

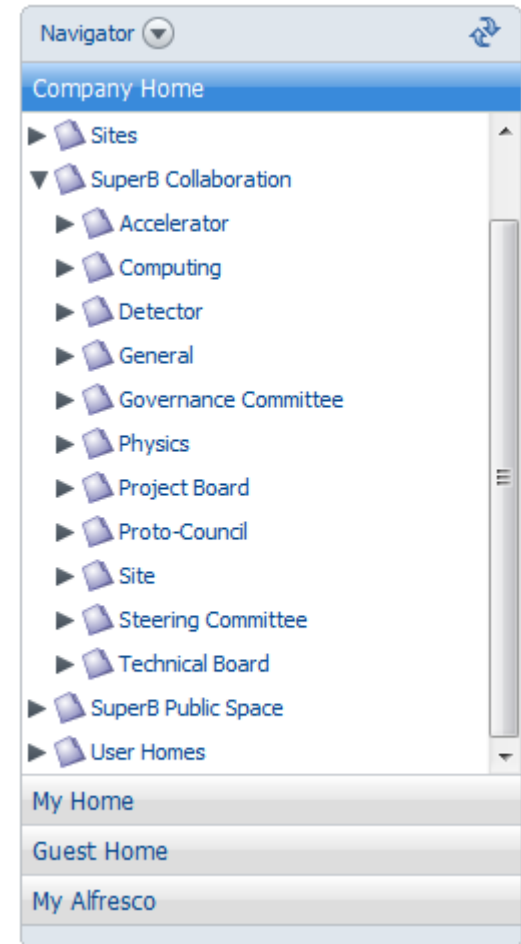


Status of the Collaborative Tools

Alfresco Explorer [1 / 2]



- ▶ Alfresco upgraded to version 4.0b
- ▶ Repository setup as discussed at QMUL meeting:
 - SuperB Collaboration space contains a space for each division
 - Flat division space: removed all the approval steps. Space structure can be defined by each coordinator
 - Alfresco Explorer now allows only the upload of SuperB documents



Alfresco Explorer [2/2]



- ▶ The repository automatically manages the assignment of document number (previously given by the management)

A screenshot of the Alfresco Explorer 'Content Items' view. The interface shows a list of nine documents in a grid. Each document entry includes a file icon (PPTX or PDF), the document name, its ID (SB-GEN-2011-XXXX), size, and upload date (12 October 2011 09:56). Below each entry are icons for edit, share, delete, and download. The top right shows 'Items Per Page' set to 9. The bottom of the grid has a pagination bar showing 'Page 1 of 2' with navigation arrows.

Document Name	ID	Size	Upload Date
Lomonosov XV SuperB Status Forti.pptx	SB-GEN-2011-001	23.41 MB	12 October 2011 09:56
LomonosovXV-2011-Physics.pdf	SB-GEN-2011-012	6.05 MB	12 October 2011 09:56
Super_SVT_Standard_Slides.ppt	SB-GEN-2011-007	3.95 MB	12 October 2011 09:56
SuperB_Accelerator_Standard_Slides.ppt	SB-GEN-2011-005	1.9 MB	12 October 2011 09:56
SuperB_Approval_Standard_Slides_May2011.pptx	SB-GEN-2011-003	1.8 MB	12 October 2011 09:56
SuperB_Computing_Standard_Slides.pptx	SB-GEN-2011-006	1.28 MB	12 October 2011 09:56
SuperB_DCH-Standard_Slides.ppt	SB-GEN-2011-008	2.27 MB	12 October 2011 09:56
SuperB_EMCC_Standard_Slide_May2011.pptx	SB-GEN-2011-010	28.91 MB	12 October 2011 09:56
SuperB_FDIRC_Standard_Slides.pptx	SB-GEN-2011-009	3.41 MB	12 October 2011 09:56

Alfresco Share [1 / 3]



- ▶ Alfresco Share 4.0 deployed
- ▶ SSO filter written to enable Share integration inside SuperB portal

Share 4 introduces some nice new features

- ▶ Document management via drag-and-drop (locally and remotely – HTML5)
- ▶ Parallel Uploads
- ▶ Notifications by email
- ▶ Enhancement in spaces configuration and dashlets
- ▶ New Category and Tag manager
- ▶ Support for multimedia content

Alfresco Share [2 / 3]



My Dashboard Sites People Repository More...

Stefano Longo ▾

Enter search terms...

Stefano Longo Dashboard

Customize Dashboard

Welcome to your dashboard, Stefano Longo

The personal dashboard shows you what's going on in the sites you belong to.

Remove

Let's get you started...



Learning

See what you can do with Alfresco by watching a video tutorial.

[View the tutorials](#)



Sharing

Create a site to share content with other site members.

[Create a site](#)



Personalizing

Update your personal and business information so others can get to know you.

[Edit your profile](#)

My Sites

All ▾ [Create Site](#)

- Alfresco Suite**
Material related to Alfresco collaborative software
★
- MCPProva**
No Description
★ Favorite
- Sample: Web Site Design Project**
This is a Sample Alfresco Team site.

My Tasks

All Tasks ▾ [Start Workflow](#)

1 - 4 of 4 [All Tasks](#)

- Invitation to join Alfresco Suite site**
Site Invitation Accepted, Not Yet Started

My Activities

Everyone's activities ▾ all items ▾ in the last 7 days ▾

Follow what's going on in your sites

The activities in this list let you follow the changes in the sites you belong to. You'll see things such as content updates and likes. You can also see who is joining and leaving your sites.

My Documents

I've Recently Modified ▾

Keep track of your own content

This dashlet lists all of the content that's important to you, no matter which site it is in. Use the filters to easily find what you're looking for.

Alfresco Share [3 / 3]



Some notes on Share 4.0

- ▶ Alfresco Explorer and Share access the same document repository
- ▶ There are already some known bugs in Share 4 (example: notification of an invite)–>Consider the interface as a Beta release
- ▶ Content upload in Share has a different behaviour than Explorer: document are uploaded as generic content, typing have to be done manually after upload

Administrative Database [1 / 2]

Development of a Master Database is completed.
It's now used to track

- ▶ SuperB collaborators data (contact information, roles and affiliations)
- ▶ Institutions and Funding Agencies
- ▶ Group and collaboration membership

Directory service is partially synchronized with the database → this feature must be improved

Administrative Database [2 / 2]



Access available through the portal or via ODBC

Manage My Details

First Name	Stefano
Middle Name	
Last Name	Longo
User ID	SLongo
User Type	Regular
Institution	INFN - Sezione di Padova
Department	
Role	N/A
Address	
Number	
Postal Code	
City	Padova
Country	Italy
Phone Number	
Mobile Number	
Fax Number	
Personal Home Page	
E-mail address	Stefano.Longo@pd.infn.it
Principal Investigator	✓
Council Member	✗
Group Membership	Accelerator, Computing, Detector, HR Managers, Physics, Project Bo
FOI - Accelerator	✗
FOI - Computing	✓
FOI - Detector	✗
FOI - Physics	✗
FOI - Site	✗
Notes	

Manage My Institution

Institution Name	INFN - Sezione di Padova
Department	
Address	Via Marzolo
Number	8
Postal Code	35131
City	Padova
Country	Italy
Phone Number	+39(049)8277088
Fax Number	+39(049)8277102
Web Site	http://www.pd.infn.it/
E-mail address	prot_pd@pd.infn.it

Members list

First Name	Middle Name	Last Name	UserID	Principal Investigator	E-mail Address
Andrea		Caratti	acaratti	✗	caratti@pd.infn.it
Rossana		Chiaratti	RChiaratti	✗	rchiaratti@pd.infn.it
Marco		Corvo	MCorvo	✗	marco.corvo@pd.infn.it
Alberto		Crescente	ACrescente	✗	alberto.crescente@pd.infn.it
Flavio		Dal Corso	fdalcorso	✗	flavio.dalcorso@pd.infn.it
Umberto		Dosselli	udosselli	✗	umberto.dosselli@pd.infn.it
Stefano		Longo	SLongo	✓	Stefano.Longo@pd.infn.it
Fabio		Montecassiano	fmontecassiano	✗	fabio.montecassiano@pd.infn.it
Mauro		Morandin	Morandin	✓	mauro.morandin@pd.infn.it
Ruggero		Pengo	rpengo	✗	ruggero.pengo@inl.infn.it



Portal system [1 / 3]

There's a public space («Organization» menù) and a private space («Restricted Area») for each SuperB division (if you feel inspired you can start filling them with data)

At present the portal integrate:

- ▶ Alfresco Explorer (with SSO)
- ▶ Alfresco Share (with SSO – Beta)
- ▶ Indico (no SSO)
- ▶ Trac (no SSO – feasibility checked)
- ▶ Wiki (work in progress for SSO)



Portal system [2 / 3]

SuperB users subscription procedure:

A new procedure – integrated with the administrative db – is available.

It automatize several tasks:

- ▶ Creation of users in the database
- ▶ Affiliation to institutions, collaborations, groups
- ▶ It sends a request to sbldap admin to start the procedure for a new account

Packages developed to access the admin db are also available for other applications

Portal system [3 / 3]



Notes on subscription procedure:

- ▶ If certain PI data on the database is not synchronized with ldap, the procedure may fail
- ▶ We are still using the old GUI. A complete rewrite is needed.

Notes on the portal:

- ▶ The Forum is still waiting to be tested by users
- ▶ Liferay 6.1 is in Beta testing. We will proceed with an upgrade as soon as the version will be marked as stable.

Wiki and Directory Service



Note: Alberto Gianoli is the administrator of both tools

Wiki:

- ▶ The wiki is now private. Only SuperB users are allowed to access its pages
- ▶ Alberto is working on the integration of Jasig CAS (SSO) and the wiki

LDAP:

- ▶ Is partially synchronized with the administrative DB.
- ▶ A better procedure is needed



Mailing Lists

Note: Riccardo Veraldi is the Sympa administrator

We have investigated the integration of Sympa with our directory service

List members can now be configured via file or through an LDAP source (not both at once)

We are ready to setup user subscription – at least for general interest lists – via our directory service

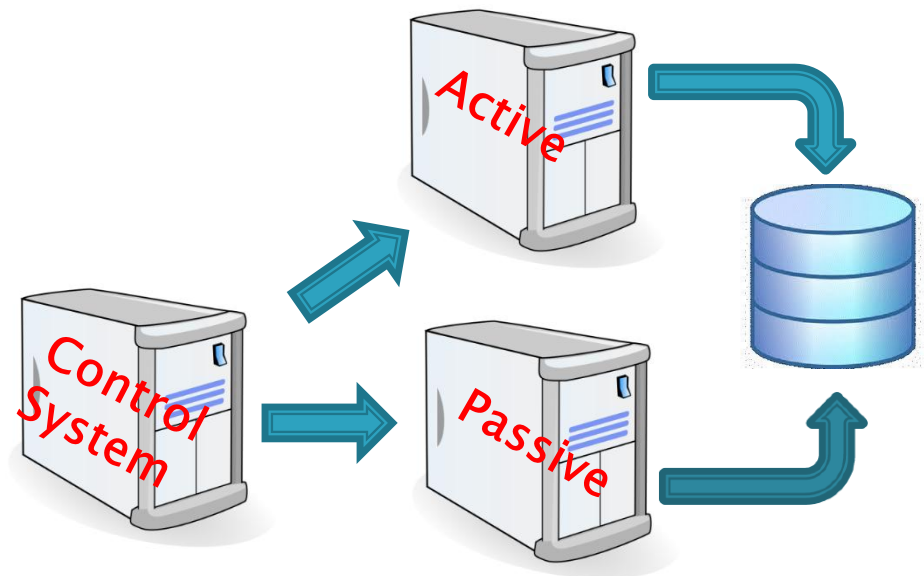
High Availability Cluster [1 / 4]



To avoid services unavailability, all the collaborative tools will be moved to an High Availability Cluster.

The architecture will be similar to the one used for «portale sistema informativo INFN»:

- ▶ Two virtual machines for each service
- ▶ Active/Passive configuration
- ▶ Locking done through cluster FS



High Availability Cluster [2 / 4]



Storage:

DELL EqualLogic PS4100E

- ▶ Redundant controllers (2), each with 2x1 Gb Eth. for iSCSI, 1 Eth. for management, 8GB RAM
- ▶ 6x1TB HD NL-SAS, upgradable to 12
- ▶ RAID 5, 6, 10, 50 support
- ▶ Redundant power supply (2)
- ▶ Support for various environment, included cluster filesystem
- ▶ Support for 256 volumes, 128 snapshot per volume
- ▶ Management and accounting «onboard»
- ▶ Upgradable with other EqualLogic systems, providing load balancing among units



High Availability Cluster [3 / 4]



Service/Control server

DELL PowerEdge R610

- ▶ Redundant power supply
- ▶ 2xIntel Xeon E5645 (2.40GHz, 6 cores, HT, 12MB cache)
- ▶ 36GB of RAM@1333MHz
- ▶ RAID controller: PERC H700 with 512MB of cache
- ▶ 2xHD SAS, 146GB@10kRPM
- ▶ Broadcom Netextreme controller with TOE and iSCSI offload



HA Cluster was designed with

- ▶ 2 R610 server for the execution of service VMs
- ▶ 1 R610 (with less resources) for the management of the cluster

High Availability Cluster [4/4]



Current Status:

- ▶ Storage call for tender is over, the purchase procedure should be completed in a short time
- ▶ The budget was not enough to buy also the PowerEdge servers. For now we will borrow some resources, next year we will evaluate if it will be the case to buy also servers for the execution of VMs
- ▶ We will proceed as soon as all the hardware resources will be available.



**Thanks
For your attention!**