

LOFAR Software Development update

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Upcoming Release



LOFAR Release 2.11 will be rolled out on Monday June 29th.

Highlights:

- Introduction of casacore 2.0.1 on most systems
- Many bugfixes and usability improvements in MoM
- A new message broker enabled version of the software handling data transfers from CEP to the LTA (a.k.a. LtaCp)

Full release notes on the Wiki:

http://www.lofar.org/operations/doku.php?id=engineering:release_notes_lofar_2.11

Roll-out Preparation

- The software development team is currently busy with testing the rollout using the “Integration test system”, a whole-team effort!

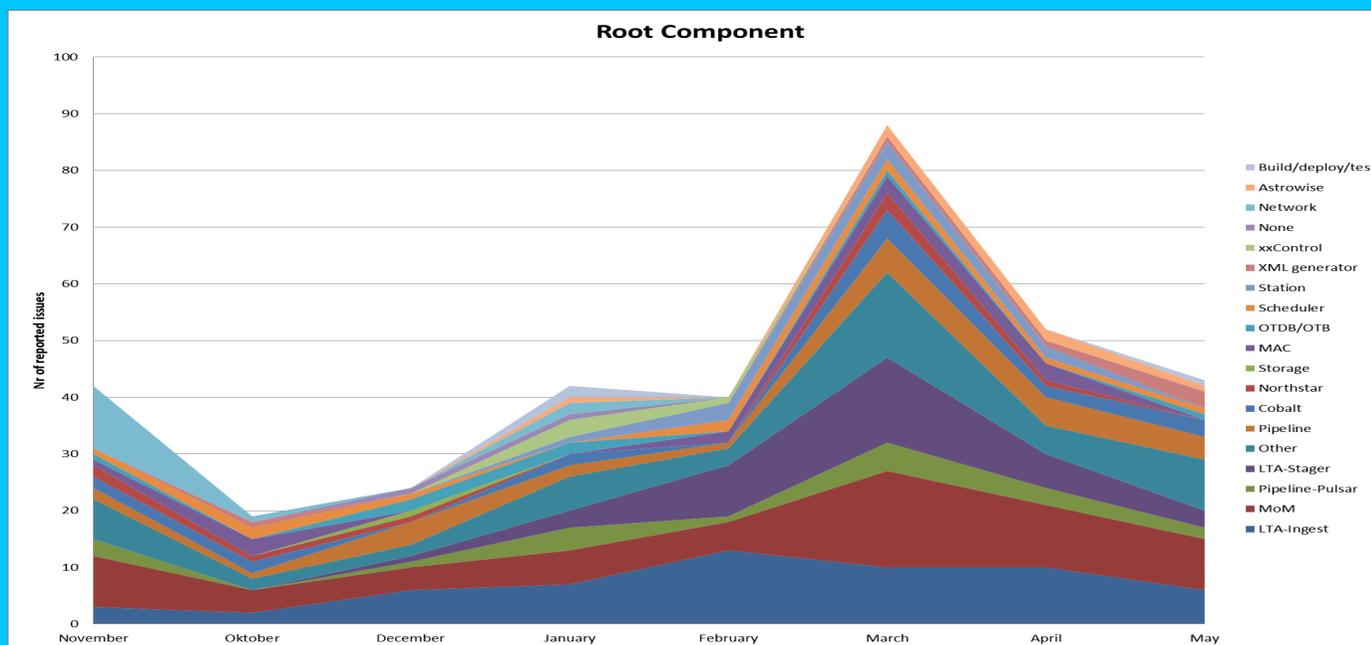


Other news/efforts

- A new developer, Jorrit Schaap, started on May 1st. He will initially focus on Ingest/LTA development
- Support for SelfCal pipeline testing in cooperation with CITT and Science Support
- More robust pipeline framework, also needed for SelfCal, using the QPID Message Broker infrastructure (almost done)
- Much support provided to CEP network reconfiguration in May. With great result!

Software Support report

- Software engineer on duty every day; rotating between available software engineers
- Point of contact for Science Support, Operators
- All issues registered in Redmine -> Allows (objective) identification of parts of the system that need improvement



Upcoming developments

- Main items coming two months:
 - Preparations for running TBB as an operational mode
 - Deliver 160-MHz (mode 5) as an operational mode
 - New pipeline framework with message bus communication
 - Preparations for CEP-4 cluster arrival/acceptance