

WURM, 25-03-2024 13:00 Strategy WURM Library meeting room

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

Going over the high-level topics in the Projects list on the JIVE Redmine:

- svn/git

vex parser (db2vex/vex2db), proposal tool (2x), sfxc: all on svn.
vex parser: migrate to git (Action Marjo to create ticket for Des)
proposal tool: tried to decouple proposal tool code from ASTRON libs but too interconnected; risk if ASTRON would discontinue hosting; mitigation could be copy whole svn repo on code.jive.eu but requires checking w/ ASTRON if that's ok; for now leave as-is: creating and hosting a (full) copy is easy enough if & when needed. (Action Marjo to check w/ ICT plans re. svn)
sfxc: Aard + Mark are on the case

- centralised user A&A

would also need to link to LDAP, so webapps can be added to webapps: Keycloak acting as intermediary because preference is that webapps do not talk to LDAP directly.

- containers for app-like tools

VMs take up quite some resources, maybe lxc containers could be lightweight alternative, also managed by Ansible, but are less isolated from the host environment.

- sfxc-gui to Py3

e-VLBI run done, looking good. Now can start upgrading out.sfxc; home can be updated to lowest O/S in the cluster.

- EOPs in FITS files

discussed at vlcoffee: deemed A Good Idea, so three-step plan described in ticket

- alt weighting scheme

scheduled to work on this week

- improve monitoring

switches need to be updated so requires some planning as it will disrupt operations; besides updates also want to implement configuration changes. One link /not/ redundant = link to ASTRON; if that would be available can upgrade one half of the path, switch over, upgrade other half, w/o disruptions. [Marjo: but config change will not work like this, right?] Indeed, this only works for upgrades, not config change.

- updates

turns out to be difficult to find time to reboot machine(s) before next update: production correlation load is really high.

- trantor2

replication needs to be set up, unclear to set it up whilst it's

still in Dw or to wait until it's at WSRT; at WSRT needs to be moved to other HF shielded room, need to request placement.

- tape library

got quotes from one vendor, need to discuss w/ Mark but also ask quotes from other vendor(s); point is the caching area: how much storage and how expensive?

assumption ~50 TB / experiment, would like to have 100 TB [Mark: for correlator is not only storage but also need nodes (CPUs) b/c of inute node functionality]

A0B:

- pkt loss issue: almost 1:1 relation to specific NIC and it not enabling irq coalescing by default. Will try that and see if improvement.