

WURM, 28-08-2023 13:00 WURM Library meeting room

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

Plenary: JIVE review next week, self-evaluation document + schedule should be mailed to you last week. Tomorrow (Tue) JIVE MT will be in off-site strategy meeting, Wed all-day MT mtng in preparation for review. ORP-PILOT 2nd reporting period ended, asked some of you for input.

Ilse: Start M87 paper review and reading thesis after invitation to be on review committee.

Bob: archive2 production ready - that is: all daemons and crons and scripts and tools installed but expect hiccups as real testing start when BenitoM is back. ccs-beta Py2=>Py3 migration: found two jobs@ ... entries in db admin (@10.88 and @ccs) with differing permissions, origin unknown, maybe upgrade to mysql v10, need to check. Disk database for operators revived in own home dir on archive2 (made it work under new php); relocate to services? [Marjo: yes please] will be done when Wybren's back. Started DBBC3 commissioning plan. SumaM reported ANTAB editor problem just before lunch, will investigate.

Aard: BobC question: 4 Gbps exp w/ 128 MHz sidebands veerrrry slow? Mixed b/w 32 MHz vs 128 MHz = x 4 overhead; fix would mean substantial architecture exchange so likely won't fix - try to tinker with setup to be 64 MHz + 128 MHz combo. Continue work on delay compensation module for GPU corr. SNR discussion in sfxc paper this week.

Mark: before holiday upgrade casadev to build using new build system, Des can compile [Des: yes]; continued discussion on combining polarisations if station records only one pol (GeorgeM, MichaelJ involved). DAS6 cluster: investigating fastest way to distribute data, conclusion = use MPI with tags; can use RDMA or GPU Direct, cluster nodes different setups: some support one some other, maybe wait until RADIOBLOCKS own cluster; neither method scales perfectly - with more streams aggregate not max (demonstrated improvement of performance by adding more snd/rcv synchronisation); max about 25 Gbps into one node, will also talk w/ ASTRON. Wrapping up small items this week.

Paul: before holiday Des fixed backup check script (fail on long names), then removed long name, script broke again so "su -" Des'ed and fixed. trantor2: scrub on weekend, correlation made disks trip (WD hdd timeout fail), take out of production; attempt f/w upgrade: 1/4 of hdds #FAIL? Very close inspection: last char of type different - after (awkward) comms with vendor: other f/w, installed fine; rebuild pools, seems fine, put back into production on Thu, correlating fine w/o issues so far; next steps: move all disks to fb7b and rename fb7 and then *finally* move trantor2 to Wb. Power outage: can keep cl2/3 up and spine switches so comms remain. With BobE rebuilt archive2 setup; jop83 db newer than db0 so had to

revert to db1; can now move to test phase. ccs-beta: installed pkgs to be able to test ccs to new version.

Des: working on leave overview system; translate JSON to HTML overview. CASA meeting this week.

Marjolein: implemented multi-socket reading capability in jive5ab, tested in Onsala: capturing 4 x 4 Gbps stream now using four threads = two fingers up the nose.

AOB:

[Bob] MasS question about sfxc error: "syntax error at l1 col1" [Aard: maybe switched control / vex file on cmd line?]
[Ilse] receive invite w/ details in mail, if accepted goes to Bin but not all info copied into calendar, can fix? [Unlikely ... M\$ tries hard to be not compatible with open protocols]