

Optimization

- last meeting: *optimization* necessary
- how/where to do *optimization*?
- site/batch system or experiment/job submission
- how to *backfill*?
- pilots make individual job resource usage opaque

Backfilling

- to be able to backfill JobSlots: walltime approximation necessary
- backfill @ site: necessarily occurring gaps have to be accounted to VOs
- no prior runtime propagated = no meaningful backfill

e.g. KIT: 1 queue: dynamic cores, max 120h walltime

- cannot *optimize* single/multi job slots without prior any runtime knowledge

VO/site Interests

- sites
 - max utilization of bare metal resources *within* the VO shares
- VO
 - max utilization of VO share resources

KIT: Batch System

- SGE
- multi-VO site
- 1 queue
- dynamic cores
- queue: 120h runtime