

WURM, 12-09-2022 13:00 ZWURM (JIVE ZoomRoom#1)

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

Plenary announcements: it was not communicated widely yet but NWO has agreed to a new CAO agreement implying a salary raise (in two steps) and a one-time extra payment in August. This was brought to the attention of HR and allegedly this will be published in the upcoming AJ Berichten. A shared Outlook calendar for the (Z)WURMs was created but that did not work very well for everyone so it was suggested to create a repeating event and invite everyone (and their mother) to see how that works.

Paul: last remaining VMs on cl[01] will be migrated tonight (ccs, mattermost, redmine) – high-impact machines so needed more time beforehand to inform users about expected maintenance/service interruptions; want to switch off cl[01] tonight; future plan: use for KVM testing – e.g. expected performance gain by moving to Debian (no FUSE layer between VMs and gluster FS). Reboots of auto-patching machines ongoing; new archive machine did not come up after patch?! Have been at Leiden last week, will be at Leiden this week and also GeoffB will visit Dw'loo on Tue. Outlook MFA: on – then off – then on again – off: expected status = OFF, unless self-configured to be ON; status of working w/ hardware tokens: none seem to work. Helped Des with Mattermost bot/interactive dialog.

Mark: Several ESCAPE WP3 onboarding requests to vet; can now tell AardK how to get s/w onto Zenodo and from there into the OSSR. SumaM: PolConvert is broken! Debugging led to finding piece of code where unsure what IvanMV does there: created GitHub issue, IvanMV reacted, proposes telecon w/ Des, Marjolein and me on how to progress. Bug in gaincurve appended to IDI files: tracked to erroneous NO\_POL keyword value (>2) [AIPS \_always\_ creates a GN table first, filling it with contents from the IDI, then checks keywords and if all is hunky-dory wrt to the data shape, renames it to a GC table]. Together w/ Wybren test cluster on new VM head, test suite works, one test #FAIL (generation of new delay tables): need check if floating point noise or something else.

Des: submitted abstract for ESCAPE to the future. Polishing up websites ongoing and PapersDB now handles change in reference of article automatically (more involved than meets the eye). Mattermost integration: form for feedback seems a real possibility.

Aard: operators complain slow corr; investigation: two stations on aribox = slow (x5 slower), only one station = normal speed; observation MartinL: many pools @~100% maybe problem? [Paul: unlikely] [Bob: have suggested tests to Martin] [Overall conclusion of discussion: ddt, Bob will mark aribox as one station only in automated transfer system]. FRB R18 new epoch, had idea: very high DM (>1000) = large delta t-arrival between hi and lo end of 32 MHz band; working through math: delta phase approx 40 deg on EU baselines, should not make fringe disappear; is real effect on long bl but still very small. ESCAPE to the future: registered +

abstract. VMs for ERIS: ZsoltP has M1 Mac ... (i.e. no work w/ Rosetta); VM for ARM - Qemu does CPU emulation too, on own system booted Linux ARM image but no user/pass avail to log in; Ilse: VirtualBox image is tar - on MacOS doesn't work, extract manually and then does work, weird. Need to get pulsar test into sfxc test suite.

Bob: Py2->Py3 conversion ongoing, now manually checked everything 2to3 tool did; found that executables don't do relative imports no more, run into Qt probs: Qwt n/a for Qt4, need to move to Qt5, avail for Py3? Archive website demoed to support group, can start to address feedback. No time to discuss pySCHED in vlcoffee, will send email.

Ilse: NRAO Science Reviews entry into system (quite involved process), this week 2nd half. Joint ADASS abstract w/ NRAO; discussion on open access and costs thereof. ERIS notebook: final mods, now using plotms, which is mostly ok except for multi-plot figures. Working on GEP; AEON work delayed. NOVA ISC upcoming, ERIS next week as well as GeoffB visit, will attend online most likely.

Wybren: new archive machine bug reported last week solved itself. sfxc-e2: PEBKAC, so need to go into control room => not good environment => CAN HAS KVM [Paul: no] Reboot list updated. Looking into iptables, idea to run firewalls? [Paul: y], and maybe use fail2ban on more h/w. 2FA keys: only thing that works reliably is send office phone to mobile to answer. Automatic scrubs: should work; fb18 did it, but not the first time that works and rest not. Updated firmware on sfxc-k NICs but still no work.

AOB: Ilse: 2 Oct open day: will be available to help setup but have other matters to see to in the afternoon.