

ZWURM, 01-03-2021 15:00 (ZWURM through Zoom because of #COVID19 house quarantine/wk51)

Present eBob, Aard, Paul, Ilse, Mark, Des, Harro

General announcement: FIFs/job descriptions are being looked at for translation and actualisation, it is work in progress.

Aard: ESCAPE WP5 AAI workshop wrap-up: presented issue how to handle token from AuthN/AuthZ server into new container/program for use to access services, if there is a better way than using environment variable? Yes: use e.g. "Vault" secret store (<https://www.hashicorp.com/products/vault/secrets-management>); commercial "enterprise" product - experimenting with free version. m-nodes were slow again this week, logs indicate NFS issues. Operators filed bug: error from s/w "scans not in time order" (for individual station have to be); during ZWURM tracked to db2vex changing order, can be fixed by renaming scans; drBob will be informed. Continued development of "EVN Portal" JupyterHub app.

Ilse: ngEHT workshop last week; tough 16:00-22:00 w/ 2 x 15m break; presented CASA/calibration software - raising question: ngEHT - experiment or observatory? (And implications of this); important points from presentation also discussed in EHT software group (LindsayB contacted Ilse about this). Attended EAS and Diversity related meetings, support request from DeniseG to help set up EVN Symposium (successful CASA workshop fallout). This week hope to ~finalize continuum notebook and get new passport.

Mark: Continued work on polconvert solution as generic CASA Jones matrix based calibration: succes, after making Jones matrix frequency channel dependent and have j2ms2 write polarization products in canonical order in MS (j2ms2 writes FITS IDI order (PP, QQ, PQ, QP) != canonical (PP, PQ, QP, QQ)); might make next CASA release as Python tool to transform polconvert solution to CASA caltable; CASA VLBI coordination mtng: no more (JIVE) tickets for upcoming release, hope to get some features into next 5.9/6.3 release scheduled for "June" (expected: September...). Q[Paul]: CASA on Ubuntu? A[Mark]: Redhat still only official platform, if it works elsewhere count yourself lucky. A[Aard]: fwiw Jupytercasa6 image runs fine on Ubuntu. Regarding NWO hack: was volunteered to be part of ASTRON/JIVE security team, first meeting last week, discussed actions to be taken ASTRON wide and likely will want JIVE pro-active actions as well. This week EAVN meeting, have presentation on CASA on Friday. If time available will continue work on removing sfxc output node bottleneck.

eBob: On the archive machine a parallel (development) "site" is hosted, stole CSS from Drupal to experiment with this; there is a meeting this about on this subject later this week. In this morning vlcoffee: EVN Session I/2021 has started, so e-transfers too - some issues with eMerlins: 2x broken flexbuff transfers, connection looks "live" but when issue "stop" get timeout, had to kill+restart, 20 scans not recorded; also capacity and/or I/O probs at Jodrell -

suggest recording at JIVE to help out? Would require jive5ab control port open for outside. [Paul]: Careful: are we setting a precedent here? Also: Jb has no router installed so are in JIVE subnet so access should not be issue.

Paul: Reran network tests on Sunday (presents Mondrianic results): one of the m-node switches to other crates clearly still issue, at least narrowed down to one fiber/switch port pair. Upgraded NTP servers O/S version. Made progress setting up WhiteRabbit equipment, tests may be starting this week.

Des: With help from eBob combined three databases (proposal, archive, experiment) for usage statistics collection, using MySQL federation. Will continue work on fringefit memo [Mark]: there is now a ticket in your name for this.