glite-MPI_utils

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Enabling Grids for E-sciencE

- **glite-MPI_utils contains useful packages for implementing MPI at a site**
  - The requirement on sites is the available functionality, not the metapackage
  - It does not get into fabric-specific packages such as infiniband drivers
- **The glite-MPI_utils metapackage has patches under development (on SL4 and SL5).**
  - #3092 (SL4)
    - https://savannah.cern.ch/patch/index.php?3092
  - #3225 (SL5)
    - https://savannah.cern.ch/patch/index.php?3225

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Fixes available in patch #3092

https://savannah.cern.ch/patch/?func=detailitem&item_id=3092

Bug #	Issue	Status
50854	MPI_utils dependencies	Ready
52555	i2g-mpi-start version should be updated	Ready
54557	addition of OpenMPI (provided by OS)	Ready
54558	upgrade of mpich (v1) to mpich2 rpm will be provided	Ready
41007	libtorque.so/mpiexec dependency issue	Ready
48875	yaim: MPI environment	Remind
52560	yaim: mpirun not found	None
50524	yaim: host-based authentication between CE/WNs	Accepted

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- **Current plan is to put a dependency on OpenMPI such that it is resolved via the operating system**
  - **NIKHEF will provde the latest OpenMPI**
- **Support for multicore jobs**
  - **Long term – requirements still being defined**