WURM, 02-06-2025 13:00 CEST WURMng Marjolein's office + Zoom

Present: Paul, Wybren, Bob, Aard, Des, Mark (remote), Marjolein

Plenary announcements: proposal to discuss Paul's security document at next Strategy WURM - send technical feedback (not language) to Paul before 13 Jun CoB.
This strategy WURM is the last one before mid-July.

Wybren: the new 19" PetaBuff-rack installed and loaded w/ FlexBuffs 18-23, need port(s) on leaf switch, only two #AVAIL. db0: relation between Northstar/archive dbs stored in backup *after* use ie restore #FAILs (but can run w/ "-f", or, as Des suggests, just run it twice, to make it work), hope that Paul can help with this; moved all dbs to upgraded dbtest to prepare for newer db0 [BobE: one procedure giving issues there, used for e-VLBI testing to reset time stamp(s), contains five update queries and two of those give unexpected/strange error messages about "unknown user definer"]. Postgres: Mattermost db migrated but not working fully still - get strange error message. Replaced SFP from fb10 that was giving errors which fixed that.

Mark: attended RADIOBLOCKS partner meeting and working on GPU correlator indication of efficiency; own SFXC cluster measurements more in line w/ actual CPU TDP, but shows GPU can expect to improve order of magnitude in power efficiency; preparing work to read data from multiple locations. Also preparing for IVOA Interop ObsCore extensions (workshop this week). Mail from ChrisP: ATCA moved to BIGCAT GPU backend -> gives cplx VDIF only, problem for EVN/SFXC? [initial answer: Y, 'cuz we can't] [Marjo: but maybe we should ...]

Bob: db migration probs (cont'd): runjob testing seems ok, can run job(s). POLARIS API testing: seems reasonable; now trying to extend API; model is based on VO DML but that is based on VO DSL, extending that is OK but POLARIS not built on that? Adapting API functionality and GUI: e-Merlin not using themselves? [Marjo: yes at Oct CfP deadline they will use it for themselves], security and cycle management doesn't seem to be finished. Had EVN CfP deadline yesterday (Sun 1 Jun), first time w/ Northstar on new O/S + VM => user reported corruption: abstract of their proposal X was replaced by abstract from proposal Y and can't change [after some inline discussion AOB]. PySCHED merge of SCHED12.0: propose to release after session, add INTENTS to VEX2 writer; SumaM reports bug in Tsys writing in .sum files. 1 out of 3 fb's at Ys are EUNREACH via ssh, Javi looking into but unknown why so far.

Aard: e-Merlin very interested in GPU corr, have Zoom meeting today. Wybren reports hanging fringetest sfxc processes -> discuss @VLOPS tomorrow; grepping logfiles for other occurrences, found two so far, maybe some bug). Attended RADIOBLOCKS partner meeting. On GPU w/o double precision h/w: changed one (1) constant ("PI", of course) and get extra 20-25% performance for gratis; saw radom SIGSEGVs, traced to possible race condition in CUDA Event module; currently implementing WOLA.

Paul: DDS Cleaning tape returned but no answer from AdriaanR about actual tapes. Attended NAC, talk was first one after the "social evening", but got some questions; WR in astronomy paper submitted, now in peer review. Memoery expansion for fb's: ~250€ to get to 64 GB minimum in each fb [fb12/fb17: AOB?]. EEE2 migration/handover: waiting on BenitoM. [Q: GPU possible?] Will have to check [Wybren: fb11 PCIe expander, possibly PetaBuffs, but maybe not power enough also].

Des: hosted FredericJ, which resulted in more work (fringe-fit VGOS data). Mattermost feedback tool broken: name clash between hostname(s) of the view and submit subsystems. GeorgeM sent ~150p document as reply to not reading our ~3p memo. SebastianoF's note on CASA special fringefit capabilities is an AAS Research Note at https://iopscience.iop.org/article/10.3847/2515-5172/addf47/ampdf, which isn't 100% peer reviewed but still.

AOBs:

[MarkK: GPUs in fbs? Needed PCIe x 16, PCIe v4, single slot CPU => power + cooling prob?, looking at A4000 type blackwell or ada] [WybrenB: no specific cooling available] [MarkK: they're ~150W cards so not too big impact]