ZWURM, 18-01-2021 14:00 (ZWURM through Zoom because of #COVID19 house quarantaine/wk45)

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

Announcement: IlsevB was admitted into the VO school in Feb 2021 (oversubscribed, max. number of participants); will check with ZsoltP and BenitoM about their admission state as some were on the oversubscribed list too.

Des: Implemented solution to fringefit memory consumption which reduces mem usage by half; fold in with all other edits to provide package(s) needed for MichaelJ EHT processing. Prio#1 since validation before end January 2021 desired (eligible for inclusion in next release). Working on RoboZsolt PaperDatabase to produce working prototype this week; need change from old CGI infrastructure to more modern framework as some state needs to be kept between calls.

Aard: Got ESCAPE IAM authentication on Jupyterhub but that only supports one type of login (the "pluggable" apparently means: only the one AuthN method you can have). Discovered keycloak (keycloak.org) which DOES allow > 1 AuthN methods to be active at the same time; can mix local accounts, social logins, and e.g. ESCAPE IAM! Next: need to think about AuthZ. Attend ESCAPE WP5 workshop on AAI AuthN/AuthZ Infrastructure this week (timely!). Remark for Paul: hyperthreading should be turned off on nodes; tomorrow's e-VLBI unlikely affected but still.

Ilse: Progressed with Jupyternotebook verification and AIPS/CASA comparison in such environment; tried CASA6 in Anaconda env - no success (lib dependency issue(s)). Unclear how to get MS metadata info (time/freq setup) for easy comparison to e.g. AIPS. After analysing EHT notebooks: no smart comparison algorithms, just data transformations :-(. EAS preparations: first speakers confirmed. LOFAR long baseline papersplash coming; no JIVE co-authors but JIVE's CASA work mentioned. Spent time in the archive, looking for datasets for notebook comparison.

Paul: 2 Mk5's died over the weekend; power cycling seems to have revived them. "evn-vo" now externally visible, certificate requested. cl2/3 installed (zfs, ansible), now deciding how to best partition/organize storage. Received quote for cl2/3 storage expansion to run TUM Monitoring System. Will be @ASTRON this Wed, KlaasS/JulianK want to do more tests before switchover to 100 Gbps (good idea); separate monitoring machine for monitoring both ASTRON/ JIVE 100 Gbps network (and other bits), delay JIVE internal monitoring system (serves totally different purpose). Moved WR equipment back into lab; will run tests w/ new f/w and deliver measurement report to SKA. Remark[Ilse]: Huib and myself (and Mark) don't seem to be getting any/all EHT mails - know anything about this? A[Paul]: unfortunately, no.

Mark: Exposed "evn-vo", some config tasks remaining; TAP service
running + tab for (manual) ADQL input; all NMEs imported, now
scraping public experiments: errors in FITS files and code — need
workarounds and fixes; before opening up to full VO some questions
still need answering. CASA tickets: pull request for gaincurve!
ACCOR branch basically ready but depends on casacore ticket. CASA
documentation moved to readthedocs.io but JIVE staff no access
(yet); will mention in CASA VLBI coordination meeting this week.
MichaelJ promotion happened, mentioned JIVE CASA work few times.
ESCAPE WP4 discussion on adding (radio) pulsar data into the VO; EVN
has two data products: binning (visibilities) and filterbank (for
e.g. FRBs), but is not generally a pulsar/transient instrument.

eBob: NorthStar: managed to link data rate to observing wavelength,
asked dr Bob if ok to deploy. UweB reported pySCHED bug w/ latest
matplotlib; will think about automatic testing since matplotlib
updates are quite frequent. BenitoM report bug when run/test ANTAB
editor, found issue with code.jive.eu that mail notifications do not
work. Q[Ilse]: in archive, some pipeline pages do not work for some
experiments. A[eBob]: issue in Drupal code, will wait for new site
before fixing. Remark[Ilse]: link to user guide also doesn't seem to
work and user guide is difficult to find to begin with. A[Harro]:
can talk to Aukelien to see where best to fix that.