

New DAQ Muon machines

D.Brundu - 18/09/2020

Old system

- In the old system many machines were used, reflecting the complexity of the whole muon system divided in many projects.

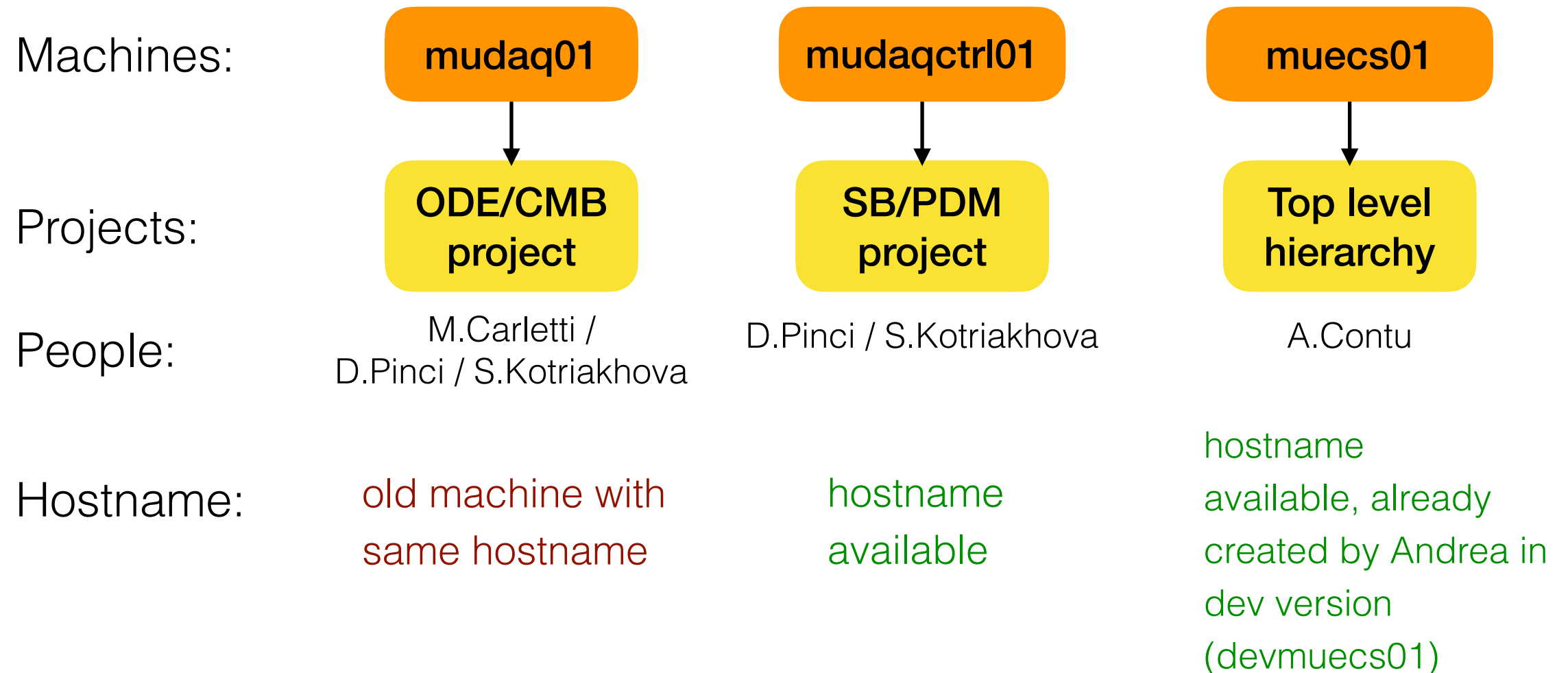
MUDAQA01	mudaga01	ELMB	OPC (5)	mucc1101w	2017.05.11 17:24:28.014	2017.05.03 15:59:17	8 01:25:44	DAQ control
MUDAQA23	mudaga03	ELMB	OPC (5)	mucc0201w	2017.05.11 17:24:27.098	2017.05.03 11:56:29	8 05:28:26	
MUDAQA45	mudaga04	ELMB	OPC (5)	mucc2001w	2017.05.11 17:24:27.548	2017.05.09 04:59:41	2 12:25:12	
MUDAQC01	mudagc01	ELMB	OPC (5)	mucc1102w	2017.05.11 17:24:34.329	2017.05.03 12:50:49	8 04:34:03	
MUDAQC23	mudagc03	ELMB	OPC (5)	mucc0202w	2017.05.11 17:24:27.723	2017.05.08 11:45:23	3 05:39:28	
MUDAQC45	mudagc04	ELMB	OPC (5)	mucc2002w	2017.05.11 17:24:32.279	2017.05.03 12:54:19	8 04:30:43	
MUDCSLVA	mulva01	Marathon	OPC (14)	mucc0301w	2017.05.11 17:24:28.055	2017.05.03 12:47:07	8 04:37:48	LV
MUDCSLVC	mulvc01	Marathon	OPC (14)	mucc0302w	2017.05.11 17:24:33.343	2017.05.03 12:47:08	8 04:37:47	
MUDCSSEN	mudcs01	ELMB	OPC (2)	mucc0303w	2017.05.11 17:24:30.623	2017.05.03 12:47:07	8 04:37:51	Temperature, Gas
MUHVA02	muhva02	CAEN	OPC (6)	mucc0301w	2017.05.11 17:24:26.576	2017.05.03 12:47:07	8 04:37:48	CAEN HV
MUHVC02	muhvc02	CAEN	OPC (6)	mucc0302w	2017.05.11 17:24:32.026	2017.05.03 12:47:08	8 04:37:47	GEM HV
MUHV GEM	muhvgem01	ELMB	OPC (5)	mucc0503w	2017.05.11 17:24:25.647	2017.05.03 11:54:44	8 05:30:08	
MUODEA01	muodea01	ELMB	OPC (4)	mucc0203w	2017.05.11 17:24:30.623	2017.05.03 11:56:31	8 05:28:27	ODE
MUODEA02	muodea02	ELMB	OPC (4)	mucc1103w	2017.05.11 17:24:34.641	2017.05.03 12:50:52	8 04:34:04	
MUODEC01	muodec01	ELMB	OPC (4)	mucc0204w	2017.05.11 17:24:25.634	2017.05.03 11:56:30	8 05:28:28	
MUODEC02	muodec02	ELMB	OPC (4)	mucc1104w	2017.05.11 17:24:25.210	2017.05.03 12:50:56	8 04:34:00	
MUHVA01	muhva01	USB	DIM (28)	mucc0801w	2017.05.08 12:58:18.778	2017.04.25 11:27:58	13 01:31:10	PNPI HV
MUHVC01	muhvc01	USB	DIM (28)	mucc0802w	2017.05.08 12:58:18.778	2017.04.25 11:27:58	13 01:31:10	

Proposal for the new machines

- According with Andrea Contu work on the new FSM, the number of CU has been drastically reduced, as the total number of projects. We will start from the minimum, which is **3** :
 1. ODE + CMBs
 2. SB + PDM
 3. Top level hierarchy (a very light project, the bulk of the hierarchy will run on the machines/projects where DU are)
- + machines not concerning the DAQ (*Alexei's task*)
 - HV
 - DCS
- Simplest assumption : 1 project per Virtual Machine

Proposal for the new machines

- Respecting the new name convention:



- We would like to create these machines to start to import the preliminary projects. The same machines will be used for the final projects.

Doubts / questions

Before forwarding the VM creation request to the Online group:

- Remove old machines or just change the names to *_old ? Or create the new ones as dev_* and then change them later ?
- The number of datapoints is quite high. We don't know yet whether there will be the need to split the projects and how.
 - start now with this minimal configuration (3 projects on 3 VMs) or reserve already other machines? (devmudaq01, 02, ...)
- Are the requests for TELL40 machines responsibility of sub-detector groups?