

LTA status

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Lofar Status Meeting

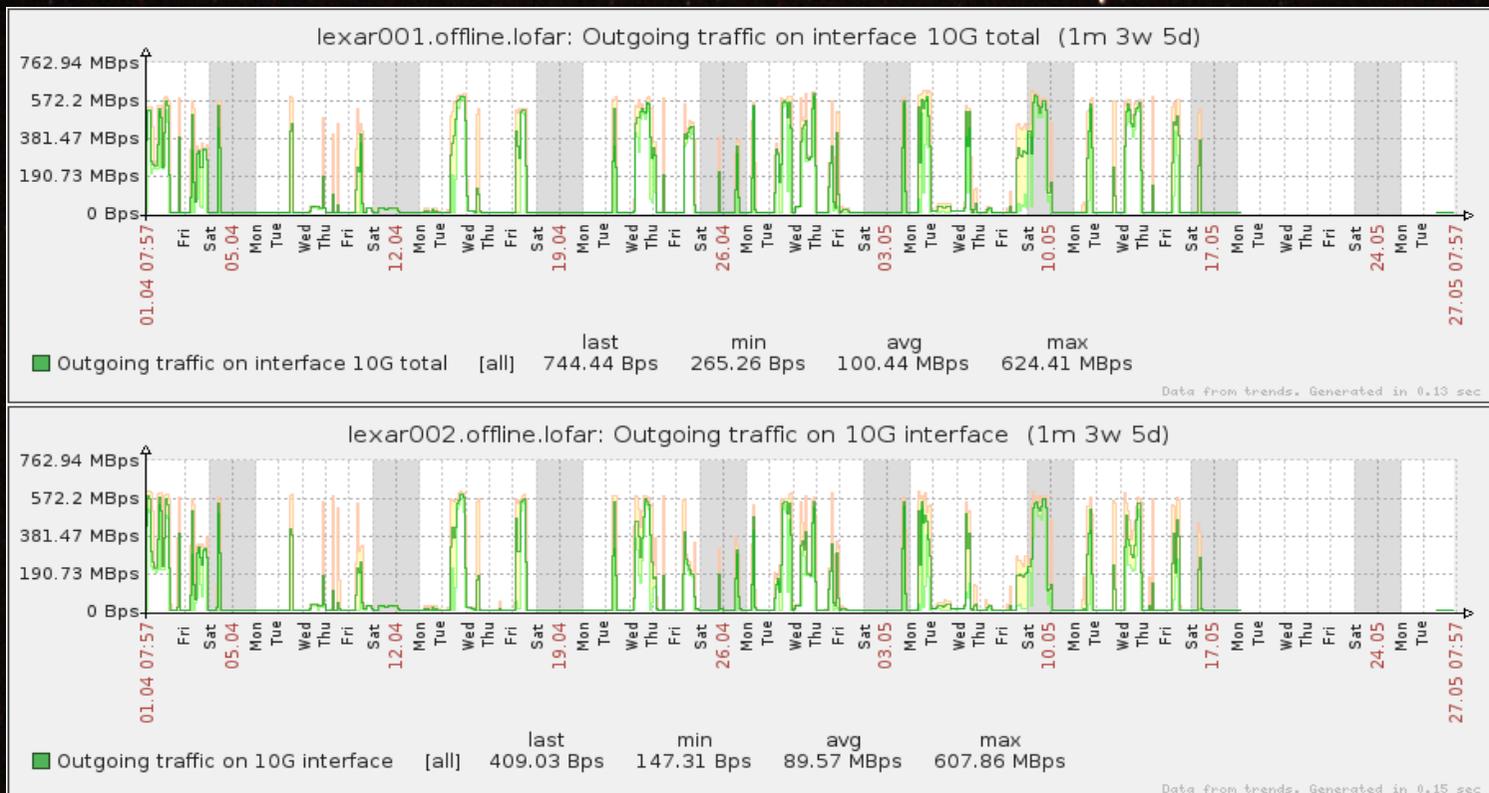
27 May 2015

Results

1 April – 27 May



Data transferred to the LTA: ± 779 TB + transfers by EoR
Data staged/retrieved from the LTA: 387 TB
Total stored: 18.6 PB (4.8 Jülich/11.8 SARA/2.0 Target)
Total staged: 3.4 PB + EoR + pulsar + CR + other



Uptime

1 April – 27 May



Big interruptions (several days to weeks):

- Observations with international stations interfering with ingest to Jülich. (occurred before, needs to be investigated)
- LTA login server down (SSL cert, network, disk problems)
- Too many staging requests crashing servers at Jülich, also bringing down ingest.
- Ingest MoM crashing with OutOfMemory errors due to corrupted project in database.
- Certificate Authority switch at SARA.
- Database corruption of Pulsar and other projects due to errors during Qpid roll-out.
- Network reconfiguration.
 - Ingest for 2 weeks down (planned).
 - Staging down for 2 days (unplanned: documentation error).

Uptime

1 April – 27 May



Big interruptions (several days to weeks):

- LDAP server problems at CIT.
- Outdated software in the authorization system for Staging and ingest.
- Download server overloaded and ran out of memory.
- SARA servers overloaded due to other GRID users.
- Pulsar pipelines getting ingested as Unspecified.

Various smaller issues (less than single day)

- Stop days.
- Network interrupts.
- Users with incorrect firewall setting unable to download data.
- Running pipelines scheduled for ingest before finished due to UI inconsistency.
- Password issues? Resetting passwords solved it but it's not well understood.

Work and plans

Ongoing:

- User Ingest.
- Public release of LOFAR data.
- TARGET-SurfSARA network from old BoD to MSP.
- Data transfer tool (Itacp) improvements.
- GridFTP/SRM service Target/RuG improvements (cycle 4).
 - Not only EoR access to the stored data.
 - Download server.

Implemented:

- First public release of LOFAR data March 2nd <http://lofar.target.rug.nl/>

Planned:

- More monitoring improvements.
- More monitoring visible to users.

Other

- New developer: Jorrit Schaap.