ZWURM, 04-07-2022 13:00 ZWURM

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

Plenary: please submit holiday plans so's we know about them; also: do consider taking well-deserved leave. Migration of old.evlbi.org: maybe keep website/cgi-bin in code.jive.eu and new web server pulls regularly? [Mark: beware of binary objects so e.g. binary releases won't work that way]; in vlcoffee TOG page was raised (now one page @MPIfR), arrange access to CMS for TOG-chair-du-jour?

Paul: new archive server installation progressing (together w/ BenitoM): pipeline works, remaining issues: both known + unknown expected. Plan to mount in 25 Gbps rack = bust: that rack is an old rack and has the wrong holes, alternative is to place machine in spaces left after removing sfxc nodes. Working on making ledmon/ ledctl(8) tool useful: CLI to light LED of #FAIL hdd, working on automating based on zfs scrub. Requested quote for new WSRT fb (for ASTRON). Network issue: sfxc-e nodes EUNREACH after new optics mounted: had reconfigured port for tests and forgot to reset that config after replacement optics had arrived. All sfxc nodes now on 18.04 or later: can start to work on VM for compilation, $HOME. HamburgNet contact has found other job — seems more like data center market less focus, may need to look out for other supplier. Now that Mark is back: ijk nodes — upgraded but no purpose? [Mark: should be used for 4 Gbps e-VLBI, need to restart that effort?] [Marjo: will take up with BobC & ZsoltP]. Working on presentation for EVN Symposium.

Wybren: working with MartinL, training him on Ansible and system installation on sfxc-l0; expect to reinstall ij+rest l w/ MartinL. Configuring SNMP on test switches. sfxc-k3 runs fringetest vsftpd daemon: cannot get required config to work (anon upload to special dir don't work, with anon login, can download from special dir, does but that is not what's needed), need to sit with MarkK.

BobE: BertH finding more/different errors on older tapes; one record whose meta data is in catalog but record is not on tape — all subsequent records shifted by one. Restarting ORP-PILOT AEON protocol effort. pySCHED: in testing found that not all code writing to sum file ported yet (writing sum file for station). runjob fix for forking during e-VLBI tested and installed.

Aard: eduGAIN, waiting from feedback from SURFconext re question using eduPersonId for identity in stead of email (which provoked SURFconext recommendation: don't do that). Gave evn-monitor some TLC: stations execute zabbix command with lot of detailed (local) info; this is unnecessary so wrote simple wrapper, station data upload now even simpler. (PaulB shares this concern.) Some discussion on which time stamp to use and made a new, simpler, document. Jupyterhub: upgrade MySQL (now same version as on db0) and Keycloak (12=>18, last version to have "legacy" support — upgrading beyond means all URLs change). Q: any 4 Gbps test data avail? Normalization steps (rescaling 4 Gbps data onto 32 bit counter)

needs testin'. [MarkK: can't find anything right now.] [Marjo: why not ask BobC?]

Ilse: handled CASA VLBI paper referee comments: ran several tests to assess performance impact of CASA: slow down x15 or x20, w/ MichaelJ's help make mpirun working = speedup of x7, so total loss is ~factor of two slower, which is acceptable given the better algorithms. EHT Ombudspanel discussion cost lot of time. Writing ORP-PILOT requirements analysis. MichaelJ account on sfxc-k node: please reinstate, is mechanism to share data for tests/bugs w/ MarkK, DesS. ERIS preparations starting up.

Des: single pol issue when combining polarizations for fringefit: some process sets flagged pol to 0 i.s.o. very small non-zero, weights are averaged differently from data: data takes flags into account, weight doesn't, also weights averaging algorithm is 2 / (1/ w0 + 1/w1) i.s.o. (w0 + w1)/2 => having w0==0 or w1==0 leads to avg weight blowing up; trying to find out where weight gets set == 0. u,v-range support: NRAO updating master branch, need to do documentation but very little to do; it's a standard parameter so referring to that should be good enough. Got request to supply list of publications using data from HartRAO.

Mark: need to write trip report EHT+ngEHT meetings (together w/ Ilse). EOPs: modified to call SOFIA C-library fn's directly => precision is now a lot better; need to figure out trick to compare to what AIPS does; AIPS currently cannot even do on EVN data b/c missing EOP meta data in FITS-IDI: wrote script to attach to FITS-IDI so importfitsidi picks them up, need to consider doing this for all EVN data sets.

AOB: next week there won't be (Z)WURM on account of EVN Symposium