

WURM, 14-07-2025 13:00 CEST WURMng iso SWURM Marjolein's office

Present: Paul, Wybren, Bob, Aard, Marjolein

Wybren: new home server ready w/ upgraded O/S, discuss switchover date w/ Berth. Q by new CRAF employee MislavB: can has access to JIVE Network/Compute for running simulations? [A: Will have to be decided – correlator is EVN resource so not general purpose use]. Did mem + cpu tests + new db0 testing: so far all good, proposing to switch after the holiday; hiccup: need new passwds because hashing has changed in the new version [Note: not entirely unaligned with the CyberSecurity master plan to "revise the db credential situation" anyway]. Mattermost db migration next in line. Installing fb21 HDDs from Ur!

Paul: attended WhiteRabbit conf @CERN (w/ presentation). 2x ConnectX cards + memory arrived; "backup" could only be upgraded to 96GB RAM, but still a lot more than it previously had. After installing ConnectX cards did formatter test: have good, mixed and bad results, but NIC upgrade fix problematic fb's; need four more ConnectX's to replace remaining Intel NICs, and now there are RDMA-capable NICs in the network to experiment with (RADIOBLOCKS sfxc-gpu). WR paper reviewer comments addressed. Outlook/MS365 mail login problems? [Note: was on Slack and in the news, M\$-wide prob]. During testing migrated db0 to cl3 but bimodal distribution of PapersDB query (0s or 8s) persist [Wybren: postpone further testing until after holidays, have put monitor on this instance]. fb22: arrived end of last year, has expander backplane + RAID card (not JBOD!) – asked BNC for firmware change (impossible), so now quote for new HBA. All hosts now at Deb11.

Bob: worked on proposal tools; data leak/corruption in old system: find injection of non-latin1 chars into latin1 columns in new MySQL triggers errors but in old MySQL silently replaced by '?', PDF writer does not accept UTF-8, evaluating options to address (downgrade MySQL, fix all Northstar forms to warn about non-latin1, or change to UTF-8 w/ PDF version possibly not displaying chars correctly); POLARIS progress: GUI is stack of frameworks + extensions = maintenance hell. For Swedish VR survey: FITS download overview from archive stopped working, fixed. Issue w/ e-Merlin outstations: did not stop recording due to local system crash that left jive5ab running: end up w/ four experiments in one (1) recording. Can be made to work if rest of system kept on working (tracking, tuning etc.), so first checking small bit of NME data.

Aard: complex sampling support implemented, find cplx to real too expensive so now correlator gives N pt in stead of N+1; after fringe fit find delay + rate unaffected but phase shift. Built WOLA into GPU implementation, -2% performance and MarkK "OHNOES BIG DIFFS": after investigation bug in old vsn – end-of-scan (empty frame) not in JohnR TCC/filter implementation but only in own copy. Seems possible to acquire GPU server (hopefully Blackwell A4000 if they ship in time) + some travel under RADIOBLOCKS funding.