ZWURM, 28-03-2022 13:00 ZWURM (COVID-19 wk109 - this week all restrictions gone)

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

Mark: Involved in upcoming EHT data release; wrote script to verify if ALMA archive contains all that is expected and started a "data description document". JIVE's VO ObsCore TAP service is *finally* registered! Registration through official websites failed for ~ a year now. Following directions by MarkusD, DaCHS can act as publishing registry itself; after a few rounds of meta-data correcting (takes approx six hours minimum for the rest of the VO registries to pick up changes) and checking the service is now _finally_ findable in the VO! JIVE coffee cookies are expected in the near future! Made edits to supp.sci. fringetest script to allow multiple datastreams in VEX2 so be alert for changed behaviour. Spent time reading INFRA-TECH proposal text.

Paul: One positive point of the new mail system: the jive-root at jive dot eu account (messages about disk full and other events) is now a shared mailbox and can easily be read by multiple people, addressing the "bus factor". code.jive.eu had its disk space grown by +3GB then by +5GB and still filled up to the tune of rendering the service unusable; root cause: release tag creating .tar.gz file(s) which weren't cleared up (installed task that does). Plan Mattermost upgrade today after CoB; big upgrade, have rollback plan available. At around 12:06 local last Wed all e-VLBI streams stopped; investigation: data still coming in to JIVE, not being read: jive5ab logs reveal UDP packet of wrong size received on all readers = port scan from outside on JIVE IP range [MarjoleinV: EskilV reported a similar incident the next day and reported an issue in jive5ab's github]; can discuss in-app solution(s) offline? New archive: HDDs installed last week; migration plan ongoing. fb3 disk usage: two pools @96%, rest at 84% - unlisted use on those pools? [BobE: yes, MeerKAT data]. This Fri plan next step in ASTRON 100 Gbps migration. The powerglitch from last Fri around 18:00 resulted in a lot of Zabbix errors b/c only a limited amount of machines were up during the weekend [MarkK: machines on UPS not behind the relay switch to keep them off after power fail?] A: no they're on UPS and the UPS is on regular power so if it comes back UPS goes back to hibernation.

Aard: Jupyterhub plugin to commit notebooks now works! Unfortunately (*) gitea doesn't do submodules in main repo (git can) so now what? Copy notebook in? (*) [MarkK: Stay away from submodules if not strictly necessary!] Bug reported in Jupyterhub: if html session left inactive for long time, session times out but not login; we run old Jupyter kernel: updates exists but async Python breaks the whole image. Have an FRB epoch that doesn't correlate - eMerlin data likely causing sfxc to hang (coherent dedisp): hypothesis is that it's a mixed bw issue.

Ilse: attended IVS VLBI School last week (four days x several hours w/o breaks); excercises were not really excercises but demos; the

imaging notebook is really good. Have CASA VLBI paper busy week this week; generating comparison plots very difficult since both packages do put slightly different amounts of data in MS but all in all paper in good shape. NOVA ISC assessor mtngs this week, not lot of time but requires topic switch, which is a bit hard; some EHT stuff this week.

BobE: Ran e-VLBI test period w/ "udpsnor" protocol, no observed problems: should do in production? [MarkK: sure, but maybe analyse one hour of weights of udpsnor from test period and one hour of prod evlbi to see if weights are measurably different.] Runjob load profile issue: expect Ir 32m got 16m, thus edit VEX file: can not load profile; fix is to try to load as much as possible. NorthStar server operating system: got NorthStar to work on latest O/S so only the JAVA is old; work remaining is some port redirecting/forwarding (using nginx). [PaulB: what are security risks of such old JAVA?] A: it surely predates log4j CVE but likely other security issues since not upgraded in ~10 years. [MarkK: update the code base to run on newer JAVA?] A: this was attempted by ASTRON long time ago but way to many things do not work in new JAVA, too much effort b/c almost rewrite. [MarkK: Maybe put in a DMZ?] [MarjoleinV: Not a bad idea]. Two pySCHED requests considered: put EVN setups in catalog so no mailing of setini's around no more and user request to enable SUNAVOID warnings.