

# XRootD usage at GSI

XRootD and FTS Workshop @ JSI, Ljubljana 2023

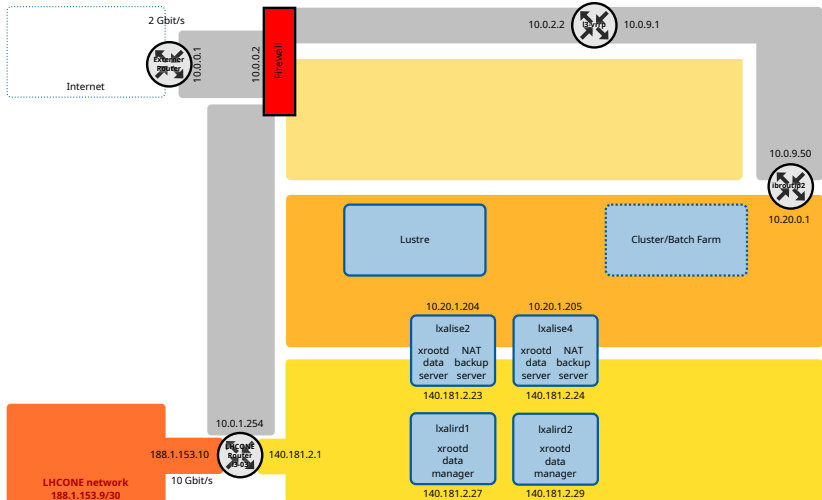
Sören Fleischer

2023-03-29

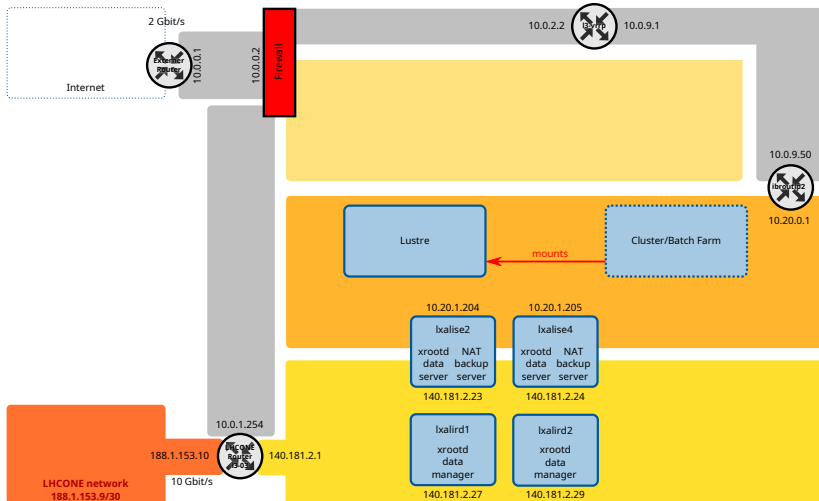
## ALICE T2/AF

- 3 2 XRootD data servers running Debian 10 (Bare Metal)
  - localroot on a shared filesystem (Lustre)
  - Lustre Quota Plugin
- 2 XRootD redirectors / data managers running CentOS 7 (VM)
  - Local Redirect Plugin
- 0 XRootD proxy servers (since 2019-02-13)

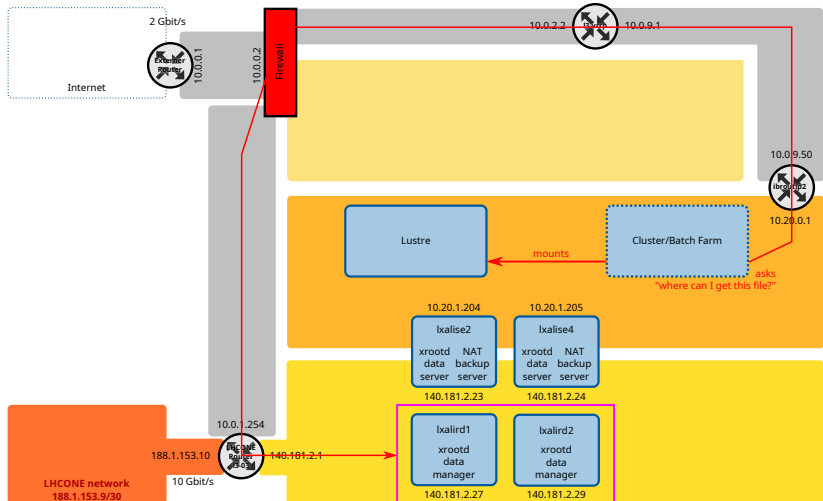
# High-Level Block Diagram



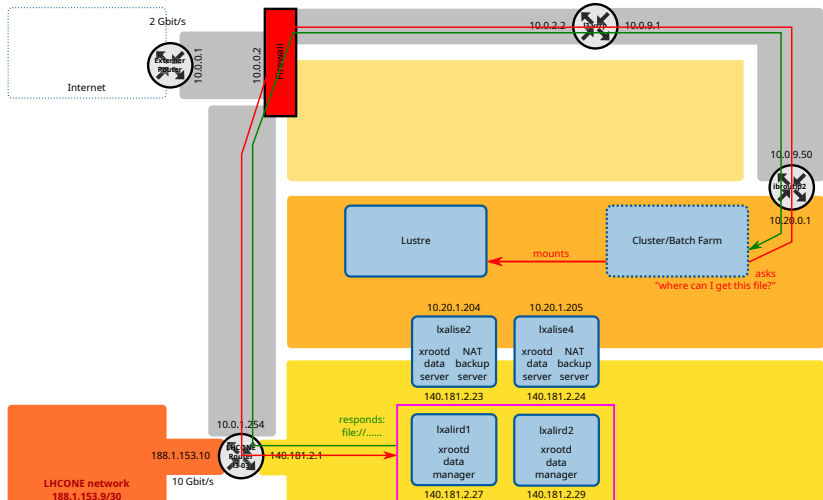
# XRootD Local Redirect Plugin



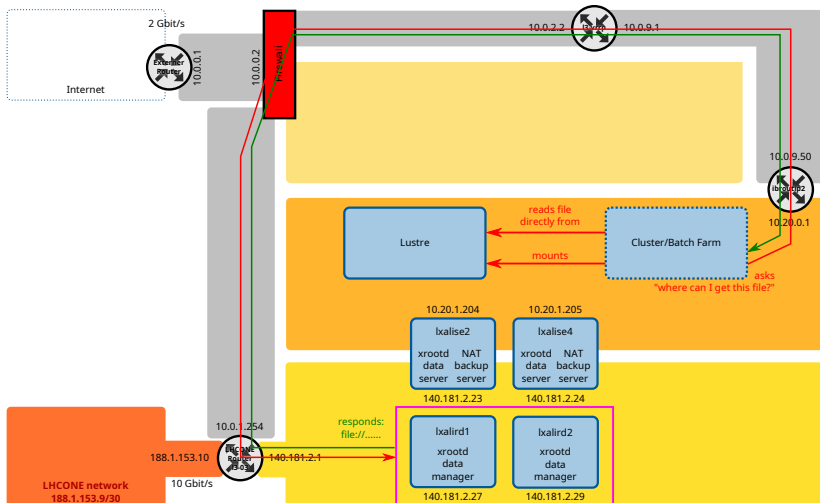
# XRootD Local Redirect Plugin



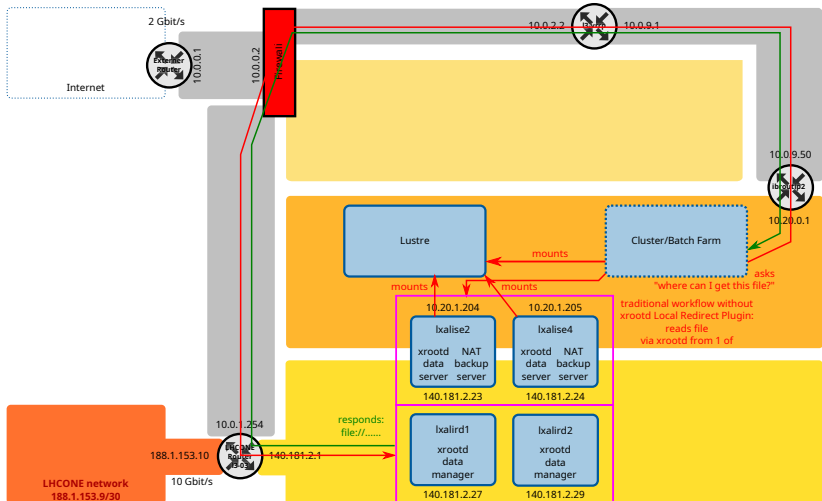
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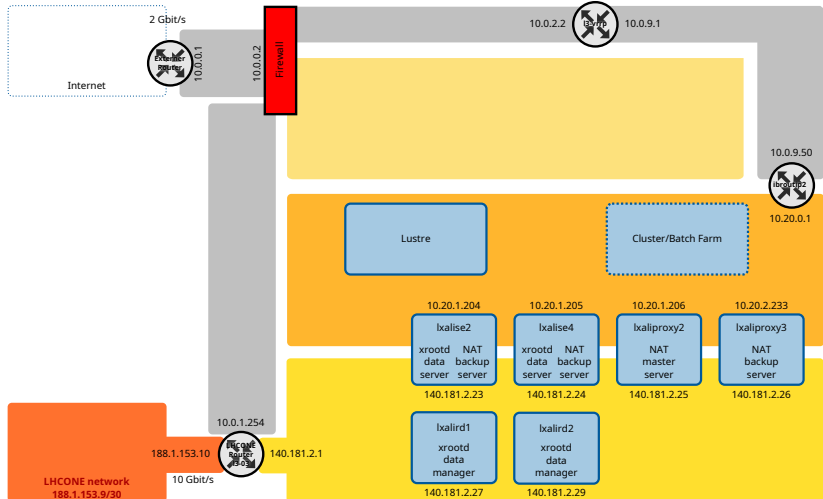


# XRootD Local Redirect Plugin

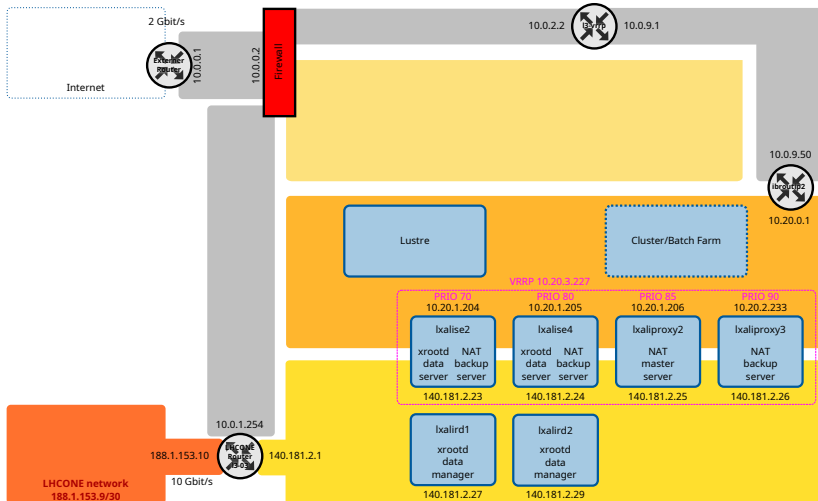




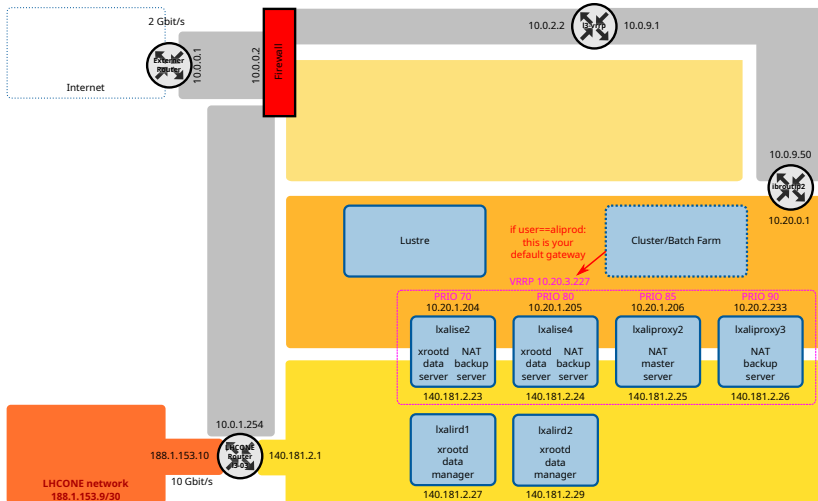
# alinat (Replaced XRootD Proxy)



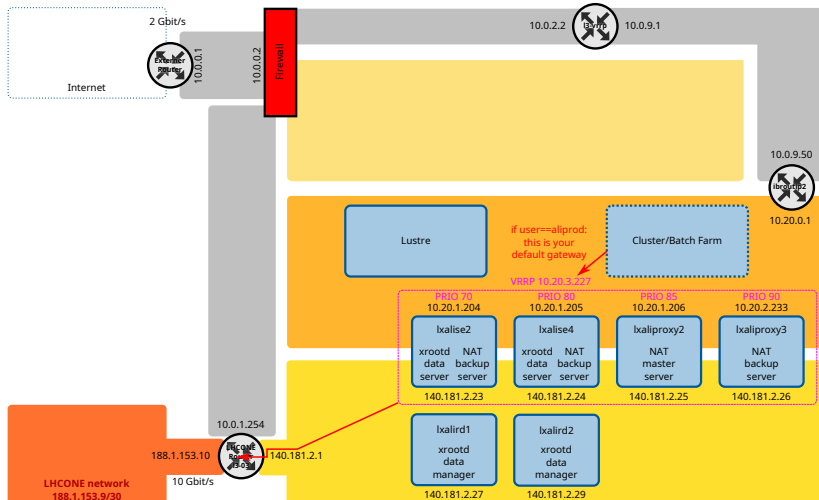
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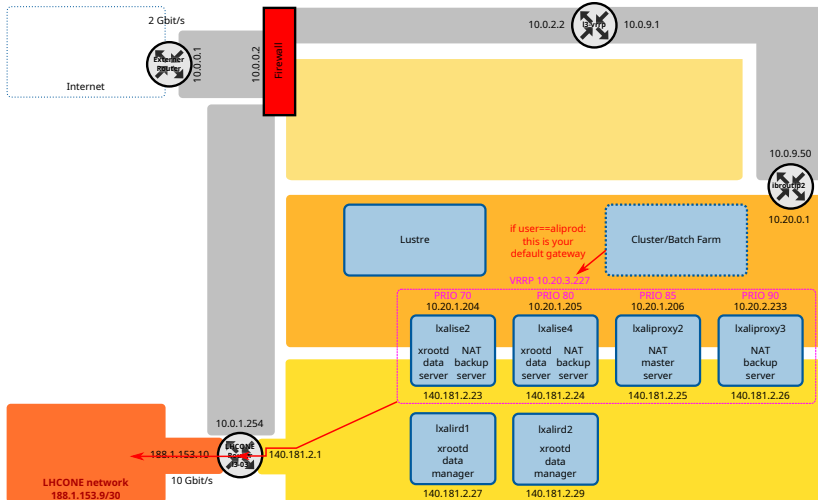
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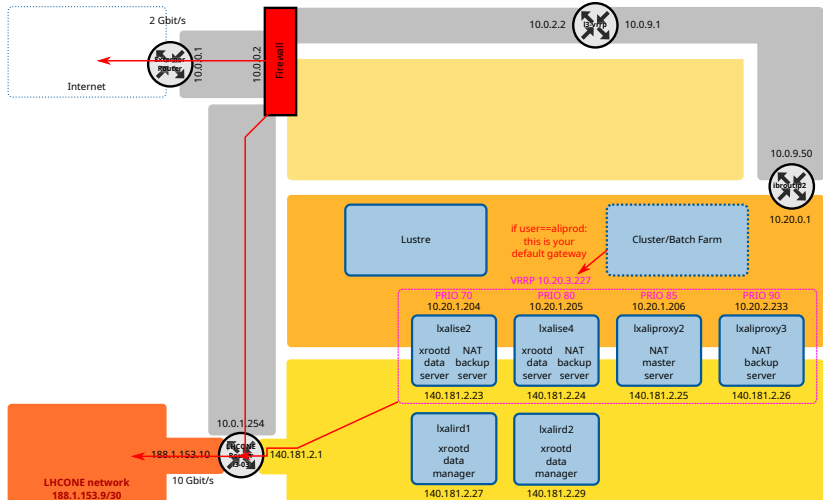
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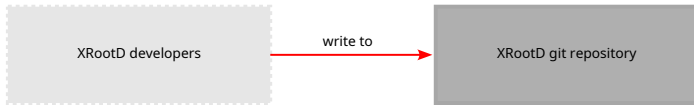
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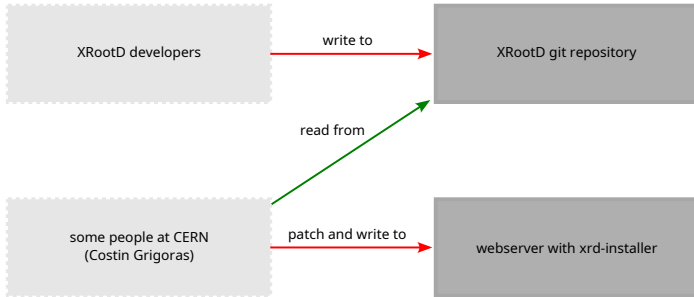
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# Current Packaging Flow

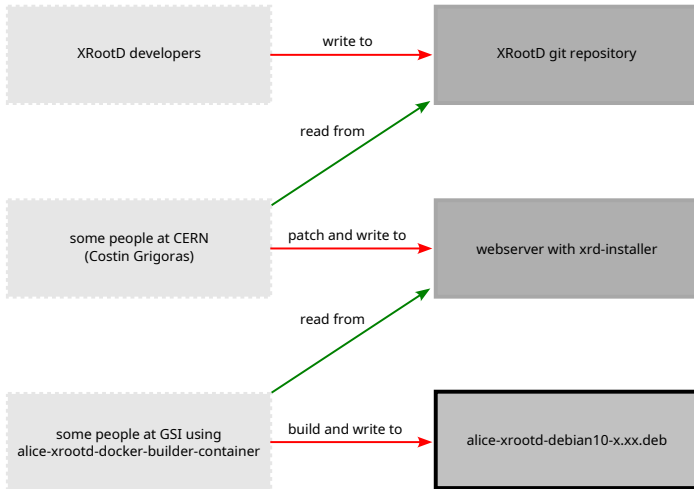


## Current Packaging Flow

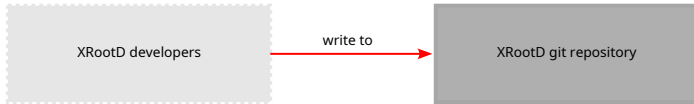




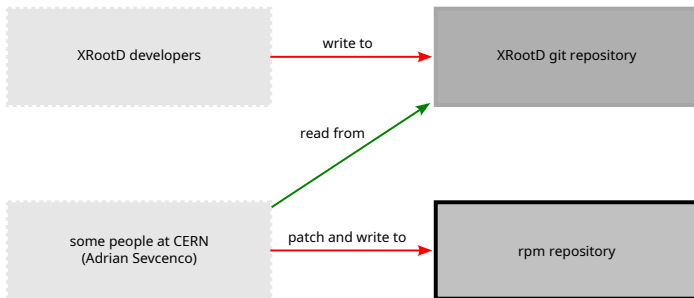
# Current Packaging Flow



# Envisaged Packaging Flow



## Envisaged Packaging Flow



## XRootD @ ESCAPE

- Data Lake
- Custom compiled XRootD
- Project ended/resurrected?
- Compilation/provisioning workflow developed by P. Kramp / M. Szuba a few years ago
  - Neither of them work at GSI anymore
  - Workflows broken, in the process of being repaired

## XRootD @ PUNCH4NFDI

- Project with AAI
- XRootD (data server) with SciToken
- “small” Lustre instance
  - Using local storage while the Lustre instance is inop
- no XRootD redirectors

# XRootD @ PUNCH4NFDI

