

WURM 30-03-2026 WURMng Muller room

Wybren: SWEEPS support → Science supp needed, getting questions we cannot answer [Suggest: bring up tomorrow @VLOPS]. Helped MislavB w/ Nextcloud. Install-server renewed incl apt cache w/ https; next: DHCP server (OS + DHCP pkg). After that consolidate Zabbix playbook.

Des: Papers DB: generated three lists, sent to ZsoltP, got them back merged, inserted into db, updated presentation layer. Spent ~ few hours identifying JIVE authors – via affiliation (EHT papers have no affiliation). Python schema for calibration data: based on CASA mostly; will share design in this week's NRAO collab meeting. Code freeze for CASA 6.7 (incl bug fix). Cal tables to SI units? Not all meta data available at right place so needs some work.

Paul: iperf w/ NRAO: doing 700-800 Mbps now. Firewall requirements? [AOB] Surfnet maintenance: all equipment moved including connection. Fri 10/Sat 11 Apr more maintenance; this time 100% ASTRON internal but with complete loss of access (equipment remains on, but external connection gone). Rollout of MySQL backup script: 2/4 done, rest too old, but fixes passwd issue, and all now same script. New marcopolo received, rackmounted, O/S config upcoming. Spent time on SWEEPS (already discussing).

Bob: POLARIS build fail: reverted to older base version; more version mgmt: Keycloak old, check if can be upgraded (this happens at Quarkus level). Breaks on IVOA data model, PaulH working on this; temporarily took Keycloak out of API to be able to continue. Auto xfer prob: Mc stopping their transfers during recording. Session almost finished, last data trickling in. fb22 correlation prob traced to known_hosts, use IP addr in stead of host name. DOIs unavailable in archive? Generated *after* PI letter sent: PI letter goes cc: to jops, BobC reads it, then manual release triggers DOI generation. NRAO data xfers: 17/20 TB downloaded, thinking about how to productionalise, e.g. add to GUI? Request: could 'etc --list' show file size? [MarjoV: yes, "it's only software"] @e-VLBI Ir start sending to fixed port automatically: taken out of fila10g config script. CCS-gamma/Py3: if s/w still working? PyQt now has type info, some escapes in re needed, close to migrating to main branch.

Aard: @T6 e-VLBI double-digit % pkt loss breaking correlator: some solutions (eg new sfxc w/ faster channel extractor, less retries). Better approach: if block entirely invalid do not corner turn at all – test at next e-VLBI. New sfxc split off: require discussion @VLOPS discuss if ok for new prod vsn. Keycloak upgraded to newest version: URL normalisation issues, traced to nginx config issue (added extra "/"). JupyterLab plugin(s): those are based on template, updated to newest version, surprisingly still builds ok. For sfxc-gpu: WOLA kernel cleaned up; turns out per-GPU/resolution combination there is an optimal setting, with differences of up to 20%, should keep mapping of combination to settings. Currently implementing mixed bandwidth.

Mark: optimising reading from fb into GPU; ARM vector instructions order of mag faster channel extractor too. Prefetch of data from HDD into GPU corr; trying to run "just an experiment" (no eMerlins, no NRAO), finding quite often data on few fb's, may limit speed. UCX multihomed issue: solution is to be more specific which interface to use; program will likely become daemon that correlator asks data from. Bug: double buffering w/ RDMA - w/ tcp very large buffers they keep on writing, thereby impacting correlator, fixed to be in sync; now doing ~14 Gsamples/sec from disk (8-9 stations, one fb w/4 sta!). Fix for sfxc-gpu if station only does subset of subbands (conflict w/ Aard work, keep separate for now). Maybe ConnectX in all fb's? Still need ~12 cards to support RDMA on all fb's.

AOB:

- etc/etd (rather: UDT) firewall config was discussed, sounds like some UDT packet analysis may be in order to ascertain our assumptions about port numbers used in the packet exchange
- no WURM the coming two wks