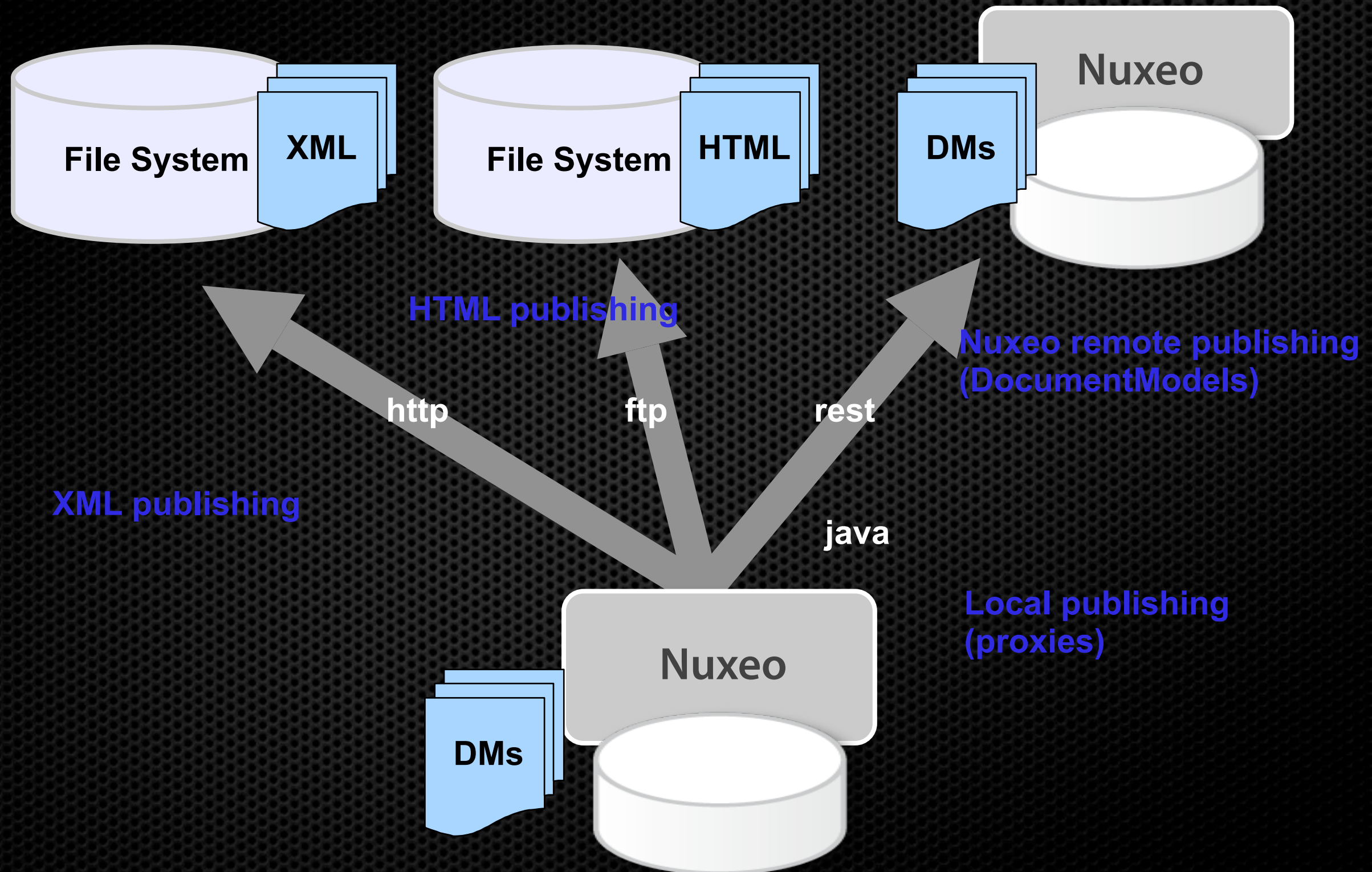
New services

- Remote publishing (multi-sites management)
- Replication and offline mode
- Unified ECM API with CMIS support

Remote publishing

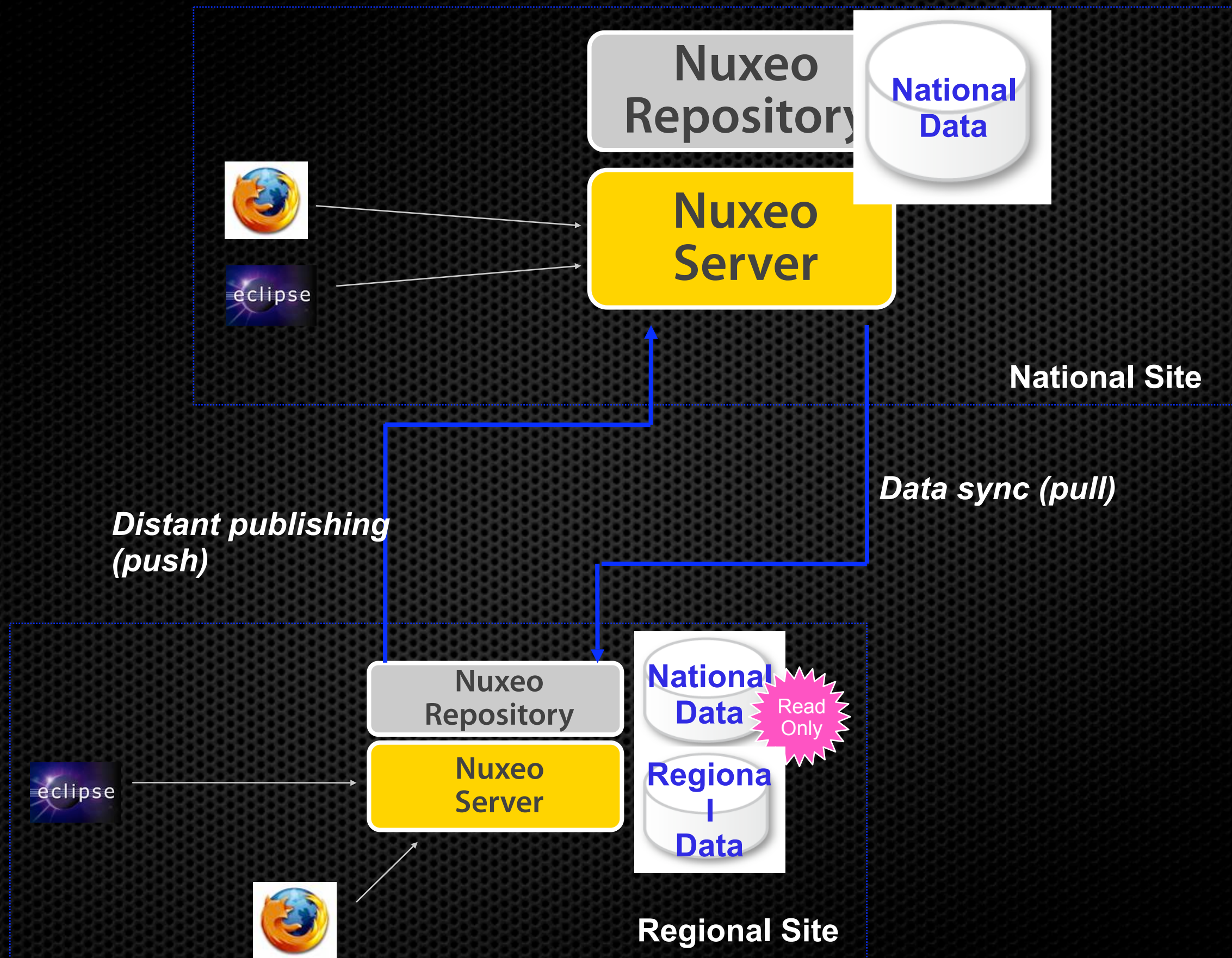
- Current publishing service
 - publish via proxies in the same Repository
 - publish XML/FOP transformed content to local/remote filesystem (ftp/http ...)
- Target: one generic publishing service
 - publish locally or remotely
 - publish on filesystem or on Nuxeo
 - have a unified publishing interface
- Address multi-sites management challenges

Unified publishing



Nuxeo Sync: use cases

- Decentralized architectures
 - local read-only copy for centralized content
 - “*reverse distant publishing*”
- Apogee mobile users
 - local working copy for offline usage
 - push back data when back online



Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises



Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises

- ✦ **Better UI**
simplify, streamline, lighten

Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises

- ✦ **Better UI**
simplify, streamline, lighten
- ✦ **Leverage the cloud**
all things distributed

Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises

- ✦ **Better UI**
simplify, streamline, lighten
- ✦ **Leverage the cloud**
all things distributed
- ✦ Focus on **content apps**

Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises

- ✦ **Better UI**
simplify, streamline, lighten
- ✦ **Leverage the cloud**
all things distributed
- ✦ **Focus on content apps**
- ✦ **Social Features**
Open Social, “Widgets”

Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises

- ✦ **Better UI**
simplify, streamline, lighten
- ✦ **Leverage the cloud**
all things distributed
- ✦ **Focus on content apps**
- ✦ **Social Features**
Open Social, “Widgets”
- ✦ **Nuxeo Core 2**
CMIS, fully distributed

Nuxeo Enterprise Platform 6

aka New York

Content apps for enterprises

- ✦ **Better UI**
simplify, streamline, lighten
- ✦ **Leverage the cloud**
all things distributed
- ✦ **Focus on content apps**
- ✦ **Social Features**
Open Social, “Widgets”
- ✦ **Nuxeo Core 2**
CMIS, fully distributed
- ✦ **Better packaging**

How You Can Help

- ✦ Test, file bug reports or RFEs
- ✦ Comment on proposed new API or API refactorings
- ✦ Write or improve pieces of documentation (FAQ, howtos, Nuxeo Books...)
 - ✦ Use our Wiki for easier collaboration
- ✦ Write or improve translation files
 - ✦ Already: EN, FR, DE, IT, ES, VN, CN

How You Can Help (contd.)

- ✦ Become a committer
 - ✦ First, submit your patches to the Jira
 - ✦ You must adhere to the projects coding rules and quality standards
 - ✦ We will give you direct access after a while
- ✦ You're also free to develop your own extensions
 - ✦ We can host them if you want
 - ✦ Including putting them under CI, etc.

Questions?