

WURM, 07/11/2016, 13.30. Arpad's room

present: Harro, Ilse, eBob, Arpad, Paul, Des, Wybren, Jonathan

Harro: looking at new features of C++11, see if can be used for file transfer program. SFXC-JUC comparison ongoing, but problems with SFXC correlation, turned out to be error in control file, however, still does not work properly. Wait for Mark. Seg violation reported last week has been fixed.

Ilse: playing around with CASA processing for VLBI, did 2 NMEs, one of which failed. Did a few newer NMEs, all of which fail right away. Also, found 2 different ANTAB files for Wb, very mystifying. The way Tsys is appended seems to be somewhat flaky. In short, need Mark. Also talking to EHT people, who want simulations to simulate everything. But there is no man power. Only SA still doing simulations, but will not release code, leverage to get members of EHT collaboration.

eBob: showed semi-automated ftp fringe test to support scientists, only two telescopes available, Ef and Hh. Ef of course kind of important. They seem to agree it might be a useful tool. Old mk5s can only do this at 512Mbps, once everybody has flexbuff life will be easier. Working on selection of jobs based on time, for the operators, in case of e-VLBI. Will also look at reproducing (and fixing) issue of data loss while recording at JIVE during e-VLBI.

Paul: upgrading VM cluster. All internal stuff migrated, but some down time will be necessary. Should be done this week. Wonders about zabbix, whether it is worth putting effort into upgrading. Rather upgrade graphs, look into alternative for zabbix. Only Mark and Martin seem to use zabbix, ask them first.

Des: implementing SN threshold exactly like in Aips. Ununderstandable, but needs to be done. Then HOPS method as well.

Wybren: all that Paul said, plus cleaning up Mark's machines. Finishing documentation. Mirror of backup to Trantor was started last week, not sure it works yet.

Jonathan: added statistics counters. In theory it might happen that data get read and written at the same time. Check for this. Two more registers, to see if data end up in +1 sec bin or -1 sec bin. If this happens often, might be time offset at station. Will also enable the return of small packets (not to lose address info on switches). Each packet, but only header, should not be a problem for network.

