



DIF Software developments

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DIF and DHCAL software repository at Lyon

1. In november, we proposed to have a software and documentation repository in Lyon :

<https://lyosvn.in2p3.fr/ilc/>

2. Access is made by login/password

3. Can be used for documentation of the project (wiki side) :

Hardware documentation

Firmware documentation

Software documentation

Talks

...

4. Can be used for software repository (subversion side)

Schematics

VHDL

Software

...



Wiki part

Firefox Fichier Édition Affichage Historique Marque-pages Outils Fenêtre Aide mar. 15:15 (Rechargée)

Ilc - Trac

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CALICE
Calorimeter for ILIC

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Acronyms and definitions

DIF : Detector Interface
LDA : Local Data Agergator
ASU : Active Sensor Unit
Slab : One physical set of n ASUs
Hardroc : Hadronic RPC detector Readout Chip

System bloc diagram

Terminé

Attach file Delete this version

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Leopard

Time Machine

SMS Design.pdf

OSV-D.pdf

OSRN_D.pdf

Image 2.png

Image 1.png

Image 3.png

1_combaret-070109.pdf

Image 4.png



svn part

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root

View revision:

Name ▲	Size	Rev	Age	Last Change
docs		15	3 hours	ygiraud: Test de post commit
gtk		6	6 months	combaret: Création du tag 1.0 de gtk
img		13	3 months	combaret: adding dhcal bloc diagram
meetings		21	50 seconds	combaret: adding meetings directory
schematics		20	1 minute	combaret: Adding schematics directory
src		22	9 seconds	combaret: adding src directory
vhdl		14	3 hours	combaret: Ajout du repertoire vhdl
xdq		3	6 months	combaret: creation de l'arborescence de base pour Xdaq et GTK

Note: See [TracBrowser](#) for help on using the browser.

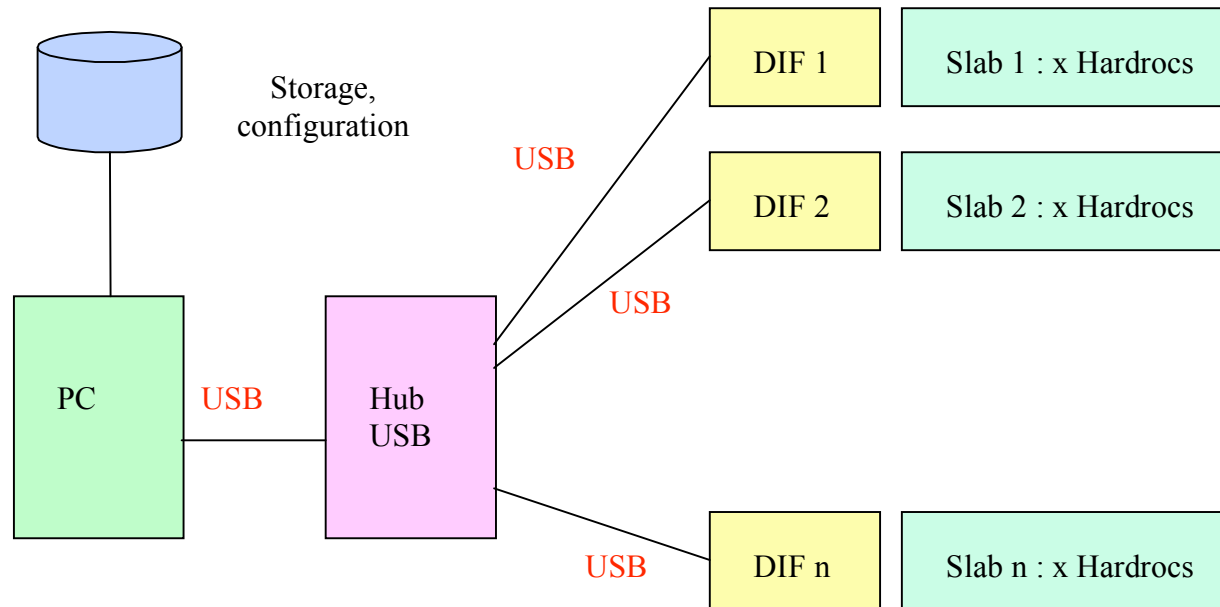
[View changes...](#)

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By [Edgewall Software](#).

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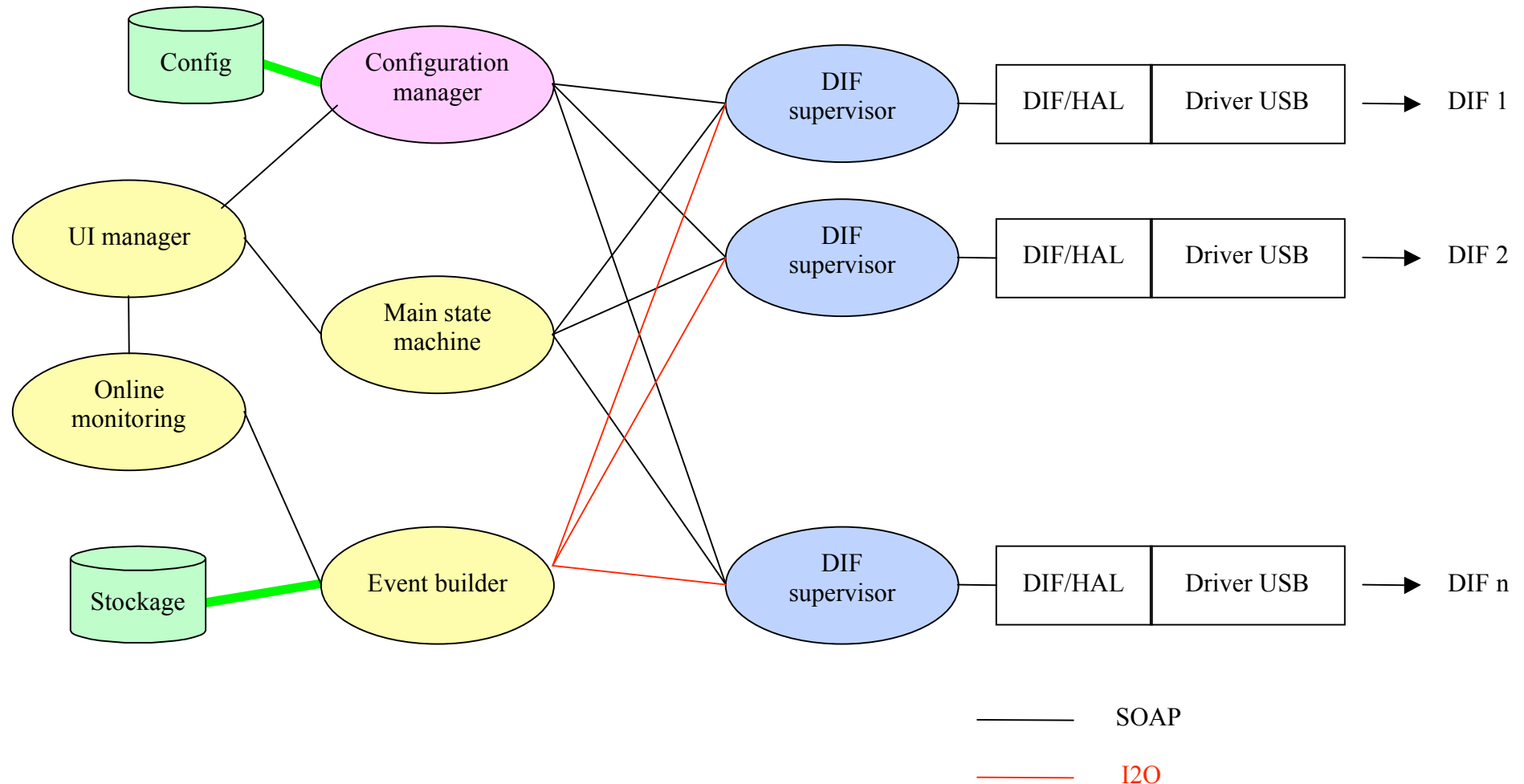


Xdaq over USB for the square meter : hardware

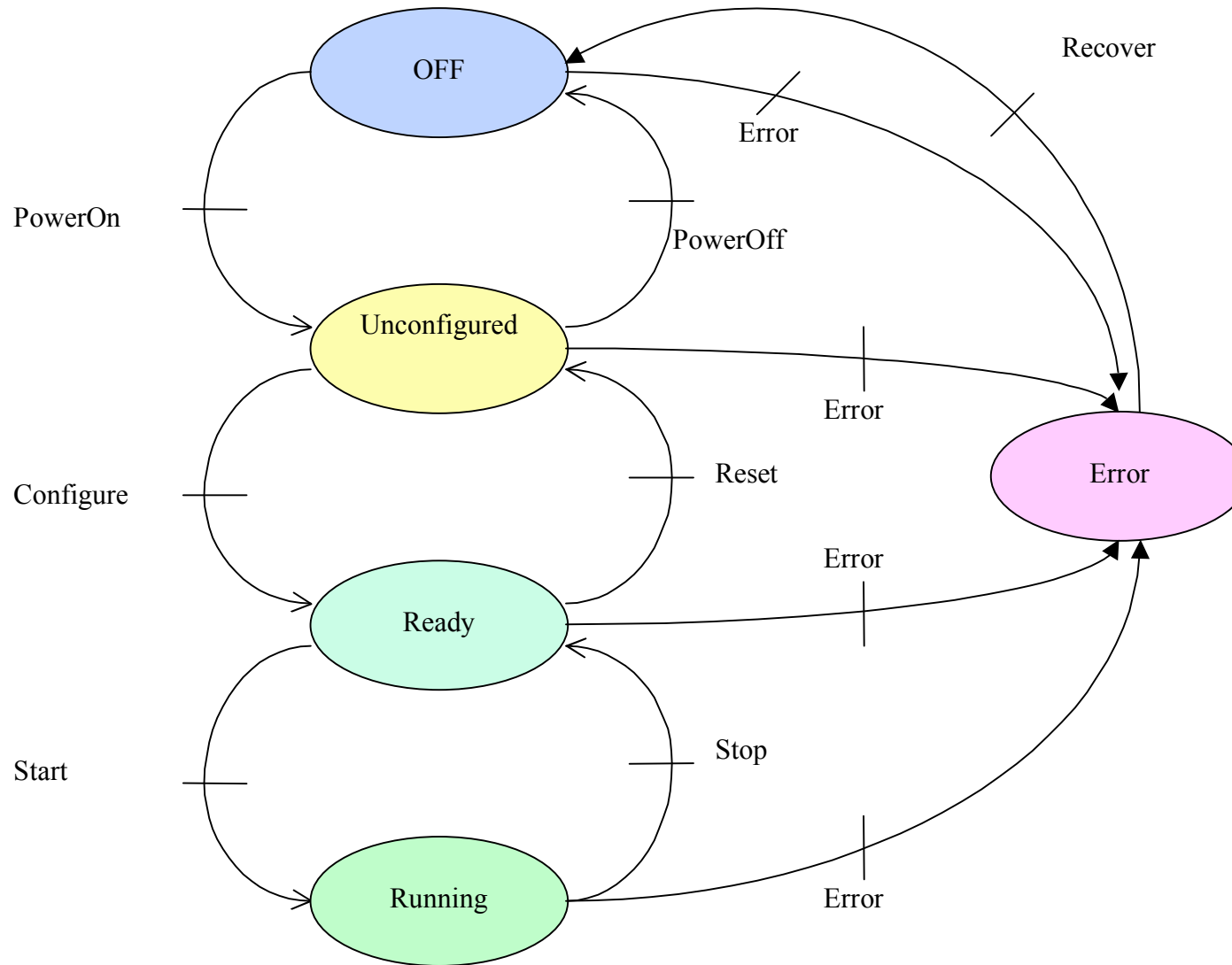




Xdaq over USB for the square meter : software



Main state machine





Facts and status

- DAQ software running on SLC4
- Can be accessed from any web browser
- Some part of the software defined (architecture, state machines...)
-
- Some opened (data format for example)
- Code development in progress (in phase with DIF hardware)