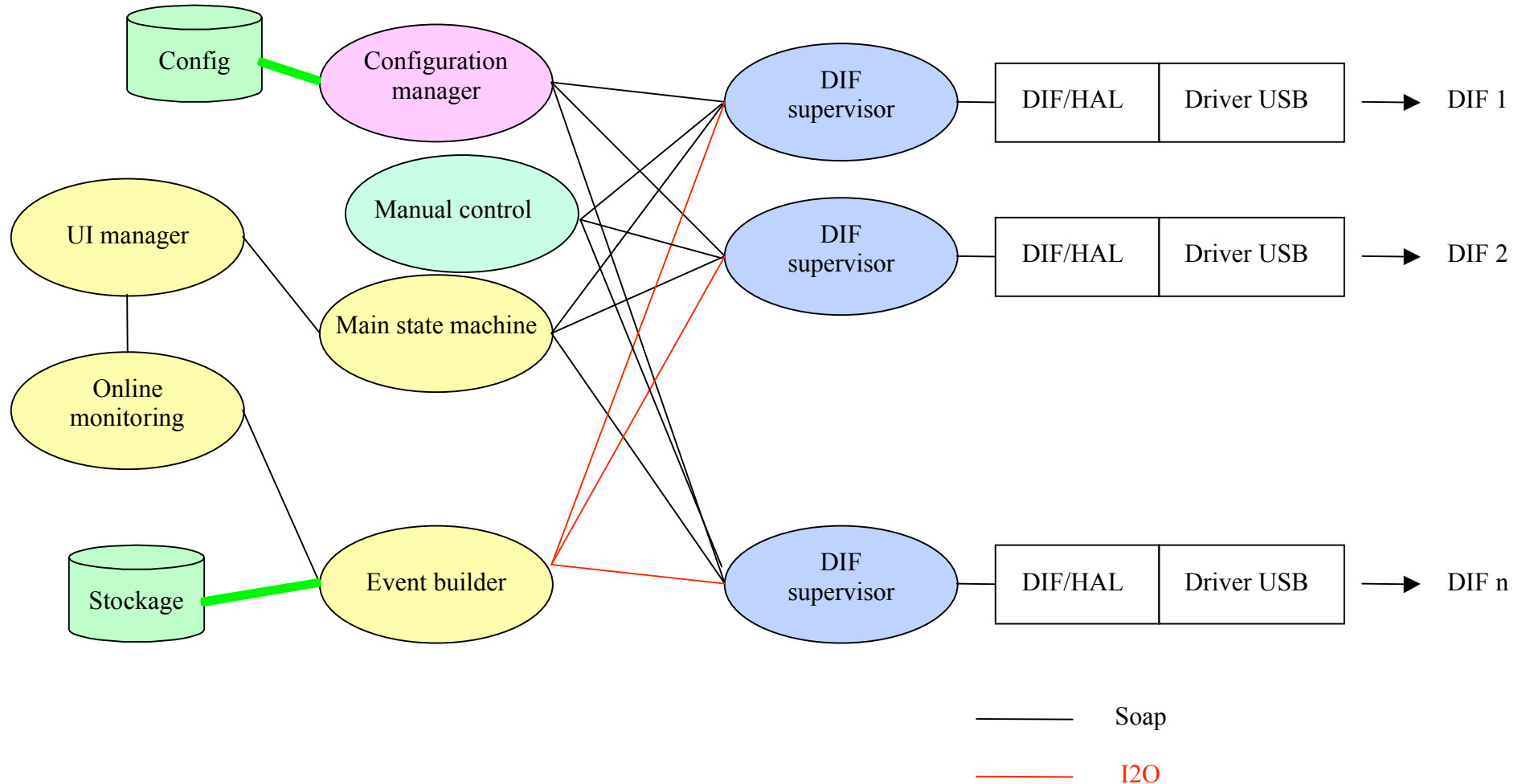




Xdaq over USB for the square meter : software





Xdaq over USB for the square meter : software

User interface accessed through a web browser (OS-independant)
PC(s) running Scientific Linux 4

Status :

Software development in parallel with DIF hardware development :

most statemachines OK

infospace OK

SOAP communication between instances OK

UI OK

low level access to USB OK : Registers R/W OK

Command mode OK

Slow control and configuration : under developments

Acquisition : to do



Some screenshots...

The image shows two overlapping web browser windows. The background window is titled "UIManager" and displays a control interface with buttons for "Main FSM Off", "OffError", "PowerOn", "DIF Supervisor Idle", "StartAcquisition", "StartConfigure", "StartManual", "Configuration Mana", and "DHCAL User interfa". The foreground window is titled "ManualControl" and shows a "Register access" section with input fields for "Address" (0) and "Data" (0), and buttons for "Open", "Close", "Reset", "Read", and "Write". Below this is a "Command access" section with buttons "AA" and "BB". The "slow control" section includes a dropdown menu set to "FT101001" and buttons for "Load", "Configure", and "SLC Manual". At the bottom, there is a "Hardroc for manual access" section with radio buttons numbered 0 through 4, where button 0 is selected. A blue link for "Manual Configuration" is visible at the bottom of the window. Both windows have a status bar at the bottom that says "Terminé".



Some screenshots...

Mozilla Firefox

http://134.158.141.182:1972/urn:xdaq-application:lid=21/displayManualConfiguration

ManualControl

Manual configuration of hardroc 0 on DIF

Global settings

- En_RamFull
- En_Dout
- En_TransmitOn
- En_Out_Discri
- En_Out_Trig_Int
- En_Trig_Int
- En_Trig_Ext
- En_Out_Raz_Int
- En_Raz_Int
- En_Raz_Ext

Misc

- Valid_DC
- Sw_50f
- Sw_100f
- Sw_100k
- Sw_50k
- Choix_Caisson
- Sw_Ssc

Power supply

- On_Otadac
- On_Dac
- On_Pa
- On_Buf
- On_Ss
- On_W
- On_Otaq
- On_Fsb
- On_Discri

8 bits parameters

- Header0
- Dac0
- Dac1

Valid_Trig	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63

cTest	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63

Gain00	Gain08	Gain16	Gain24	Gain32	Gain40	Gain48	Gain56
Gain01	Gain09	Gain17	Gain25	Gain33	Gain41	Gain49	Gain57
Gain02	Gain10	Gain18	Gain26	Gain34	Gain42	Gain50	Gain58
Gain03	Gain11	Gain19	Gain27	Gain35	Gain43	Gain51	Gain59
Gain04	Gain12	Gain20	Gain28	Gain36	Gain44	Gain52	Gain60
Gain05	Gain13	Gain21	Gain29	Gain37	Gain45	Gain53	Gain61
Gain06	Gain14	Gain22	Gain30	Gain38	Gain46	Gain54	Gain62
Gain07	Gain15	Gain23	Gain31	Gain39	Gain47	Gain55	Gain63

Save

Terminé