FTS status and plans

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Enabling Grids for E-sciencE

- **FTS 2.0 is the latest stable version**

  – Released on SLC3

  – Most sites still run this version

- **FTS 2.1 is the recently released stable version**

  – Released on SLC4

  – Installed at CERN in parallel to FTS 2.0
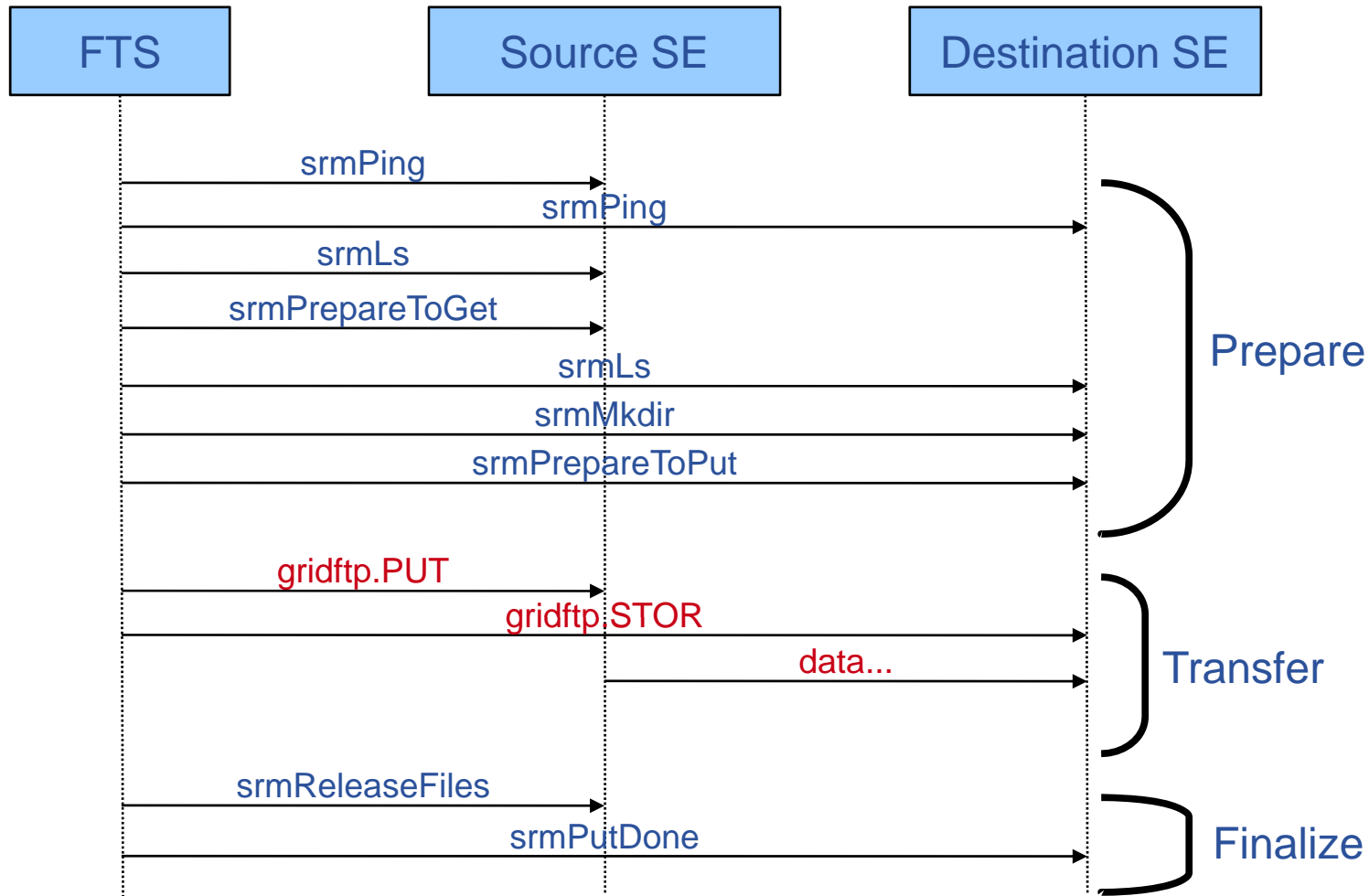
- **FTS 2.2 is the next major release**

- **...**

FTS 2.1 is released on SLC4

- **Error classification to improve framework integration (category, source/destination, operation phase)**

- **Channel parameters moved to the DB**

- **New transfer options**
  - Handling of source space tokens (url-copy channels only)
  - Optional target directory creation (channel option)
  - First transfer marker timeout (channel option)

- **Dependency cleanup**
  - XalanC and XercesC is replaced by libxml2
  - log4cxx is replaced by log4cpp

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The next major release is FTS 2.2

- **srm/gridftp split in url-copy channels**
- **Fixing the delegation race condition**
- **Refactored job scheduling SQL**
- **CLI tools for channel parameters**
- **Handling of multiple space tokens (like lcg_utils)**
- **WLCG SRM Addendum to MoU**
  – Handling of source space tokens (srm-copy channels as well)
  – Passing extra transfer parameters
- **Compliance with the gLite logging recommendations**
- **Smarter timeouts for large files vs. stuck transfers**
- **SL5 release, besides SLC4**

- **Improving framework integration**

  – New WS-I compliant WSDL for pure Python ZSI client API

  – Live transfer information: percentage/byte count of active transfers

  – File/transfer status notification via messaging or RSS feed

- **Proper release of the helper SQL schema and scripts (versioning, packaging, etc.)**

- **Making use of new Glue2 attributes**

- **Web interface for channel administration**

- **Simplified configuration and startups scripts**

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FTS <= 2.1: channel = sum(Prepare + Transfer + Finalize)
FTS >= 2.2: channel = sum(Transfer)