

WURM, 20-02-2023 13:00 WURM (Library meeting room)

Present Bob, Ilse, Paul, Wybren, Des, Mark, Marjolein

Plenary announcements/discussion:

- Marjo will be WfH Thu & Fri (mentioning this since there is no overview in the new leave system)
- RADIOBLOCKS will be starting in just over a week, everyone up to speed? [Marjo asks Ilse, Des, Mark, and Aard to briefly introduce what they'll be working on]
- there is probably scope for an EVN Identity service (see post-it on the hallway white board), this not the meeting to discuss; subset of the group decides to meet tomorrow after JIVE Coffee.
- (this point was raised halfway through the meeting) EAS, NAC, Bologna40, are all meetings coming up. If interested tell me (Marjo): no guarantees but need to gauge interest, JIVE attendance will be discussed in the MT.

Bob: archive (website) code to git: all migrated, merged the parallel checkouts ("/production/...", "/development/...") and check out single version; last Fri user noticed stdplots did not work on archive: scripts have hardcoded path to "development/..." file(s) so didn't work anymore, quick+temp fix = symlink, need fix in code. Code now in git so can check out on archive2. pySCHED auto-update test machinery found another matplotlib deprecation. DDS tapes: the actual backup tapes were found (by MartinL); they were not in the fire-proof safe; these work a lot better; .cat files go to 2008-May, latest DAT tape 2008-Aug [Marjo: maybe also on LT0-2, transition/test phase?]. Last week e-VLBI several issues; recurring theme seems to be that stations cannot fix their own FiLa10G setup e.g. after a full system restart [Marjo: can you send me a summary for reference? Previously JIVE had an e-VLBI webpage but that's severely outdated, we should probably be adding this to a Deki page instead].

Ilse: rPICARD testing: "funny" plots, redo in plotms, diagnosed as PEBKAC; most differences likely b/c of correlation-dependent flagging by rPICARD, consider doing this in EVN pipeline too; got Q from MichaelJ "rPICARD on official CASA?": maybe starting as soon as from next release, discuss w/ GeorgeM in this weeks's CASA coord mtng. RadioAstron testing: snag! Use scans on bright fringe finder(s): all flagged b/c RA not observing those; seems CASA should be capable to do what is required, just need to find out how to in particular scheduled exp [Mark/Aard: likely b/c RA on-target time maximised, satellite needed to cool after some observing]. Candidate ORP-PILOT follow-up sources from PawelZ, collecting as much data available already, some targets have radio fluxes that should be detectable by the EVN, some have no radio flux measured yet. IvanMV visited, spent time. CASA VLBI workshop: number of registrations increasing (~50/60 now); NRAO proposal review coming up; NAEIC proposes to perform an EDI climate survey across .NL, very ambitious time line (results before EAS); EAS has EHT special session - JIVE attendance?

Paul: new fb7 disk chaos: 1 disk #FAIL last Mon, 16 by Tue => pools w/ double disk #FAIL; started recovery: six disks in archive2, scrub=ok, errors somewhat different in logs but underlying prob remains disk stops answering bus requests; fact the disk reset also happens on archive2 seems to indicate problem follows disk not chassis, vendor sent 16 new disks (same model, same production batch ...), arrived Fri afternoon: spent until 19:30 (w/ Wybren) installing and starting copy/recovery process; current state: four pools bad, two good. Still don't know if temp, kernel, disk f/w issue [Mark: incompat HBA <=> HDD?] unlikely: fb7 has two different HBAs and errors occur on disks connected to both; copy+scrub over weekend: five more disks reset themselves, fortunately new transtor2 chassis arrived last Wed: can build up as spare/test system, not going to be moved off-site (to Wb) just yet; prio: save data, find error, discuss w/ vendor. Found that after emergency declared on fb7 ShivaniB not using reservation tool was still correlating => need to send mail to @everyone; how about better use of registration tool across cluster users? [after discussion: Wybren+Paul will start using nologin feature to prevent usage of systems when necessary]. eee <=> vlbeer connection stalling issue: PMTU problem, thought it was ASTRON fw but affects other machines too so used MSS clamping iso relying on pmtu discovery. Archive2 auto bootup w/ passwords or monkey typing password to decrypt (db access) keys: probably best to use "~/.my.cnf", allows setting correct file access w/o storing passwords in the (website, other scripts) code; all other solutions are equally unsafe and provide worse protection OR very inconvenient in case of reboot. DDS tapes: ~600 of them, no cleaning tape among them. ICT gripe: tbsync on laptop, OWL on desktop: calendar don't seem to synchronise.

Wybren: most time spent w/ Paul on HDD chaos. TLS errors LDAP: still not sure where it goes wrong. Installed certificate for services.jive.nl(.eu). Hope to be able to work on power management over IPMI after HDD chaos subsides.

Aard: meeting with space-sci group conclusion(s): not enough documentation, knowledge lost; after meeting: suggest try known-to-work exp from DimaD time, this includes phases in delay file (extra column), can't figure out how to do that anymore, but Doppler correction needed for s/c. Zabbix monitor: UweB added things such as "max wind speed", now gives red line so can see when station will stow, Q: "can upload > 1 item at same time?" yes [Paul: this should be upstreamed to AlexanderN], also page on TOG wiki (MPIfR Deki) on how to get an evn-monitor account. DAS-6 cluster: finding out that several things have changed in CUDA since last use ... Mattermost e-VLBI channel issue: started as private? [Paul \*creates new channel during meeting\*: create channel dialog gives option to select private/public so PEBKAC?]

Des: did WfH b/c of illness aftermath, ended up with having to look at PolConvert using casacore (C++) to read from MS. Asked MichaelJ to vet NRAO (GeorgeM) built pkgs, after "doesn't work" w/o details got context after asking and seems tsys/tant issue so making it SEP. Can has meeting on authn/authz service for JIVE/EVN?

Mark: a certain Dr Keimpema remarked that 2022 NME(s) not in V0 so manually kicked off grovel of new public data on archive, keeps archive machine busy b/c of JackR's bazillion phase center observation; upload to V0 ObsTAP server should be automatic once proprietary period of observation expires, not at upload-to-archiving stage: should run cronjob ~weekly or so. IvanMV visit: PolConvert crash reported by BenitoM happens at end of program ("double free") when all important steps have finished and written results so not showstopper; tried valgrind on eee, but is ancient, \*many\* false positives on anaconda-based Py code using new, unbeknownst to ye aulde valgrind, instructions) [Marjolein: memory is corrupted by the looks of it, need to verify if results are corrupted before signing off on this one?] yes. Spent some time on MichaelJ problem which Des passed on to me.