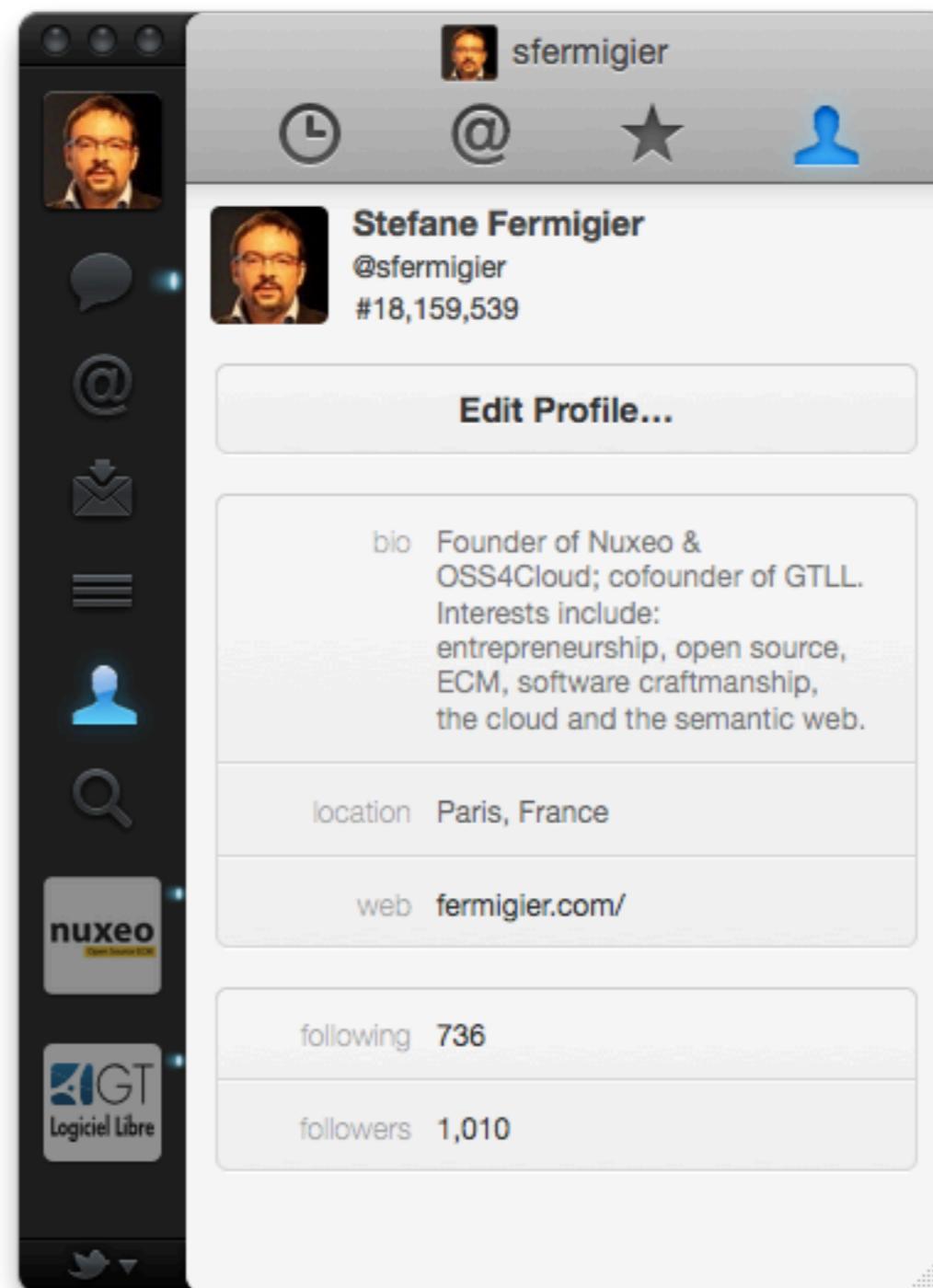


Nuxeo at 10

Stefane Fermigier - Nuxeo
Evry, Feb. 2011



nuxeo
Open Source ECM

Personal journey

- Studies in mathematics (-> PhD)
- Discovered Unix and Free Software in 1988, Linux in 1991, the Web et Python in 1996
- Co-founded AFUL en 1998
- Founded Nuxeo fin 2000
- Co-founded the GTLL (F/OSS interest group) in 2007

The Open Source Tornado

Apps



Middleware



The Jakarta Project
<http://jakarta.apache.org>

OS



Novell

Internet Infra



1995

2000

2005



The early years

2000-2005

Timeline

- Nuxeo founded in 2000
- Initial technology focus on Python and Zope
- Our initial motto: “Web solutions for better collaboration”
- 2002-2005: we create the Zope-based Nuxeo CPS project
 - Which lives on at www.cps-project.org

Nuxeo CPS

- Content management and portal platform
- Built on top of the Zope and CMF (Content Management Framework) open source frameworks
- Architecture: pluggable components (“Products”) and events

Growing a self-funded company

- Initial focus on services
- Market opportunity: F/OSS in the (mostly) French Public Administration
- Partnering with bigger players (ex: Capgemini) is both mandatory and difficult
- Starting up a company is risky (specially if you've never done it before)
- Cash is absolutely king!

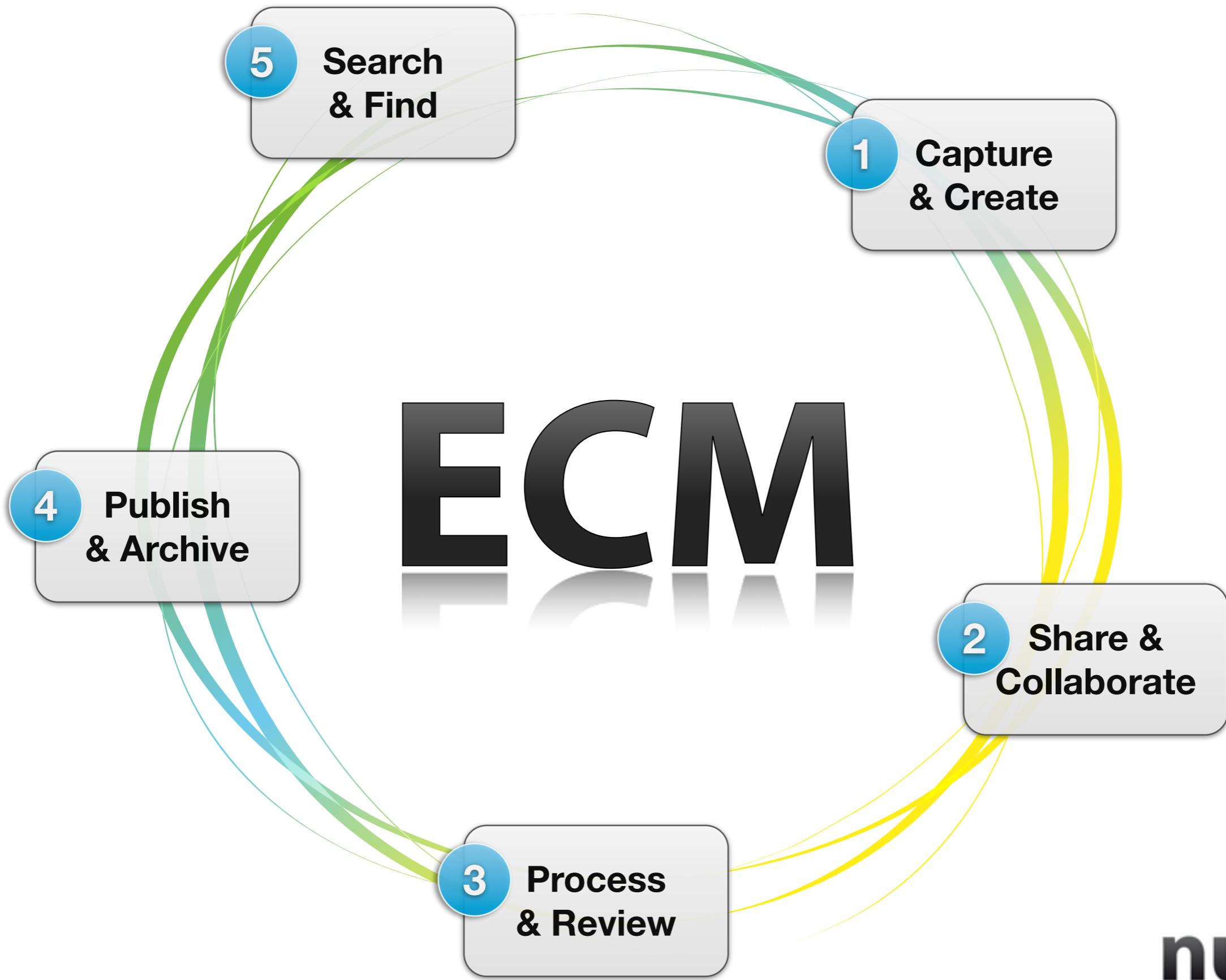
The Java EE years 2005-Now

Timeline

- 2005: First Eclipse RCP based project (front-end with Zope/CPS based back-end)
- 2006: Full switch to Java (Java EE 5 and OSGi)
- 2009: Raised VC funding to migrate business model from service company to OSS Software Vendor and conquer the world
- 2010 & 2011: Launched the Apache Chemistry, Apache Stanbol and Eclipse ECR projects

What is ECM?

ECM, a concept that emerged in the early 2000s, represents the **integrated enterprise-wide** management of all forms of **non-structured** (and sometimes, semi-structured) **content**, including their **metadata**, across their whole **lifecycle**, supported by appropriate technologies and administrative infrastructure.



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What are CEVA?

- 4LA invented by Gartner in 2006: “**Content Enabled Vertical Applications**”
- “CEVAs typically help to **automate complex processes** that **previously** required workers to manually sort through **paper documents** and other forms of content (in effect, a way to **manage down costs** of exception handling) and **optimize** the remainder of the work.”

Our Goal (as of 2006)

- Create an **ECM platform** that enables us and partners to create generic **document and content management** applications as well as **CEVAs**
- Move towards an **open source vendor** business model and focus on **recurring revenue** (= subscription) growth

Switch to Java: Why?

- Technical reasons:
 - ZODB doesn't scale well in terms of data volume
 - Dynamic languages don't scale well in terms of managing complexity (> 100 KLOC)
- Business reasons:
 - Java makes it much easier to work with mainstream systems integrators

Switch to Java: How?

- We had to maintain, for some time, both platforms
- Couldn't announce the new platform before it was ready to be sold
- Had to hire some new Java developers with a higher failure rate as before
- 10% of our developers were too emotionally attached to Python, and left (they're still good friends though)

Products and Services

Nuxeo ECM - Our Approach

Building Applications

Business Applications

Construction

Media

Government

Life Sciences

Correspondence Management

Contracts Management

Invoice Processing

Records Management

Packaged Products

Document Management

Digital Asset Management

Case Management Framework

Foundation

Content Application Platform

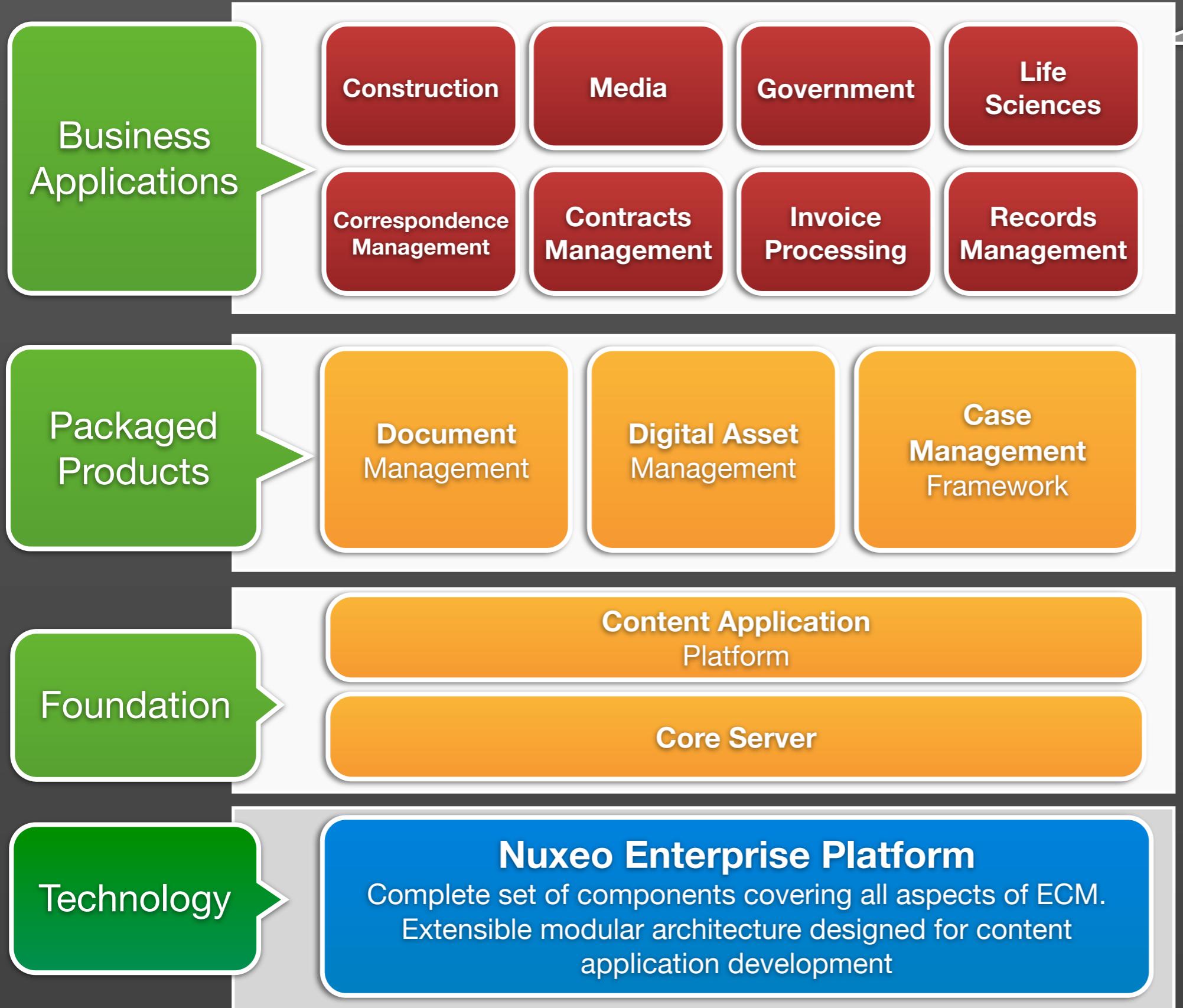
Core Server

Technology

Nuxeo Enterprise Platform

Complete set of components covering all aspects of ECM.
Extensible modular architecture designed for content application development

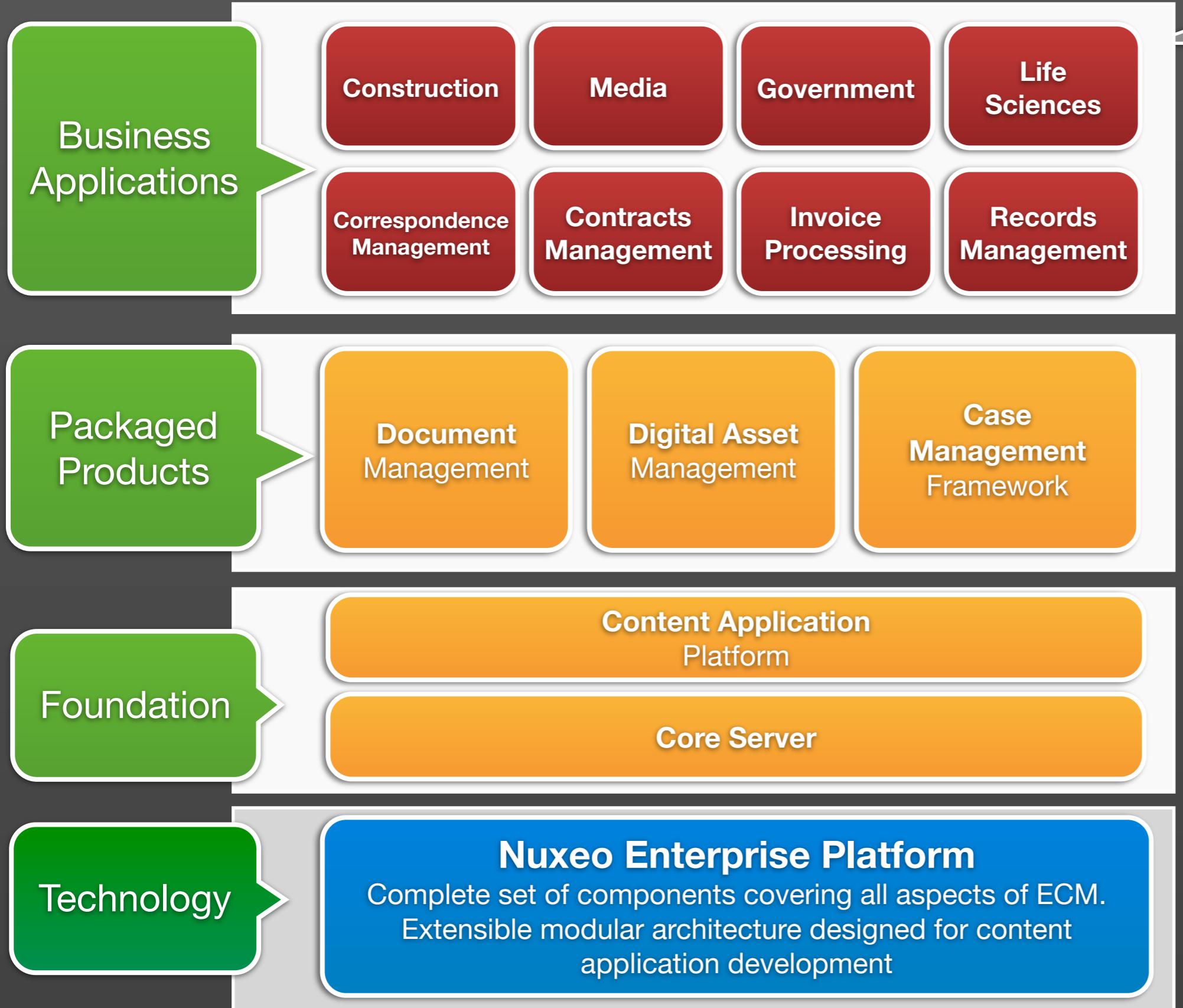
Nuxeo ECM - Our Approach



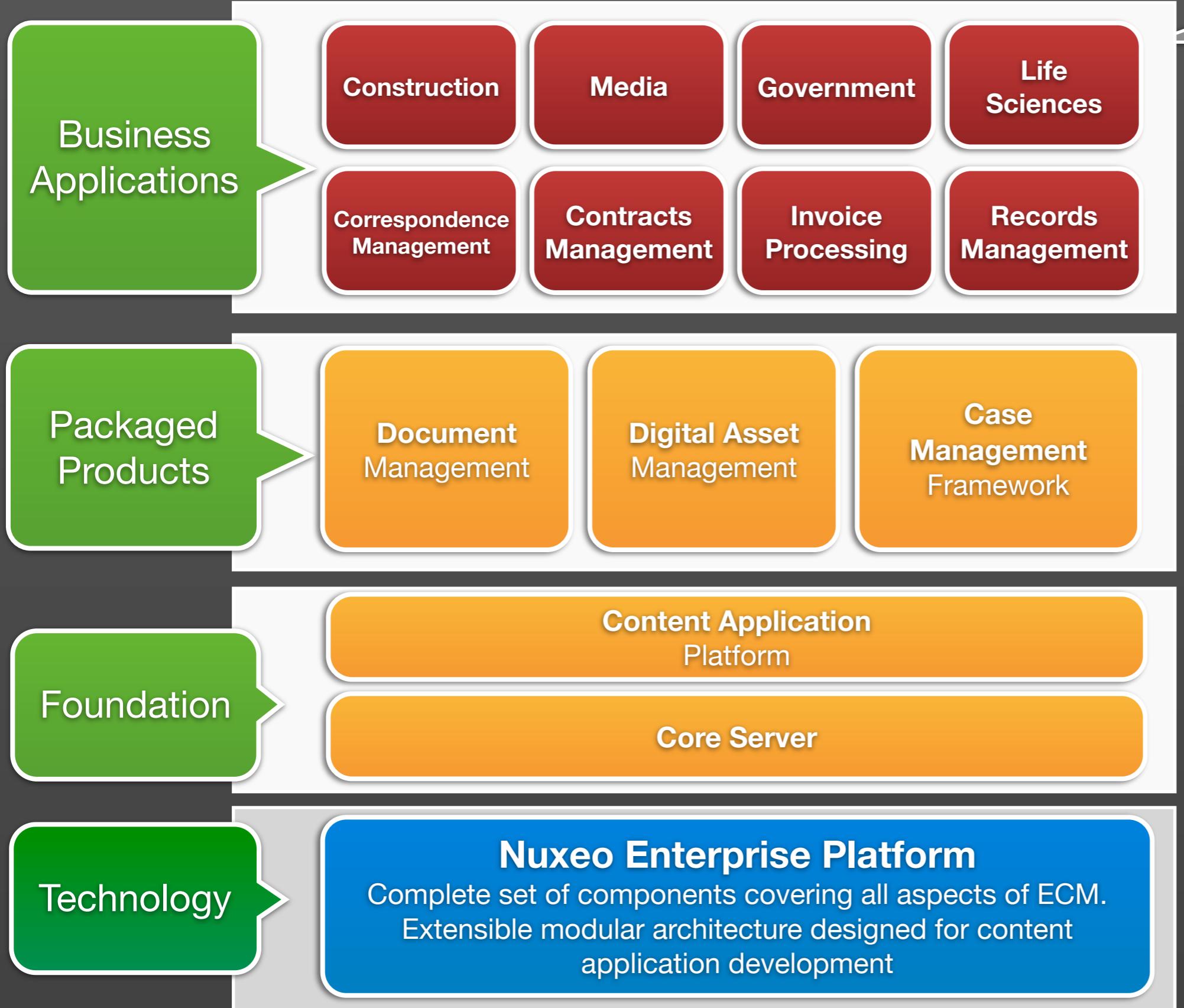
Building Applications

Nuxeo Connect
Subscription

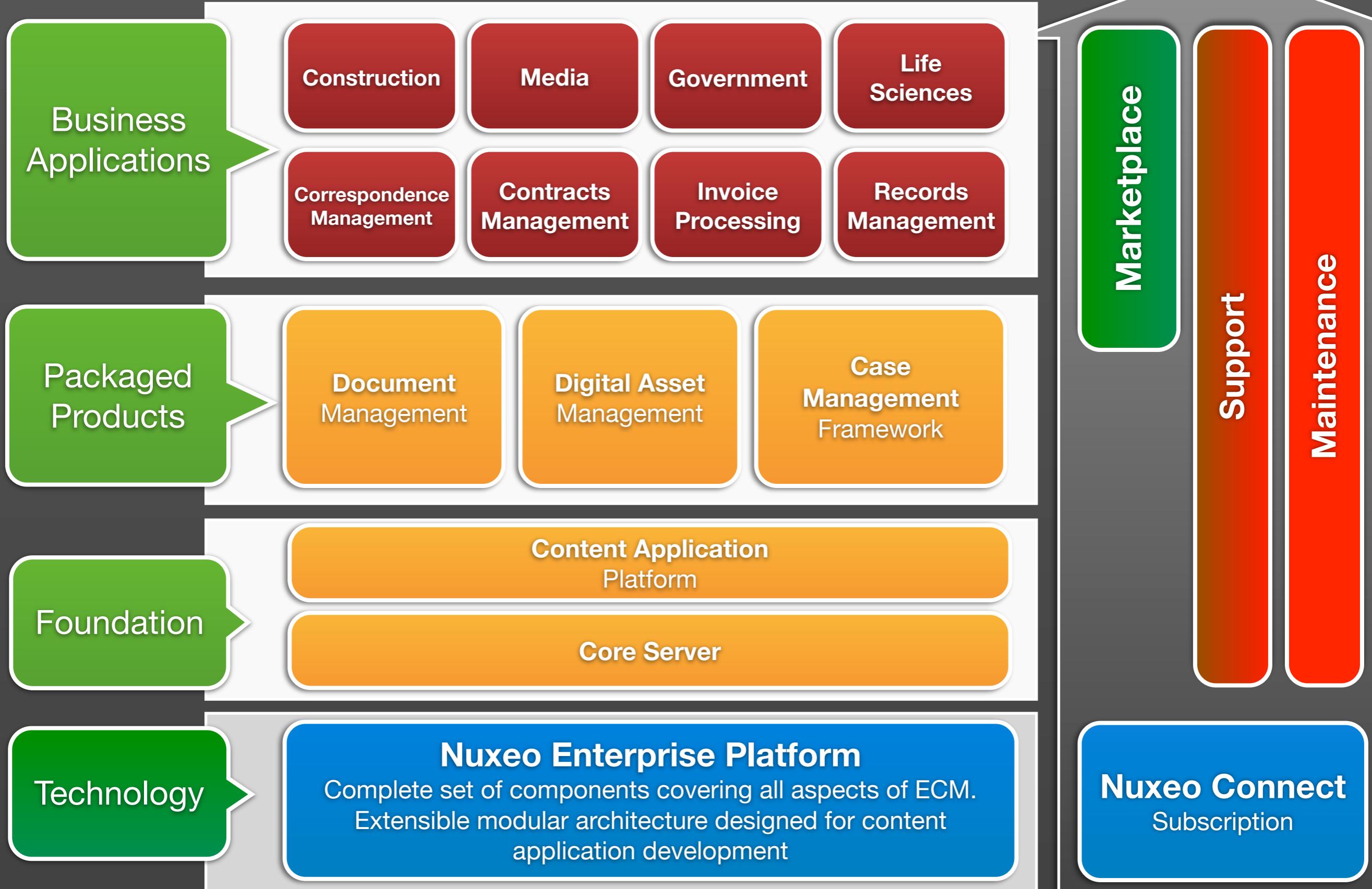
Nuxeo ECM - Our Approach



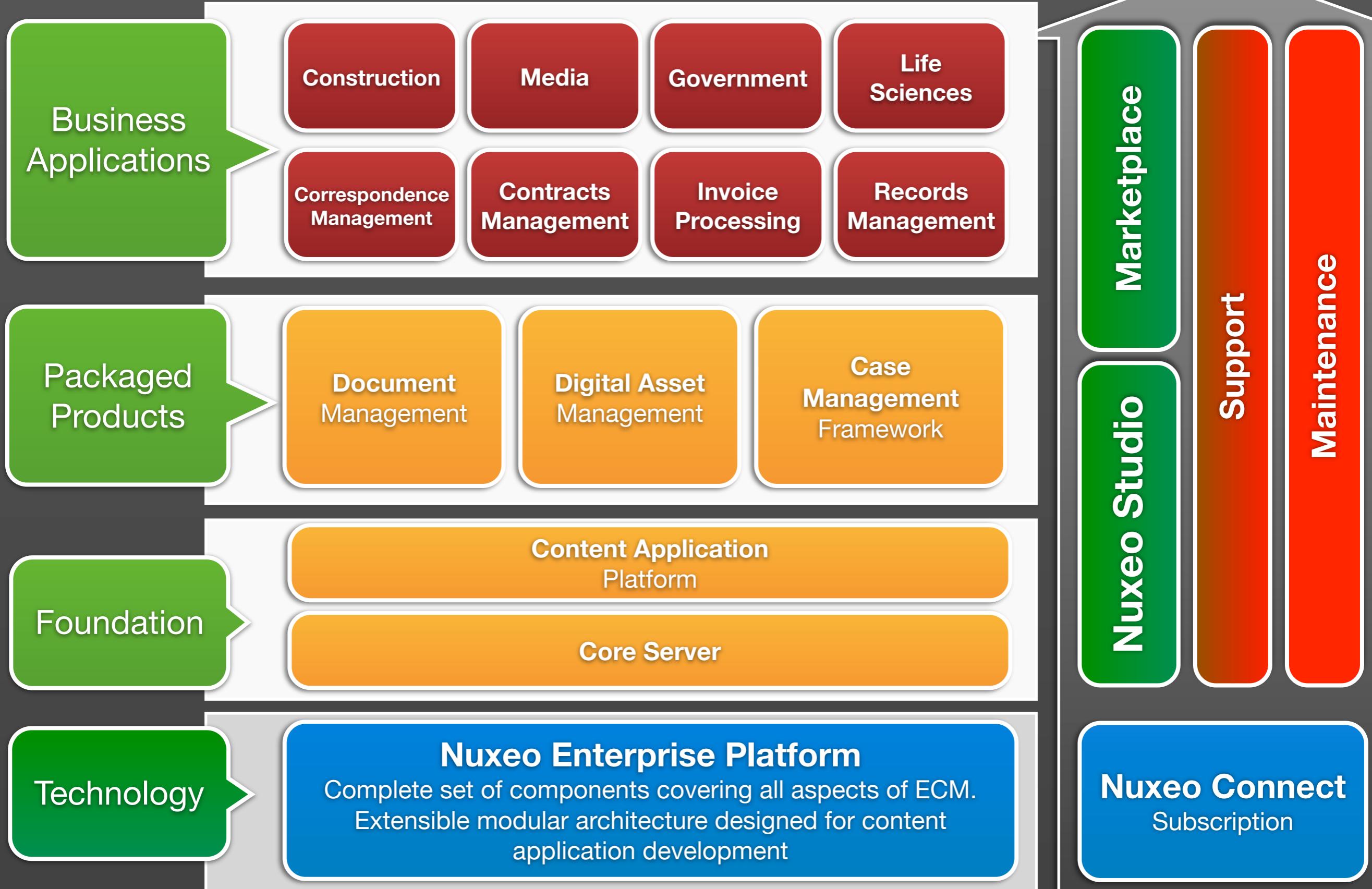
Nuxeo ECM - Our Approach



Nuxeo ECM - Our Approach



Nuxeo ECM - Our Approach



Document Management

The screenshot shows the Nuxeo 5 EP Workspaces interface. The browser title bar reads "Nuxeo 5 EP:Workspaces - Mozilla Firefox". The address bar shows the URL "http://127.0.0.1:8080/nuxeo/nxdoc/default/18cbe7ca-9c57-4e96-b247-f559823b808". The page title is "nuxeo • EP". The left sidebar shows a tree view of the "Default domain" structure, including "Sections", "Templates", and "Workspaces" (which contains "FunkLoad Test Space", "wikis", "WS1", and "WS2"). A "Mes documents" section indicates "Aucun document dans la sélection.". The main content area is titled "Workspaces" and shows a table of existing workspaces:

	Titre	Dernière modification	Auteur	Cycle de vie
1	FunkLoad Test Space	06/10/08 20:57	Administrator	En projet
2	wikis	03/11/08 15:40	Administrator	En projet
3	WS1	06/10/08 13:00	Administrator	En projet
4	WS2	05/11/08 17:41	Administrator	En projet

Buttons at the bottom of the workspace list include "Coller", "Supprimer", "Copier", and "Ajouter à mon lot de documents". A "RSS | ATOM" link is also present.

At the bottom of the page, there is a footer with links to "Copyright© 2006-2008 Nuxeo. Visit [nuxeo.com](#) | Get support | Join the community", a language selection dropdown set to "français", and a "Changer" button. There is also a search bar with the text "Rechercher : 360", navigation buttons for "Précédent" and "Suivant", and a "Surligner tout" checkbox. A status message "Transfert completed" is visible in the bottom right corner.

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DAM

nuxeo • DAM

Import Administration | Log out

Clear filters

Keywords

- David Blakie
- Library
 - All documents
 - Office file
 - Image
 - Video
 - Audio

Topic

- Art
- Human science
- Society
- Daily life
- Technology

Coverage

- Europe
- Africa
- North America
- South America
- Asia
- Australia/Oceania
- Antarctica

240497...61f3_o by David Blakie size 233 KB

240497...fcbl_o by David Blakie size 240 KB

241388...f5c2_o by David Blakie size 311 KB

242260...57e4_o by David Blakie size 340 KB

242751...578c_o by David Blakie size 234 KB

261939...4a63_o by David Blakie size 302 KB

262172...2d50_o by David Blakie size 702 KB

270405...f8d8_o by David Blakie size 149 KB

282283...3738_o by David Blakie size 322 KB

282302...f31a_o by David Blakie size 277 KB

282455...0fa5_o by David Blakie size 376 KB

282539...8950_o by David Blakie size 480 KB

282937...b9ae_o by David Blakie size 419 KB

283247...a4dd_o by David Blakie size 353 KB

Pencils by David Blakie creation 11/3/09 size 354 KB

Information IP rights Export

Pencils

Main data

Description	4763565433df55.jpg
Author of assets	David Blakie
Authoring date of assets	11/3/09
Topic	Society/
Coverage	Australia/Oceania/
Expiration date	
Size	354 KB
Height	685
Width	1024

Comments (1) Add

DOF

IPTC

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Case Management

The screenshot shows a Mozilla Firefox browser window displaying the Bannette DG (IRSN) application. The title bar reads "Bannette DG (IRSN) - Mozilla Firefox". The address bar shows the URL: "http://localhost:8080/nuxeo/nxdoc/default/9988d24d-b7f6-4824-815e-eac58eddd2a2/mailbox_view?conversationId=0N0MAIN&tabId=TAB_CONTENT&subTabId=". The page content is titled "Bannette DG (IRSN)" and shows an email inbox under the "Réception" tab. The inbox lists 15 incoming emails from various senders, including IRSN, FARNELL, and CEA/SACLAY, with subjects ranging from transport rate changes to project invitations. On the left sidebar, there are sections for "Mes bannières", "Mes plans de classements", "Liens rapides", and "Ma sélection". The bottom status bar shows the date and time as "28 Nov 2008 12:57".

T	De	Objet	A	Envoyeur(s)	Référence expéditeur	Reçu le
A	Cellule courrier	Changement de tarif pour les frais de transport.		marc-berdah	Erwin Van den Bogaert, PerkinElmer S.A.S.	26/11/08 17:11
A	Cellule courrier	Accusé réception de la commande n° B09/11096141.		jean-luc-pasquier	Ophélie HODRNAERT OSYRIS INDUSTRIEL	B09/13096141 26/11/08 17:10
A	Cellule courrier	Achat de licences pour FIRSN/DPAM/DIR suivant le devis DWSC/14398 du 02/10/08.		marc-berdah	? CS SI	REFERENCE COMMANDE : M09/11095758 26/11/08 17:10
A	Cellule courrier	Le présent marché a pour objet de définir les conditions selon lesquelles l'IRSN confie au Titulaire, qui accepte, la réalisation de l'optimisation de la régulation des débits brûches sur la pression enceinte et l'optimisation du module CPA par OPEN MP.		marc-berdah	Madame Armelle FOURCOT CS COMMUNICATION SYSTEMES	21004867 26/11/08 17:09
A	Cellule courrier	Relèvement de compte au 31/10/08.		marc-berdah	FARNELL	T96801 26/11/08 17:09
A	Cellule courrier	Démantèlement du réacteur PHÉBUS.		marc-berdah	Jacques REPUSSARD IRSN/56	IRSN/DIR/2008-448 26/11/08 17:09
A	Cellule courrier	Forum des métiers en sciences et techniques du nucléaire.		IRSN/DG	Laurent TURPIN CEA/SACLAY	INSTN/IRB 153-06 26/11/08 15:22
A	Cellule courrier	Modalités et critères de déclaration des événements significatifs impliquant la radioprotection pour les installations nucléaires de base		IRSN/DG	L'ingénieur des mines chargé de la démine sous-direction - M. Marc STOLTZ DGSNR/PARIS	DEF-SD4-0077-2006 26/11/08 15:22
A	Cellule courrier	Budget de référence 2007 de l'accord CEA EDF IRSN		IRSN/DG	DIRECTEUR ADJOINT - M. patrick ARONDEL CENSACLAY - DIRECTION DU SOUTIEN NUCLÉAIRE INDUSTRIEL	CENDEN/DSNUVOIR DO 79 26/11/08 15:22
A	Cellule courrier	Note répondant à une demande faite en décembre 2007 concernant la " Valorisation du code SYLVIA".		IRSN/DG	Michel BOUVET IRSN/DSDR	DSDRE/DIR2008 - 303 26/11/08 15:22
A	Cellule courrier	Our difficulty in participating in Source Term Program.		IRSN/DG	President - M. Hideki Narai	Contrôle n°2345878 26/11/08 15:22
A	Cellule courrier	Forum des métiers en sciences et techniques du nucléaire.		IRSN/DG	M. Laurent TURPIN CENSACLACENSACLAY-INSTN	INSTN/IRB 153-06 26/11/08 15:22
A	Cellule courrier	Chef du Projet		IRSN/DG	Adjoint au directeur - M. LEFEVBRE CEA/SACLAY	CENDEN/GEHIR DO 100 26/11/08 15:22
A	Cellule courrier	Invitation a meeting of the ASAT Advisory Board in the second half of March 2006.		IRSN/DG	M. EL-SHANAWANY IAEA	DEF-SD4-0077-2006 26/11/08 15:22
A	Cellule courrier	Participants pour le CFS 2006.		IRSN/DG	Administrateur Général Adjoint - M. Jean Pierre LE ROUX CEN/FRANC	DGSNR/USD3/0358/2006 26/11/08 15:22
A	Cellule courrier	Projet de décret relatif aux enquêtes techniques sur les accidents ou les incidents concernant une activité nucléaire.		IRSN/DG	J. L CHAUME Ministre de L'Economie	DEF-SD4 - 0968 - 2006 26/11/08 15:22
A	Cellule courrier	Méthodologies d'assainissement complet acceptables.		IRSN/DG	M. Jean-Luc LACHAUME DGSNR/FAR	DGSNR/USD3/0358/2006 26/11/08 15:22

Web Sites

The screenshot shows the homepage of the Agence France-Presse (AFP) website. The top navigation bar includes links for English, Arabic, Deutsch, Español, and Português. A timestamp indicates the page was last updated on November 27, 2008, at 11:56. A search bar is present with a 'Rechercher' button and an 'OK' button.

The main header features the AFP logo and the tagline "comprendre le monde" (understanding the world). Below the header, there's a sidebar with sections for "Votre activité" (listing Web, Mobile, Presse écrite, Télévision & Radio, Entreprises & Institutions), "Nos savoir-faire" (listing Texte, Photo, Vidéo, Infographie, Multimédia), "Thématisques" (listing Actualité internationale, Politique, Environnement, Economie - Finances, Lifestyle, Sport), and "Agence France-Presse" (listing Quel de neuf !, Qui sommes-nous ?, Rôles, Fondation AFP, Partenaires, Contactez l'AFP, Newsletter).

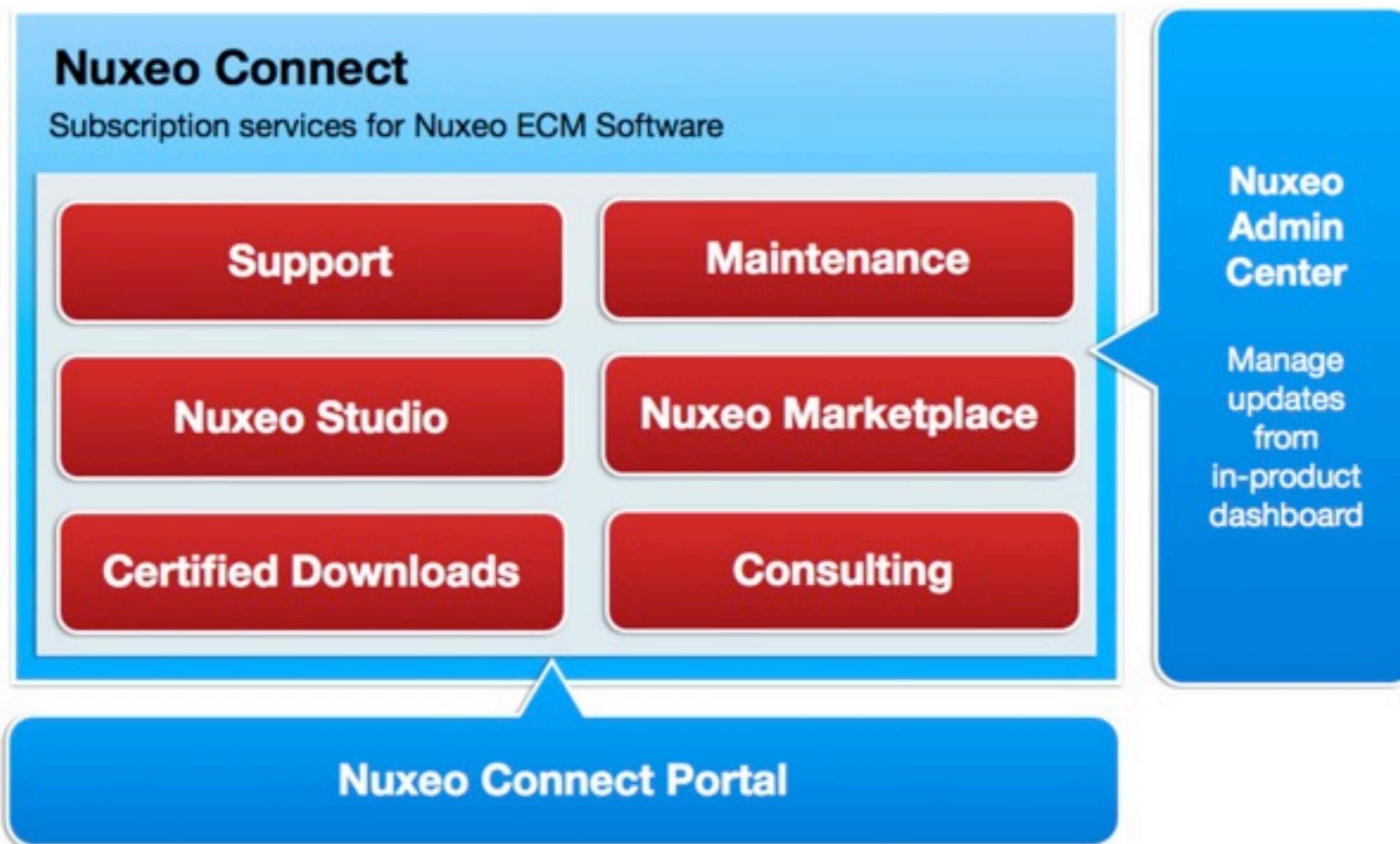
A large central banner for "L'infographie" (Illustrer l'actualité autrement) features a soccer field with players labeled HUNNUKU, SCHWEINSTEIGER, and RICARDO. Below this, a section titled "Votre activité" highlights "AFP-Direct, une solution d'accès aux services texte de l'AFP". It includes a video thumbnail showing a newsroom and a button labeled "VOIR LE PRODUIT EN DIRECT". Another section below shows a close-up of a smartphone screen displaying the word "Texte".

On the right side, there's a login form for "Identifiez-vous" (Identify yourself) with fields for "ID-client ou prescripteur" and "Mot de passe" (password), and a "Contactez l'AFP" link. There are also two image thumbnails: one for "La Une" (The Headline) showing a building with a dome, and another for "Reproductions et pasters" (Reproductions and pasters) showing a person wearing a sombrero.

A Few Numbers

- Nuxeo EP+DM is a 400 KLOC Java project
- Comprises ~190 independent modules (JARs)
- Developed over the last 4 1/2 years by a core team of 20 developers and 50 community contributors
- Has generated ~20 MEUR of revenue for Nuxeo, ~50 MEUR for partners

Our Service Offer



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Three SLA levels

Nuxeo Connect – Operations	Silver	Gold	Platinum
Hours	Business hours	Business hours	24/7
Contacts	1	2	5
Critical Bug Fixing	Unlimited	Unlimited	Unlimited
Major Bug Fixing	No	Unlimited	Unlimited
Questions	Unlimited	Unlimited	Unlimited
Custom Release	No	No	Yes
Critical Bug Fixing Time	3 business days	1 business day	4 business hours
Major Bug Fixing Time	No	5 business days	1 business day
Response Time for Questions	2 business days	1 business day	4 business hours

Nuxeo Studio

nuxeo • Studio

You signed in as Alain | Sign Out | Projects | Help | Forums | Send feedback | About

DocumentationManagement

- Application Settings
- Versioning
- Resources
- Advanced Settings
- Global Settings
 - Branding
 - Search Form
- User Actions
- Automation Chains
- Content Templates
- Schemas
- Documents
- Event Handlers
- Life Cycles
 - DocumentLifecycle
 - Permissions
 - Virtual Navigations
 - Vocabularies
 - Extensions

Reset Save

Life Cycle: DocumentLifecycle

Design here a new lifecycle ... [More](#)

Initial State State Remove All

```
graph TD; draft((draft)) -- validate --> valid((valid)); draft -- archive --> archived((archived)); valid -- validate --> revision((revision)); valid -- validate --> deleted((deleted)); deleted -- validate --> valid; valid -- archive --> archived;
```

Business Constraints and Requirements

Business Vision

- 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, designed for participation

Business Vision

- Low barrier of entry for:
 - End-users (e.g. pleasant UI)
 - Developers (e.g. clean model and API, leverage existing knowledge)
 - Sysadmins / operations
- “Enterprise-class” software
 - 10 000s of users, millions of documents

Our Original Roadmap

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

Technical Challenges

Business Goals

- First, create a **MVP** (minimal viable product) to ensure company sustainability
- Base it on a clean, **extensible** architecture
- With the end goal of enabling the creation of a rich **ecosystem** of extensions and application profiles

The Strongest Requirement

- Applications (horizontal, vertical or custom) must be buildable just by **assembling components** (packaged as Java JARs)
- Architecture must allow behavior modification at the repository level (e.g. new document type), at the UI level (e.g. new actions), and at the service level (e.g. adding new services) **without recompilation**

Standards Choice

- Switch to Java was motivated by the desire to be more “standards-compliant”
- But the problem with standards, is that there are too many to choose from!
- Old vs. new or emerging
- Open standards vs. de facto standards
- Overlapping standards (hardest issue!)

Initial Standards

- Java EE 5, as the structuring general framework for the server-based application (but not for the core services)
- OSGi, as a packaging model for components
- The JCR (Java Content Repository), as the model API to manage content and metadata at the most basic level
- JBoss Seam (not really a standard, actually)

Notes

- Java EE 5 was really new and still “wet” at the time
- Seam was not a standard, but its concepts eventually merged into one (JCDI)
- In 2006 OSGi had credibility in the embedded and rich client spaces, not yet on the server
- We dropped JCR support in 2010

Open Source Libraries

- The Open Source Java ecosystem started to grow in the late 90s (Apache) and had a huge boost in the early 00s (Eclipse, JBoss, OW2, etc.)
- Like with standards, there are usually many OSS implementations to choose from
- FYI: Nuxeo EP now embeds more than 200 external open source libraries!

Choosing an OSS Library

- License compatibility with the LGPL (this excludes proprietary and GPL licenses)
- Compliance to a chosen standard
- Quality, as witnessed by visual inspection of the source code
- Confidence in the development process (e.g. are there unit tests?) and the community behind the project

Benefits and Challenges of Using OSS Libraries

- With OSS, it's easier to evaluate options
- Forking a library is sometimes the only way to fix a bug or add a missing functionality
- But it comes with a tremendous price because now you have to maintain your own branch
- Becoming a contributor is also sometimes needed, but comes at a price too
- Risk of “JAR hell” (conflicting libraries reqs)

Architectural Solutions

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Architectural Solutions

- Layered architecture
- High-level APIs
- Component system
- Extension points

Layer Cake

Nuxeo EP Architecture

Nuxeo UI Frameworks

Flexible choice of interfaces

Nuxeo ECM Services

Modular set of content services

Nuxeo Core

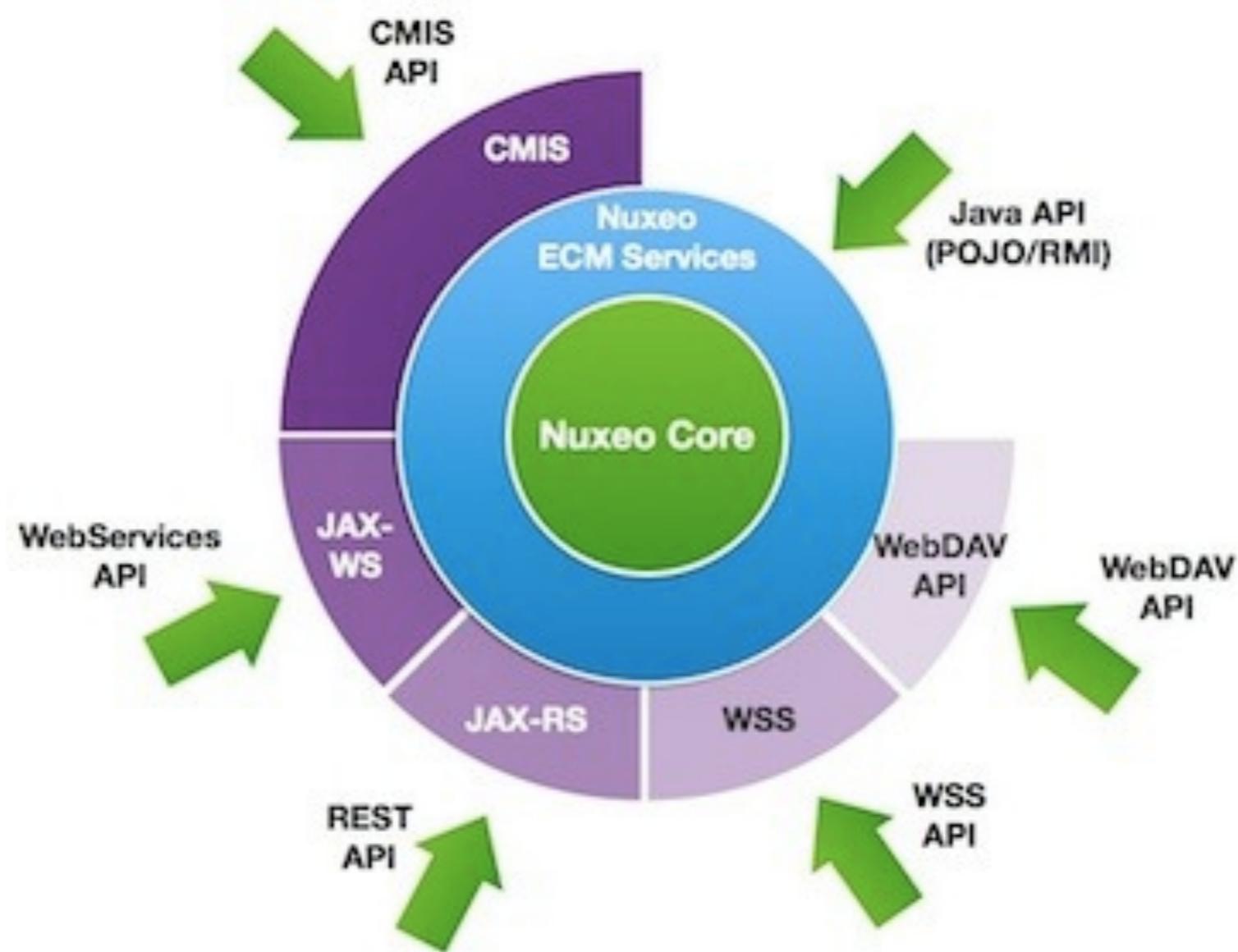
Advanced content repository

Nuxeo Runtime

Component and service model

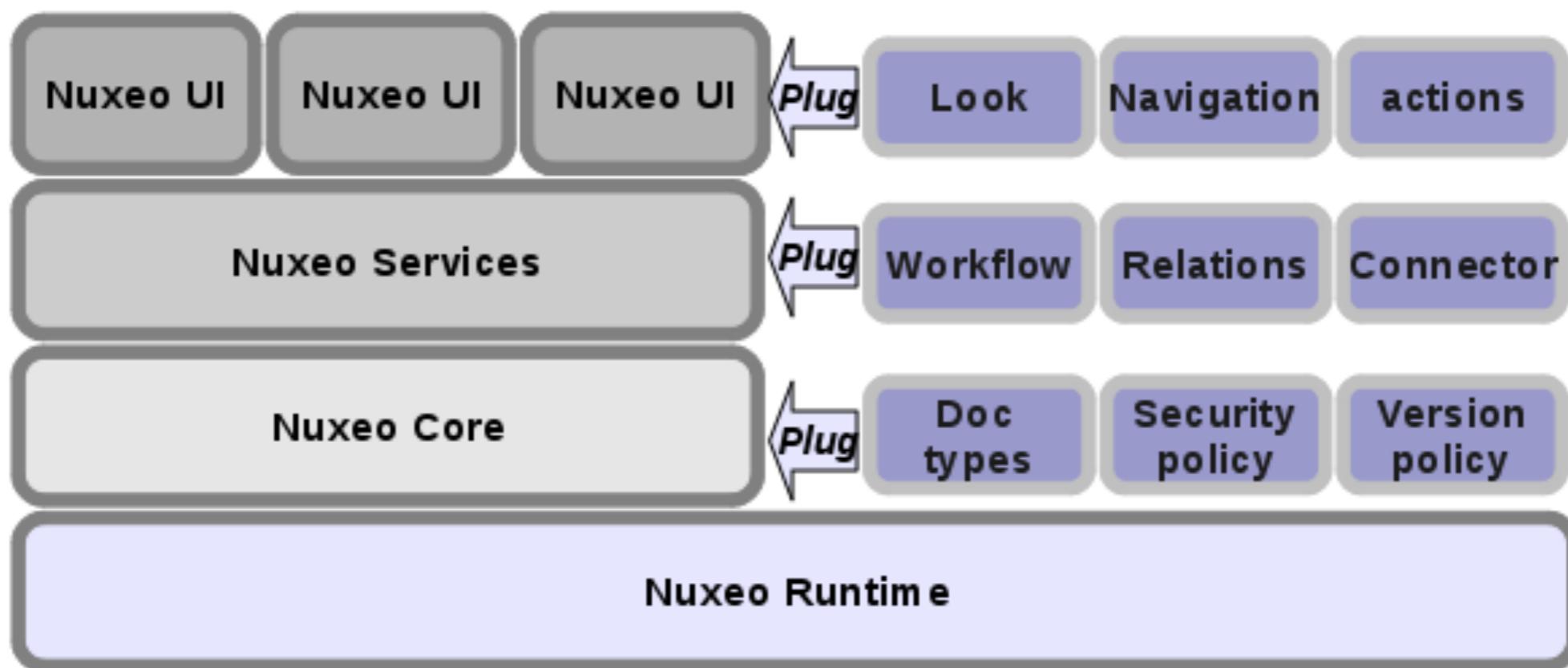
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APIs



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Everything Pluggable

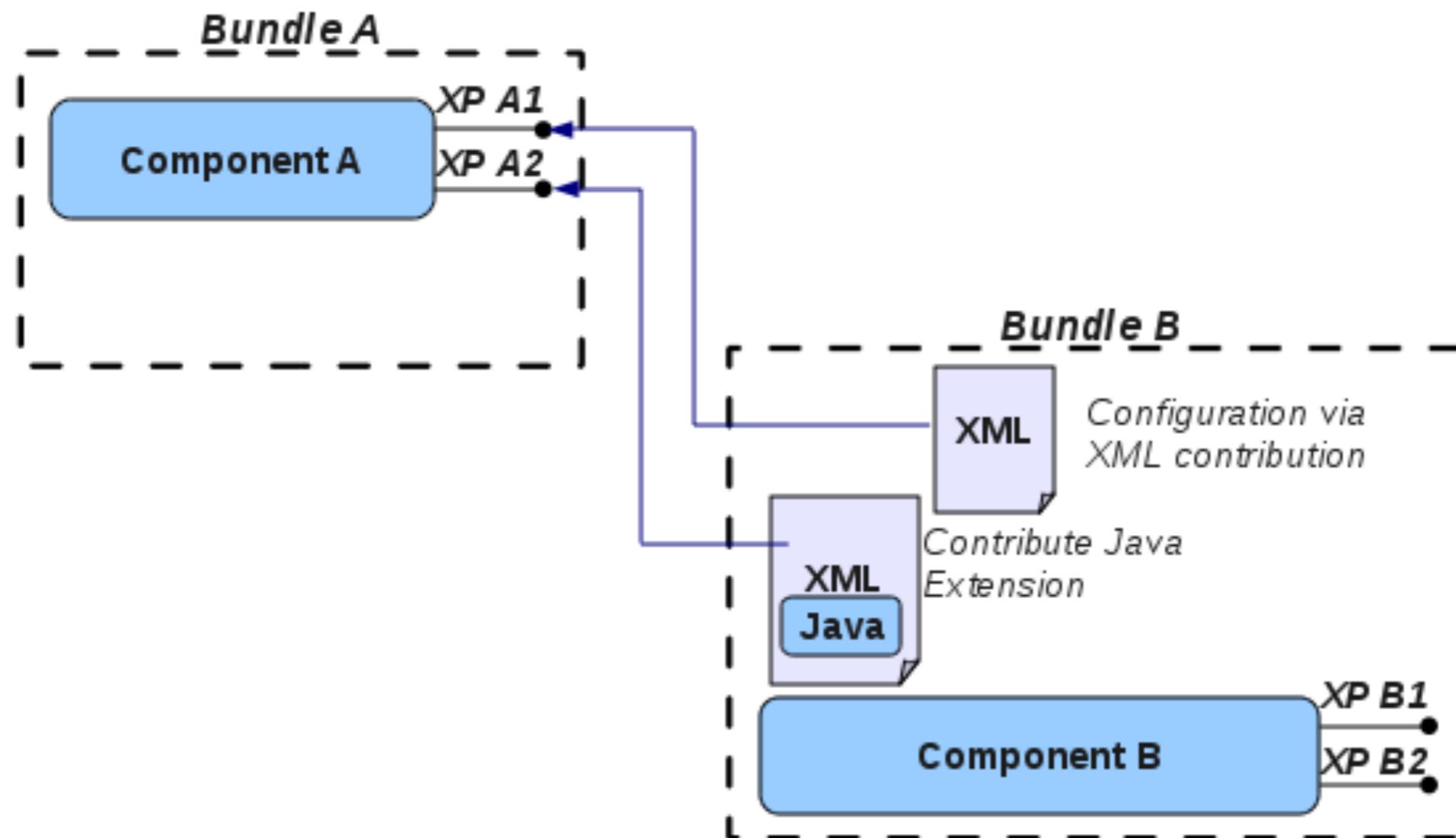


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Plugins and Extension Points

- Inspired by the Eclipse architecture
- Eclipse = a core runtime engine + a set of plugins
- Plugin: the smallest extensible unit to contribute additional functions to the system
- Extension points: boundaries between plug-ins
- A plugin (bundle) can contribute either configuration (pure XML contribution) or code (XML + Java)

Plugins and Extension Points



Note

- This “core + extensions” pattern is very common in successful open source projects
 - Linux kernel + drivers (modules)
 - Firefox + plugins
 - Emacs + Emacs LISP macros
- It’s a key to enabling an architecture of participation

Lessons Learned

- Allow users of our platform to extend it without touching its source code
- Or, even better, without writing code at all!
- Keep your options open, but don't over-engineer flexibility

Process

WE NEED
THREE MORE
PROGRAM-
MERS.



USE
AGILE
PROGRAM-
MING
METHODS.



www.dilbert.com scottadams@aol.com

AGILE PROGRAMMING
DOESN'T JUST MEAN
DOING MORE WORK
WITH FEWER PEOPLE.



11-6-05 © 2005 Scott Adams, Inc./Dist. by UFS, Inc.

FIND ME SOME
WORDS THAT DO
MEAN THAT AND
ASK AGAIN.



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XP Practices

(2001-2007)

Customer
Tests

Whole
Team

Coding
Standard

Planning
Game

Test-Driven
Development

Refactoring

Simple
Design

Sustainable
Pace

Pair
Programming

Continuous
Integration

Metaphor

Small
Releases

EXTREME PROGRAMMING

I CAN'T GIVE YOU
ALL OF THESE
FEATURES IN THE
FIRST VERSION.



AND EACH FEATURE
NEEDS TO HAVE
WHAT WE CALL A
"USER STORY."



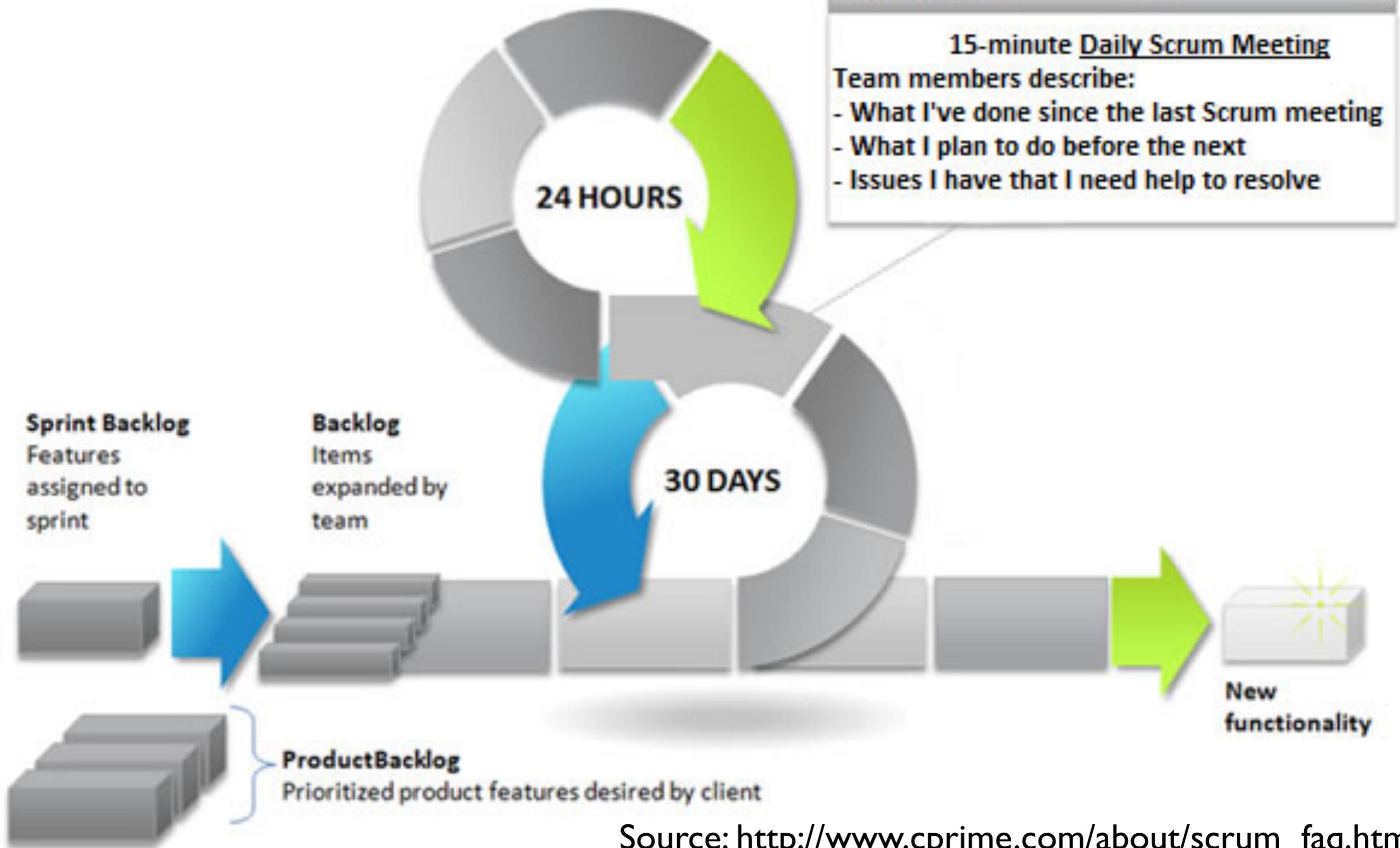
OKAY, HERE'S A
STORY: YOU GIVE
ME ALL OF MY
FEATURES OR I'LL
RUIN YOUR LIFE.



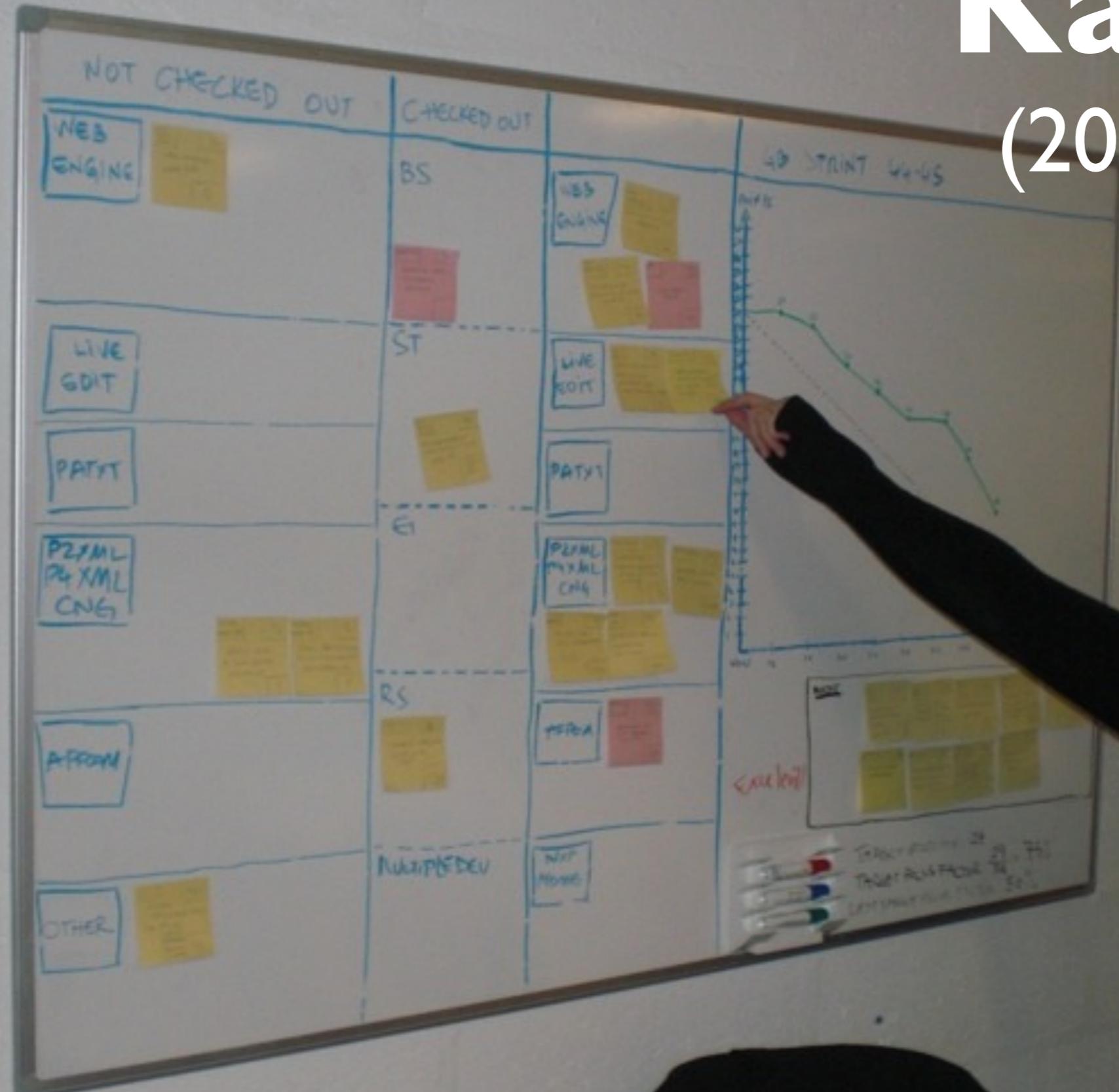
Copyright © 2003 United Feature Syndicate, Inc.

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SCRUM PROCESS (2008-2009)



Kanban (2010-2011)



Community Engagement

Goals

- Must enable the participation of third party **contributors** (partners, community)
- Must improve synchronization between **custom** developments and **F/OSS** projects
- Must complement **internal focussed** agile development processes with **scalable outbound** communication and practices

“Every successful open source project I know uses **PRIM**. Every closed source project I know, doesn't. People wonder how open source projects manage to create high-quality products without managers or accountability. The answer: we're accountable to our infrastructure. **PRIM is the open source secret sauce.**”

Ted Husted <http://jroller.com/TedHusted/entry/prim>

P = Portal



Welcome to the Nuxeo Community!

Nuxeo is an Open Source Platform for Enterprise Content Management enabling architects and developers to build, deploy and run the best **content-driven applications** in an **easy way**.

Nuxeo applications can be configured with no programming experience, and extended using **standard Java EE technologies**.

Recent Community Activity

- Re: Help for newbie / Aide pour debutant
New reply on the forum, by C3-PRO about 1 hour ago

- Navigation to specific page
New thread on the forum, by Jérôme about 3 hours ago

- 1 ago

- 1 ago

- 1 ago

Nuxeo Documentation Center Home

Added by Stefane Fermigier, last edited by Florent Guillaume on Feb 09, 2011 (view change)

Welcome to the Nuxeo Documentation Center, Nuxeo from A to Z

About Nuxeo: Nuxeo is the open source Enterprise Content Management (ECM) software company that offers a complete range of content-oriented applications.

Extensible, configurable and modular, Nuxeo Enterprise Platform (EP) is the foundation of the Nuxeo product family. Composed of **Nuxeo Document Management** (DM) for content management, **Nuxeo Digital Asset Management** (DAM) for rich media content management (including images, audio, and video), and **Nuxeo Case Management Framework** (CMF) for case management, the Nuxeo ECM applications can be used as-is or as a base for more specific business applications.

To help customers make the customization of their applications easier, the **Nuxeo Marketplace** provides plugins and addons, and **Nuxeo Studio**, our online customization and configuration tool, enable users to customize their application in a few clicks. Both services are included in **Nuxeo Connect** subscription offer.

Map to the documentation

The links below are the main entry points to the Nuxeo online documentation.

Get Started

Join the Conversation

- 1436 subscribers**
Subscribe via RSS

- 682 followers**
Follow @nuxeo on Twitter

- 502 members**
Join the Nuxeo group on LinkedIn

Download Nuxeo Software

- nuxeo • DM - Document Management**

- nuxeo • DAM - Digital Asset**

Planet Nuxeo

News from the Open Source ECM trenches

February 22, 2010

Stefane Fermigier's Nuxeo Blog

○ Meet us at Solutions Linux in March, too

Solutions Linux is the oldest and biggest trade show in France dedicated to the open source ecosystem. It's been happening every year in Paris since 1999 (it was called "Linux Expo", back then).

This year, Solutions Linux is happening at exactly the same time as Documentation and OSBC, and we're spread thin between all these exciting events, but some of us will be hanging around Solutions Linux:

- Olivier Grisel will give a presentation on "Large Scale data crunching with Hadoop MapReduce et Clojure" during the conferences' "developer track"
- I will co-chair the same developer track
- I will also take part in a roundtable on how the public and private sectors can work together to develop better software and content for the education system

Want to book an appointment with me during Solutions Linux? Drop me a mail: sf@nuxeo.com.

by Stefane Fermigier at February 22, 2010 06:59 PM

February 19, 2010

Cheryl's Nuxeo Blog

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Last updated:
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About Us

We're the friendly employees of Nuxeo, a leading open source software vendor, which develops a complete Enterprise Content Management (ECM) software platform to help companies better produce, process, publish, archive, expose and find their information from digital assets to transactional documents.

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DISCOVER OUR PRODUCTS

Open Source ECM

R = Repository

Repositories list

Name	Description
addons	Nuxeo Addons
addons/nuxeo-core-folder-versioning	Nuxeo Core Folder Versioning
addons/nuxeo-correspondence-marianne	Nuxeo Correspondance Mariane
addons/nuxeo-features-page-layout	Nuxeo Features Page Layout
addons/nuxeo-generic-wss-handler	Nuxeo Generic WSS Handler
addons/nuxeo-http-client	Nuxeo HTTP Client
addons/nuxeo-platform-annotations	Nuxeo Platform Annotation service addon
addons/nuxeo-platform-archive	Nuxeo Platform Archive service addon
addons/nuxeo-platform-archive-importer	Nuxeo Platform Archive Importer plugin
addons/nuxeo-platform-audio	Nuxeo Platform Audio Addon
addons/nuxeo-platform-audit-web-access	Nuxeo Platform Audit Web Access
addons/nuxeo-platform-categorization	Nuxeo Automated Document Categorization: framework and service
addons/nuxeo-platform-categorization/nuxeo-platform-categorization-coverage	Nuxeo Automated Document Categorization: dc:coverage model
addons/nuxeo-platform-categorization/nuxeo-platform-categorization-language	Nuxeo Automated Document Categorization: dc:language model
addons/nuxeo-platform-categorization/nuxeo-platform-categorization-subjects	Nuxeo Automated Document Categorization: dc:subjects model
addons/nuxeo-platform-document-categorization	Nuxeo Automated Document Categorization
addons/nuxeo-platform-documentLink	Application Level document proxies for Nuxeo5

Mercurial

Contact	Last change	zip	RSS	Atom
Florent Guillaume <fg@nuxeo.com>	2 weeks ago	zip	RSS	Atom
Florent Guillaume <fg@nuxeo.com>	12 months ago	zip	RSS	Atom

github SOCIAL CODING

nuxeo (Nuxeo)

Name	Nuxeo	8	14
Email	contact@nuxeo.com	public repos	Members
Website/Blog	http://www.nuxeo.org/		
Location	Paris		
Member Since	Oct 30, 2010		

Public Repositories (8)

	Filter repositories...
 nuxeo-compatible-one	Python 1 1
Last updated about 21 hours ago	
all commits commits by owner 52 week participation	
 FunkLoad	Python 16 3
Functional and load testing framework for web applications, written in Python	
Last updated 1 day ago	

Organization Members (14)

 akervern (Arnaud Kervern)
0 public repos, 1 followers
 atchertchian
0 public repos, 0 followers
 bdelbosc (Delbosc Benoit)
0 public repos, 0 followers
 bjalon (Benjamin JALON)
1 public repos, 3 followers
 ebarroca (Eric Barroca)
0 public repos, 0 followers

Nuxeo
Open Source ECM

I = Issue Tracker

nuxeo • Open Source ECM Stéfane Fermigier Filters ▾ Log Out

HOME BROWSE PROJECT FIND ISSUES CREATE NEW ISSUE ADMINISTRATION QUICK SEARCH:

All Projects : Nuxeo Enterprise Platform (Key: NXP)

Project Lead: [Thierry Delprat](#)
URL: <http://www.nuxeo.org/>

[Create a new issue in project Nuxeo Enterprise Platform](#)
[Administer Project](#)
[Release Notes](#)

Select: [Open Issues](#) [Road Map](#) [Change Log](#) [Popular Issues](#) [Labels](#) [Versions](#) [Components](#)

Components
(with open issues in each component)

Audit	5	5.1.7	28
Comments	3	5.2 GA SP1	1
Core	18	5.2.1.0	2
Core JCR Storage	3	5.3 GA	3
Core SQL Storage	19	5.3.1	63
Desktop Integration	4	5.3.2	2
Directory	9	5.3.x	206
Flex	3	6.0	5
Installers / Admin tools	27	Unscheduled	334
Notifications	2		
Packaging	5		
Relation Engine	1		
Runtime	7		
Search / Query	9		
Security	7		
Tagging	3		
Transforms	4		
Web Foundations	7		
Web UI	25		

Versions
(with open issues due to be fixed per version)

5	5.1.7	28
3	5.2 GA SP1	1
18	5.2.1.0	2
3	5.3 GA	3
19	5.3.1	63
4	5.3.2	2
9	5.3.x	206
3	6.0	5
27	Unscheduled	334

Reports

[Recently Created Issues Report](#)
[Created vs Resolved Issues Report](#)
[Resolution Time Report](#)
[Average Age Report](#)
[Pie Chart Report](#)
[SUPNXP issues over time](#)
[SUPNXP issues by projects](#)
[User Workload Report](#)
[Version Workload Report](#)
[Time Tracking Report](#)
[Single Level Group By Report](#)

Preset Filters

- [All](#) - [Resolved recently](#)
- [Outstanding](#) - [Added recently](#)
- [Unscheduled](#) - [Updated recently](#)
- [Assigned to me](#) - [Most important](#)
- [Reported by me](#)

Project Summary

Open	186	4%
In Progress	11	
Reopened	12	
Resolved	2783	61%
Closed	1153	25%
Triage	427	9%

Open Issues

By Priority

Blocker	6	1%
Critical	20	3%

M = Mailing List (+ forum)

The screenshot shows a Mac OS X desktop with two windows open. The top window is a Mail application titled "All Mailboxes (Found 10431 matches for search)". It displays a list of messages with columns for From, Subject, Date Received, and Mailbox. A search bar at the top right shows "Q [ecm]". The bottom window is a web browser displaying the Nuxeo community forum. The URL is "http://community.nuxeo.org/forums/thread/164". The page title is "Forum: General Discussions". It shows a list of threads with columns for Thread, Author, Views, Replies, and Last Post. Threads include topics like "Search can't find short words", "remove tabs", and "Sharepoint WSS behind Apache reverse proxy". On the right side of the forum page, there are sidebar sections for "Search Forum", "Top Users in Forum", and "Popular Discussions".

Open Innovation Collaborative R&D Projects

- EDOS: software quality in open source projects
- SCRIBO and IKS: semantic technologies
- Compatible One: cloud computing
- Easy SOA:
- DORM: development tools

Development Tools

Tools

- Mercurial (distributed SCM), now Git
- Maven (Dependency management, build, packaging, releasing)
- ~~Hudson~~ Jenkins (Continuous integration)
- Jira (Bug / task tracking, Scrum iteration backlogs)

TDD and CI

Hudson

search [?](#) [Help](#)

ENABLE AUTO R

[People](#)

[Build History](#)

[Project Relationship](#)

[Check File Fingerprint](#)

[Leader board](#)

[Claim Report](#)

Build Queue
No builds in the queue.

Build Executor Status

#	Master
1	Idle
2	Idle
	albany
1	Idle
	amour
1	Building nuxeo-docs-nightly #294
	chipolata
1	Building FT-nuxeo-5.4-selenium-cap-tomcat #34
	dvalinn
1	Idle
	gimli
1	Idle
	joyeux
1	Idle
	muradin
1	Idle

All CMIS Desktop-Int My Projects NX 5.2 NX 5.2 Addons NX 5.3 NX 5.3 Addons **NX 5.4** NX 5.4 addons NX DAM NX Deployer

S	W	Job ↓	Last Success
		FT-nuxeo-5.4-cmis	2 mo 9 days (#133)
		FT-nuxeo-5.4-funkload-bench	17 hr (#727)
		FT-nuxeo-5.4-funkload-rest-and-web	18 min (#1980)
		FT-nuxeo-5.4-selenium-cap-jboss	7 hr 56 min (#432)
		FT-nuxeo-5.4-selenium-cap-tomcat	8 hr 22 min (#33)
		FT-nuxeo-5.4-selenium-dm-jboss	7 hr 27 min (#1815)
		FT-nuxeo-5.4-selenium-dm-jboss permanentCheck	1 hr 10 min (#2543)
		FT-nuxeo-5.4-selenium-dm-tomcat	7 hr 56 min (#506)
		FT-nuxeo-5.4-selenium-dm-tomcat permanentCheck	4 hr 10 min (#470)
		nuxeo-5.4	5 days 5 hr (#57)
		nuxeo-5.4-fullbuild-daily	1 day 14 hr (#155)
		nuxeo-5.4-fullbuild-weekly	3 days 2 hr (#53)
		nuxeo-5.4-versions	5 days 5 hr (#26)
		nuxeo-apogee-2.0	2 mo 18 days (#430)

More Tools

- IDEs (Eclipse mostly)
- Testing (JUnit, Selenium, WebDriver)
- Static code analysis (FindBugs, IDEA inspections, Checkstyle, Enerjy)
- Various profilers and debuggers

Conclusion

Key Technical Findings

- Layered approach (start with the foundations, then applications, then tools) has been working well for us
- The Nuxeo EP architecture did fit both the OSS “architecture of participation” vision and our business model and goals

(A few) Business Findings

- Of course people are your most critical asset!
 - (Good) developers are mostly motivated by interesting projects and technologies
 - Sales people are mostly motivated by money, and are the most highly risky hires
 - Community was and still is key to our growth
- You still need money to scale up marketing and mitigate hiring risks





Merci!

More Information

- www.nuxeo.com
- www.nuxeo.org
- blogs.nuxeo.com

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