ESCAPE Roadmap @ CC-IN2P3

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Testbed setup
  - Transfers

Serverless, FAAS
  - Triggering actions following an event.
  - Use case
  - Will be presented to a future WP2 meeting

Rucio instance for Nessie testbed.

dCache access tests
  - through NFS door or plugging some NFS system

XCache
  - Access of FITS files
  - Understand and test with remote sites (Asia, Japan)

Authentication, Bearer tokens
LSST on Grid: event-driven approach

- Simulating LSST images on the European Grid
  - jobs submitted via Dirac to computing sites in Europe
  - data products uploaded to LSST dCache SE at CC-IN2P3
- Go daemon listens to dCache events
  - events filtered by topic, message type and upload folder
  - if the file matches the criteria, trigger HTTP download from dCache to destination (/sps/lsst local folder)
- Proof-of-concept successfully tested in a production environment (>100K files and >10TB per week)
  - apply same principles to other use cases (ex: automated data processing pipelines)?
  - make use of Apache OpenWhisk to execute various codes in response to various events (function-as-a-service architecture)?