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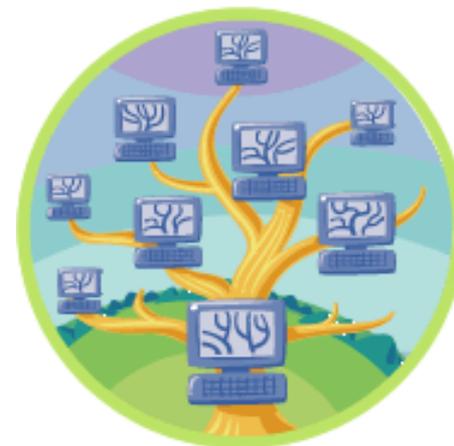
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# Catania Site Report

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- Mega Merge
- LBProxy support
- Job Provenance Integration
- BugFixing
- Open Issues & Future work



- **Mega Merge**
  - ★ Merging glite\_1\_4 branch into head.
  - ★ Support in releasing 1.5.
  - ★ Debugging and Testing activities.
    - New boost::filesystem::path creation problems.
      - fs::native check should be used for validating a path even if a string is concatenated to an already instantiated path.
- **LBProxy is now supported in NS 1.5 and Head. Purger pretty done and ready to be committed.**
- **JP integration in Purger 1.5 and Head.**
  - ★ InputSanbdoxUpload is triggered by the existence of JobProvenance attribute inside the JDL.
    - Not yet tested.
      - Is there a running JP server we could use for testing?

# Major bugfixes

- #9900 (Discussed)
  - ★ InputSandbox Parameter not inherited by nodes in a DAG
    - Fixed
      - 1.4, 1.5, Head
- #12458 (Discussed)
  - ★ Job::listMatchingCE gives incorrect answer (WMS C++ API)
    - Fixed
      - 1.4, 1.5, Head
- #11631
  - ★ The information supermarket in a 1.4 WMS is almost always empty in push mode with a production bdii
    - Fixed
      - 1.4, 1.5, Head
- #11788 (Discussed)
  - ★ glite-job-list-match is very slow in a WMS 1.4 using a bdii
    - Fixed
      - 1.4. To be ported to 1.5 and Head.
- #11704 (Discussed)
  - ★ WM crashes if ism\_dump contains entry purchased from rgma and the rgma purchaser is disabled - under progression
    - Still Open

- FuzzyRank.
  - ★ Using such a feature in glite 1.5 in some circumstances kills the WM.
    - Stochastic selector returns an iterator out of the container bound.
      - Fixed in 1.5, Head.
      - Unreproducible in 1.4.

# Open Issues & Future Work

- #12742 (Discussed)
  - ★ Memory Leaks in WMS.
    - Under investigation.
- Agreement with Valerio V. on the need of some investigation concerning recent troubles with long chained proxies.
- Still investigating the problem relevant to output retrieval in 1.5
  - ★ Output retrieval works in WMP
  - ★ NS after calling the purger dies

- Changing the direction the matchmaking is actually performed
  - ★ having another implementation of MM which starts screening the space of possible solution from the data requirements
    - The current approach:
      - scanning the space of CE to find authorized CE
        - » compute the space of involved SE
        - » resolve location of files and replicas
    - Proposed approach:
      - Resolve location of files and replicas
        - » Compute the space of involved SE
        - » Scanning ONLY the space of CE close to the SE involved in data requirements
- Could it be useful for job partitioning issues ?