

WURM, 27-02-2023 13:00 WURM (Library meeting room)

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

Plenary announcements/discussion:

- Wybren: disks were ordered and they arrived!

Ilse: NAEIC Dutch climate survey now has a more realistic time line. Investigating rPICARD get vagrant error [Aard: maybe a permission problem?]. Had the time to chat w/ BenitoM on pipeline; after NRAO VLBI coord mtng, GeorgeM on use of TEC maps, on our website advise is to use them but NRAO sais do not until verified, need data set [Mark: PolConvert computes TEC during calibration, gets better results - should have data in house b/c of IvanMV visit]. Stack of NRAO proposals to read; ORP EVN proposal ongoing, ask Zsolt for experts on variable AGN.

Aard: used NVIDIA Nsight profiling tool on DAS-6 cluster: really great tool! [Others: we had a TEASER talk on that recently, it was obvious A Cool Thing]. Working on evn-monitor documentation; finding that Zabbix tells MySQL to use fixed-point number (four decimal places) - uncertain what advantage is; outlier(s) in uploads - how to handle? (e.g. Mc DOTMON plot shows nothing because of single measurement that's way off: fixed scale not answer, maybe filter or edit database to remove outlier? Started documentation of parameters (sometimes explanation of value X was "X"), document expected units, page on MPIfR Deki. sfxc w/ recent compiler: get warning "comparing pointer to int" ("socket()" syscall ptr in stead of "m_socket" int member), rank errors in FORTRAN binding code: array of length one now passed as scalar: cannot compile with -Werror b/c of warnings [Others: try -fno-<warning> to hide this specific one]

Mark: working on CASA issues; would be nice to have v6.5.5 with all VLBI improvements in; MichaelJ problem passed by Des, fixed, automatic (mpicasa) tests check more than YT so found more hiccups; mpicasa does not run on casa-dev, found alternative to test; reverted scaling fix. [Marjolein: timeline for v6.5.5?] March, but may slip a bit. Have "vanilla" CASA for Ilse to test rPICARD with. Last Fri had VO meeting with YanG, MattiaM and MarjoleinV on response to INAF suggestion(s) for radio ObsCore extension. New online plots: tiny bit of dev - need linear index for baselines. VO update still going: indeed *all* JackR epochs public (~half EVN Archive in size).

Des: PolConvert w/ MeasurementSet access written, not running (or compiling) yet, but at least now know how. NRAO VLBI Coord mtng: request for some more documentation; weighted fringe fit status? Now clear who does what/SumaM available? [Marjolein: yes, talked with BobC] if supp.sci. can show AIPS run + results I can do the CASA bit. Request authentication VM, played ticket ping pong.

Bob: Gabor0 report ANTAB bug: warning antab file not covering whole exp: Ur provides manual file, found bug & fixed. Hardcoded paths in website scripts fixed. DAT tapes: restore s/w modified to handle

DATs (again); issues: sometimes extra 'a' in labels on tape (first record on tape and handwritten label), some tapes ejected after few secs [Paul: have explained that this drive only does DDS[34], 90m tape = DDS1, need other drive], label format correct but no associated .cat file. fb7: working on improved administration to indicate unavailability of flexbuffs.

Wybren: all fb7 data copied to trantor2 w/ new disks; BobE changed db - should be able to restart correlation; issue: some disks needed reseating before being seen by the controller (!), will start scrub on fb18. Power monitoring: SNMP walk returns no power info, neither does IPMI Zabbix template, must use zabbix agent to manually poll, also might want to read more IPMI values [some discussion on how often to poll the power, start with every 60s: jobs typically longer than that and system is running full or not really]. (Lots of) faulty HDD tests requested by vendor.

Paul: for some reason the install of trantor2 delayed ... "new" fb7 can correlate, what about ShivaniB use case - that supported? [Aard: add/change one line in script (PS: after meeting turns out it was double the work)]. VM for Des & Aard ongoing. BenitoM: newer Py3 on home.sfxc.nl? All systems will be upgraded to Deb11 anyway (it's underway), home.sfxc.nl will be last - can it wait; they are "EVN support scripts" [Mark: why these need to be on home.sfxc.nl? Need to find out what ppl are using on prod systems our group maintains or else can be broken/forgotten on next upgrade]. 100 Gbps link issue reported by SURF "clean fiber please". JulianK did that (maybe wrong one of redundant pair): errors persisted, noticed fw link flapping, replace FiberStore QSFP100 multi-mode, still issues, replaced 100 Gbps single-mode QSFP: now clean (module should still be under warranty). Received announcement of NL Zabbix meeting: presentations by Zabbix corp (agenda is lot of corporate blah, few user stories), registered and got mail "thanks for signup, will receive mail in case of place secured" (nothing received so far). ASTERICS website works again - can find own deliverables again. Getting WR questions from Manchester. Want to order fiber to give back borrowed ones.