

New hardware

7 Dell M620 with 12 cores each , 1 Dell M820 with 32 cores

<http://www.dell.com/us/enterprise/p/poweredge-m620/pd>

<http://www.dell.com/us/enterprise/p/poweredge-m820/pd>

Data: external storage, 4 disk servers with 7.2 TB each, 1 with 9 TB, configured in RAID10 (speed and redundancy)

Home: internal storage, 0.9 TB

Configuration:

All servers to be called 'muc<nn>' where nn starts with 01 and ends with 08, and muc stands for 'multi-core server'

muc01...muc05: to host three accounts each (low-data volume instruments)

muc06...muc08: one account each (high-data volume instruments, and science processing)

muc01...muc04: three accounts per UT

muc05: three accounts VLTl, plus pre-imaging

muc06, muc07: survey cameras

muc08: science processing

per account: 1 internal disk, with dfos software, pipelines etc.

1 external disk, with data and long-term memory

storage: external disk on 'fujisan3' server

List of accounts

Server name	accounts	condor_res?	currently	home	home_new	data	data_new	size (TB)	shortcut (for b/w compatib.)
muc01 (8 condor_exec)	crires	yes	dfo32	/home/crires	/home/crires	/diska/data32/crires	/data32/crires	0.9	/data32@ --> /fujisan3/data32
	fors1	no	dfo25	/home/fors1	<do we need?>	/diska/data25/fors1	/data25/fors1	0.1	/data25@ --> /fujisan3/data25
	fors2	yes	dfo26	/home/fors2	/home/fors2	/diska/data26/fors2	/data26/fors2	0.9	/data26@ --> /fujisan3/data26
	kmos	yes	-- (new)	-- (new)	/home/kmos	-- (new)	/datavlt/kmos (!)	0.9	/datavlt@ --> /fujisan3/datavlt
muc02 (8 condor_exec)	giraffe	yes	dfo23	/home/giraffe	/home/giraffe	/diska/data23/giraffe	/data23/giraffe	0.9	/data23@ --> /fujisan3/data23
	qc_shift	no	dfo23	/home/qc_shift	/home/qc_shift	--	--	--	--
	uves	yes	dfo21	/home/uves	/home/uves	/diska/data21/uves	/data21/uves	0.9	/data21@ --> /fujisan3/data21
	xshooter	yes	dfo25	/home/xshooter	/home/xshooter	/diska/data25/xshooter	/data25/xshooter	0.9	/data25@ --> /fujisan3/data25
muc03 (8 condor_exec)	isaac	yes	dfo27	/home/isaac	/home/isaac	/diska/data27/isaac	/data27/isaac	0.8	/data27@ --> /fujisan3/data27
	vimos	yes	dfo24	/home/vimos	/home/vimos	/diska/data24/vimos	/data24/vimos	0.9	/data24@ --> /fujisan3/data24
	visir	yes	dfo30	/home/visir	/home/visir	/diska/data30/visir	/data30/visir	0.9	/data30@ --> /fujisan3/data30
	sphere	no	-- (new)	-- (new)	/home/sphere	-- (new)	/datavlt/sphere (!)	0.9	/datavlt@ --> /fujisan3/datavlt
muc04 (8 condor_exec)	hawki	yes	qc08	/home/hawki	/home/hawki	/fastcache/qc/hawki (!)	/qc/hawki	0.9	/hawki@ --> /fujisan3/qc/hawki
						/diska/qc/hawki			
	naco	yes	dfo22	/home/naco2 (!)	/home/naco2	/diska/data22/naco2	/data22/naco2	0.9	/data22@ --> /fujisan3/data22
	sinfoni	yes	dfo29	/home/sinfoni	/home/sinfoni	/diska/data29/sinfoni	/data29/sinfoni	0.9	/data29@ --> /fujisan3/data29
muc05 (8 condor_exec)	midi	yes	dfo28	/home/midi2 (!)	/home/midi2	/diska/data28/midi2	/data28/midi2	0.9	/data28@ --> /fujisan3/data28
	amber	yes	dfo31	/home/amber	/home/amber	/diska/data31/amber	/data31/amber	0.9	/data31@ --> /fujisan3/data31
	pacman	yes	dfo28	/home/pacman	/home/pacman	/diska/data28/pacman	/datavlt/pacman (!)	0.8	/datavlt@ --> /fujisan3/datavlt
	preimg	no	dfo33	/home/preimg	/home/preimg	/diska/data33/preimg	/data33/preimg	0.1	/data33@ --> /fujisan3/data33
muc06 (10 condor_exec)	ocam	yes	qc06	/home/ocam	/home/ocam	/fastcache/qc/ocam (!)	/qc/ocam	7.2	/ocam@ --> /fujisan3/qc/ocam
						/diska/qc/ocam			
muc07 (10 condor_exec)	vircam	yes	qc04	/home/vircam	/home/vircam	/fastcache/qc/vircam (!)	/qc/vircam	7.2	/vircam@ --> /fujisan3/qc/vircam
						/diska/qc/vircam			
muc08	sciproc	TBD	-- (new)	-- (new)	/home/sciproc	-- (new)	/datavlt/sciproc (!)	9	/datavlt@ --> /fujisan3/datavlt

Migration:

- content of /diskb will not be migrated (unless requested by QC and discussed)
- content of other/historical accounts will not be migrated (unless requested by QC and discussed)
- QC: please cleanup undefined/unknown/obsolete content before migration!

Open questions:

- what to do with old accounts like fors1? (keep home and data? Make e.g. xshooter owner of these data?)
- uvesr, giraffer?

cross-mounted to all accounts:

opslog, quality

identical content but not cross-mounted:

flowmgr

condor:

condor_master needed on each muc --> one CPU for condor_master, one CPU for accounts (except the ones marked condor_res=no)

e.g., muc01 will have 8 condor_exec nodes; one reserved for condor_master; one for crires, fors2, and kmos home accounts.