CASTOR and GridFTP

Emil Knezo
PPARC-LCG-Fellow
CERN IT-DS-HSM
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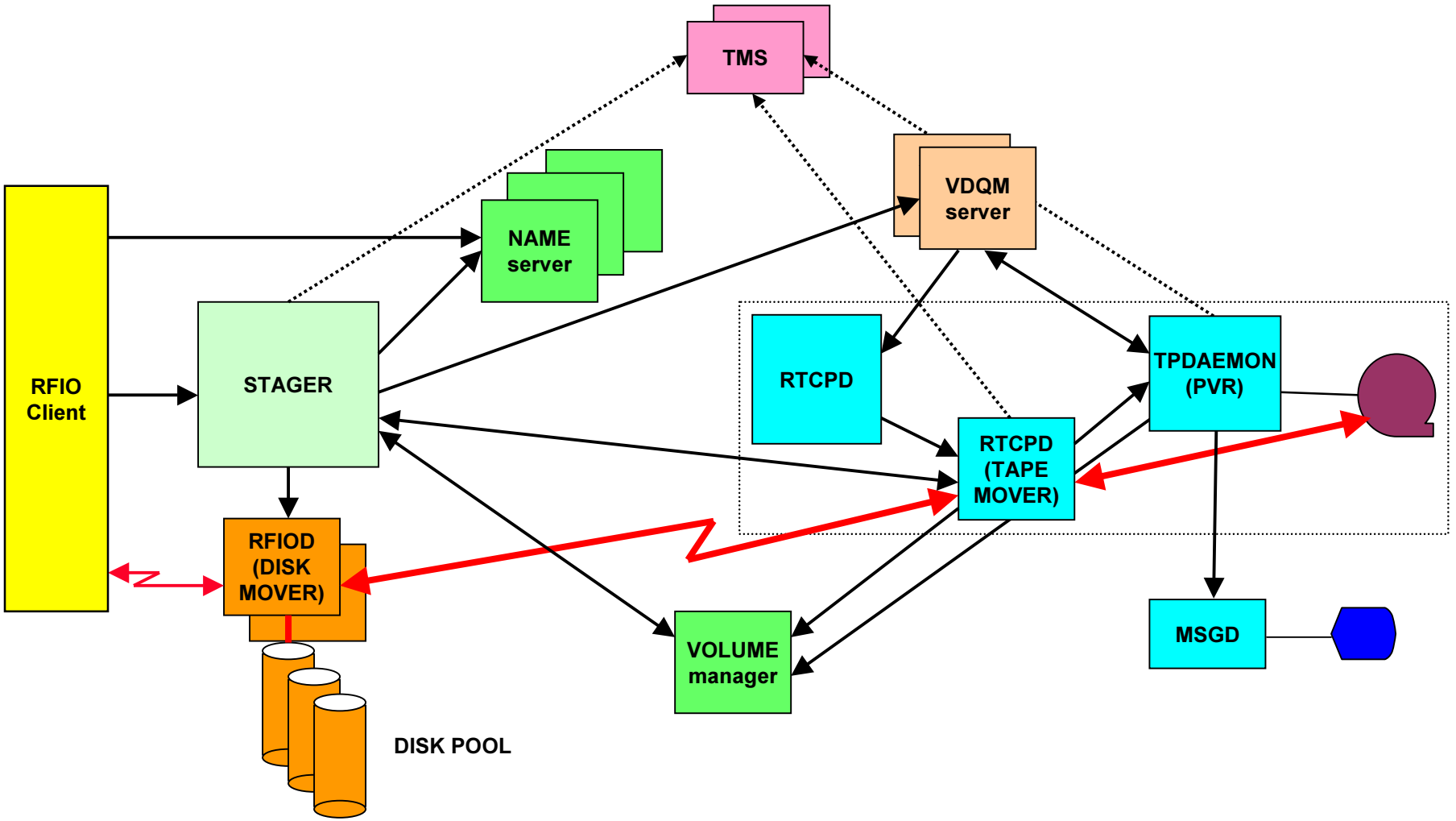
Agenda

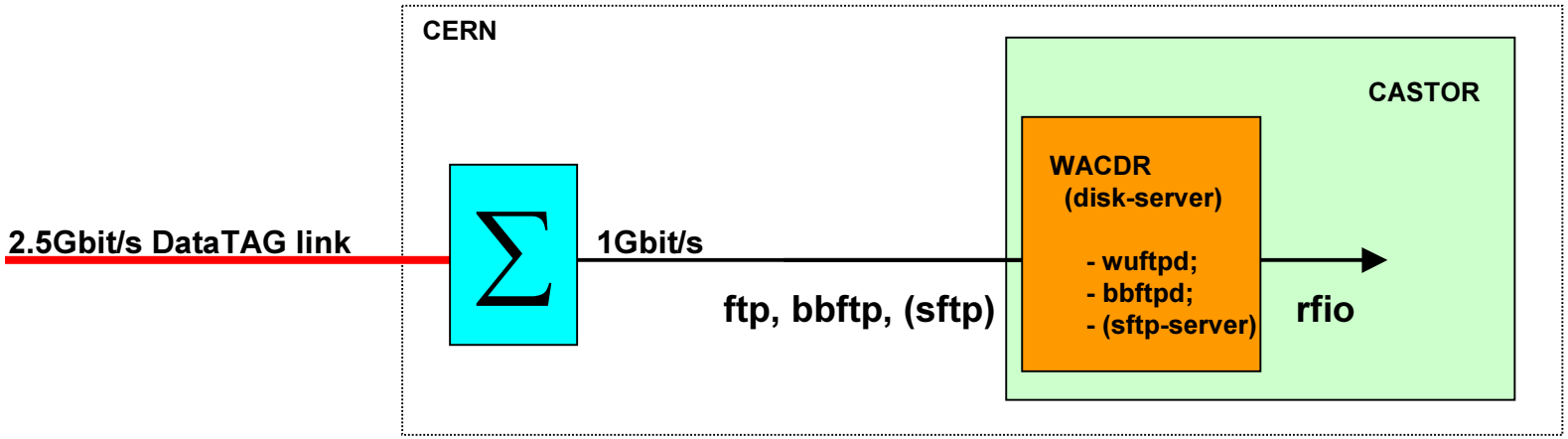
- Current CASTOR connection to the outside world
- GridFTP status/plans
- GSI-CASTOR code integration status

CASTOR layout



CASTOR and outside world

- **Current CASTOR connection to the outside world:**
  - ftp
  - bbftp
  - sftp (from mid. September)



GridFTP plans

- **GridFTP access to CASTOR via "wacdr"**
  - GSI authentication in wacdr
- **Make GT2GridFTP server CASTOR-compliant**
  - GT2GridFTP core is wuftpd-2.6.1 (CASTOR-compliant)
  - Not clear yet if all GridFTP extensions to vanilla FTP will be supported
- **Delivery time -- mid-October**

Restrictions & known problems

- **Restrictions :**
  - Users without CERN-account can access CASTOR only via pool-accounts.
  - No CASTOR-to-CASTOR copy via GridFTP
- **Problems:**
  - Connection timeout for not-staged file
    - Staging time can reach up to 2hrs.
    - No instrumentation in GridFTP/Ftp protocol to prevent this timeout

GSI-CASTOR code

- **GSI-CASTOR version-2 (April 2002)**
  - Not tested with CASTOR yet and therefore not in production
  - Based on CASTOR-1.3.4.6
    - meanwhile -- changes in CASTOR
- **To do:**
  - Make it CASTOR-1.5 compliant
  - Test & put into production
  - Not before Christmas