WP1 Plans for release 2.1

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WP1 plans (1/3)

- Job Dependencies
  - Representation of DAGs through JDL
  - API for defining, submitting and monitoring DAGs
  - Full integration of Condor DAGMan within WMS
  - Pluggable component

- Job Partitioning
  - Representation of partitionable jobs through JDL
  - API for defining, submitting and monitoring partitionable jobs
  - Uses the Job Chkpt and Job dependencies features
  - Pluggable component

WP1 plans (2/3)

- Full integration of cost estimation/accounting into scheduling policies
  - take into account costs of resources and "money" available in the user's account for scheduling the job
  - requires WP4 RMS which might not be deployed everywhere
- Advance Reservation & co-allocation
  - Representation of reservation/co-allocation requests through JDL
  - API for reserving (immediately or in advance) resources
  - In EDG1.x we have no local resource manager supporting reservation. There will be reservable resources in EDG2 ?? Support from WP5/WP4 is required.

WP1 plans (3/3)

- Automatic replication triggering
  - Requires WP2 non-blocking calls (file prefetching)
- Integration of L&B and R-GMA
  - a daemon feeding R-GMA with data about job state changes will be already delivered in rel 2.0
- Direct interaction with R-GMA for job scheduling (switchable with MDS)
  - Plans on this item are not yet fully defined