



# Collaborative Tools

## Alfresco Suite: enterprise class content management software

Several application with a modular approach:

- **Alfresco Document Manager**
- Alfresco Web Content Manager
- Alfresco Record Manager
- **Alfresco Share**
- Alfresco Content Server

Open Source software available in two versions

- Enterprise Edition : come with support, certification and maintenance
- Community Edition : free of charge but without support – do it by yourself

## Alfresco Suite: environment

Modules are written as java servlets

- Require java > 1.5
- Require an application server (Tomcat or JBoss)

Different database backends:

- Support Oracle, MSSQL, MySQL and PgSQL (using hibernate)

Interface to third-party software available:

- Management of office documents (MS and odt format) through OOffice
- Image manipulation through ImageMagick
- Online document viewing with swftools

## Alfresco Document Manager : main features [1/2]

- Directory-like document repository (through spaces)
- Repository available both via web interface and as a shared filesystem , via WebDAV, CIFS, NFS and FTP protocols
- Support authentication chains (local authentication, Active Directory, LDAP, Kerberos).
- Document level security through users, groups and role management
- Extensible data dictionary (document meta-data, types and aspects)
- Google-like search
- Yahoo-like browsing through category or document meta-data
- SmartSpaces: define actions on spaces to perform automatic operations
- Support document versioning and auditing

## Alfresco Document Manager : main features [2/2]

- Support discussion forums
- Workflow management
- Document format transformation (i.e. office to PDF, etc.)
- E-mail and RSS notifications
- Can interact with other software through CMIS (Content Management Interoperability Services)

...and for brave people

- Software behaviour can be modified via XML, Java or Javascript
- Document manager services are expose through web services

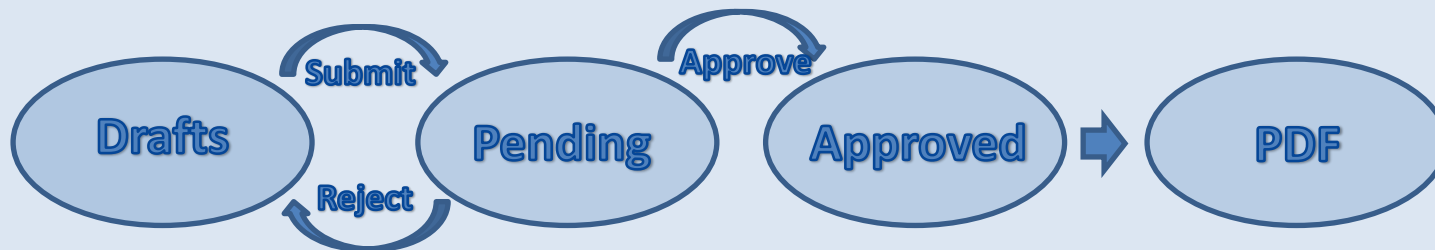
## Alfresco Document Manager : pre-production setup [1/2]

Online at <http://sbdocserver.pd.infn.it:5210/alfresco>

- Alfresco Document Manager Community Edition ver. 3.4a
- Java: SUN JDK 1.6
- Application server: Tomcat 5.5.23
- Database backend: MySQL 5.0.77
- Database interface: jdbc-mysql and hibernate3
- Search tools: lucene 2.4
- Document manipulation tools: ImageMagick 6.2.8, SWFTTools 0.8.1, OpenOffice 3.1.1

## Alfresco Document Manager : pre-production setup [2/2]

- Authentication chain: sbldap.fe.infn.it + local users
- Repository available through web interfaces and WebDAV
- Specific SuperB internal note type (data dictionary extension) available
- SuperB internal note workflow



- Versioning active in Draft note public area (user activable in user space)

## Alfresco Document Manager : web interface

Let's take a look at the web interface using a SuperB internal note workflow example...



## Alfresco Share

- Run in the same environment of Alfresco Document Manager
- Use Alfresco DM services to manage content

Collaborative Software main features:

- Manage projects and virtual teams
- Single repository of project related documents
- Manage task assignment
- Manage peer/group document reviewing

## Alfresco Share : project site/virtual team

Users can create project mini-sites and invite co-workers.

Each site can host

- Information related to the project
- Document library
- Project wiki
- Project blog
- Discussion forum
- Calendar with project events

## Alfresco Share : web interface [1/3]

Online at <http://sbdocserver.pd.infn.it:5210/share>

Each user has a customizable dashboard that show

- Projects where the user is involved and link to project sites
- Calendar with events from all the projects the user work in
- List of tasks to be completed by the user
- Updates from projects

From the web interface, each user can also

- Acces his document library
- Search through project sites
- Search/communicate with other users (social network like)

## Alfresco Share : web interface [2/3]

Share web interface allow different workflows management from Alfresco DM

- Task can be assigned to colleagues (i.e. peer-review)
- Task can be assigned to groups

In each task a user can specify

- Description of the task
- Due date and task priority
- Assignees and the required approval percentage
- A list of documents that have to be attached to the task

## Alfresco Share : web interface [3/3]

Let's take a look at the web interface...

**Thanks**

**For your attention**