

ZWURM, 17-01-2022 13:00 ZWURM (COVID-19 wk99)

Present BobE, Aard, Des, Mark, Paul, Ilse, Marjolein

Plenary announcements: the TOG and GMVA will be held 8-9 Feb, need to think of topics to present; EAS should be announced soon.

Aard: BinderHub was moved from sfxc-014 to jupyterhub machine, working on reverse proxy configuration to support both systems on same hardware. sfxc-013 claimed for Zabbix temp monitoring of cluster (in use by operators), will need to move to other system as well. Provided a fix for sfxc handling invalid first frame received, can test in tomorrow's e-VLBI. Excessive /tmp writes [fb11 SATADOM root disk broke]? MPI does most writes to /tmp, maybe direct towards ramdisk? [MarkK:] likely not number of writes, some jive5ab extraction to /tmp + many files? [discussion] any apps relying on content of /tmp surviving reboot? prolly not. [conclusion: try /tmp on ramdisk, see how that works, but only change to that *after* e-VLBI]. Trying to implement a modal dialog for jupyterlab (publishing notebook requires specific information to be entered before continuing) more difficult than expected, work continues.

Mark: JIVE IVORN, registered at EURO-V0, now based on jive.eu (fixed), published EVN ObsCore TAP service; metadata of DACHS instance now correct, spread over multiple files, "JIVE" for organisation, "EVN" for service, waiting for service to be propagated; want evn-vo.jive.eu O/S upgrade to Debian Bullseye, discuss w/ Paul [PaulB: should be an easy upgrade and yes, IPMI console available]. ngEHT Data Mgmt Group nearing stage of sending mails for invites. ESCAPE: onboarding procedure under revision, helping with streamlining codemeta validation. Busy preparing MS calibration table layout for phasecal tones. RadioIG session on pulsar data in V0 outcome: ObsCore extensions required for irregularly sampled time axis; regularly sampled time axis can already be described so doesn't require time-domain extension. Fixed sfxc-gui issue for multiple phase centers, tested locally but want verification during tomorrow's e-VLBI.

Ilse: NTI course req'd a lot of homework (finished) but this week also time required. Applying phase-ref solutions to other N14C3 sources revealed bug in AIPS script (CASA worked just fine), find some small diffs on longest baselines; will look into that this week but is no showstopper for paper. Together with BenitoM try to understand archive CL2 version and why CASA works out of the box. ngEHT black hole + cosmology group meeting on short term to verify science requirements. Hope to start work on SKA VLBI presentation.

Paul: Will be setting up a taskforce for bringing up the new archive machine (MarkK, DesS, BobE, MarjoleinV, ZsoltP, BenitoM, BobC, MarjoleinV). fb2 overcapacity/imbalance under investigation. Have used new archive server for QSFP+ tests (so far 10 faulty out of ~30+), building up case for RMA. New evn-vo SSL certificate requested [MarkK:] restart procedure documented on Redmine. Single 100 Gbps link issues fixed; Mellanox ticket to also indicate that

service (which we pay dearly for) is very bad since NVidia takeover. fb11 SATADOM broken, replacement+spare unit ordered, expected later this week; please remove fb11, fb16, fb17 for e-VLBI (fb16, fb17 suffering pkt loss, possibly defective QSFP+ related). Security audit report: seen more details, not so impressed by quality of pentest, no apparent high impact vulnerabilities disclosed; report shared w/ very restrictive amount of people (sensitive results).

BobE: fb unbalance: created fb usage tool to report/index non-conforming file(s) that take up disk space. JunY: NorthStar ticket "links in justification do not end up in proposal"; investigation reveals it's a single library call and any lib upgrade requires newer Java, which in turn breaks NorthStar (according to ASTRON team) so "won't fix". New archive website: looking at creating tabs w/o javascript, necessary for multi-pass experiments. BenitoM: request for pySCHED to add new target correlator "JIVE-e_VLBI" to help DRUDG do The Right Thing (tm) at the stations. DhanyaN: ANTABeditor completely broken? Investigation reveals conda environment completely empty, took a lot of work but now it works again. If possible e-VLBI tests tomorrow; after discussion prio is sfxc performance @2Gbps MPC, sfxc-gui + MPC, udpsnor.

Des: GeorgeM+NeilS mtng about CASA tech stuff: combining polarizations, uv-range filter; no test for uv-range filter = no tests in gaincal b/c stole everything from that, including "no tests"; combining polarizations: still not sure if using correct factory factory; overlapping solution intervals: old suggestion but is out of our hands, GeorgeM must sign off on this one. Have LOFAR Long Baseline busy week next week, designated to be present at LBA group to help w/ LBA pipeline: if not work w/ AIPS try CASA (but since they're currently equal by design suspect that if former don't work latter won't either). At e-VLBI tomorrow test dbbc_control.py in real environment, awaiting feedback from users. Wideband fringe fit math knowledge now extended, planning to write it up, then investigate speeding it up. CASA build issue: not all pkgs built; tried to reproduce after resyncing master - now it worked: not filed as bug report because currently apparently intermittent.