



Discussion Topics

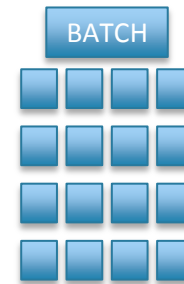
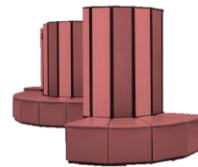
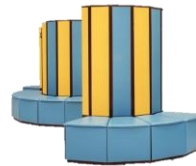
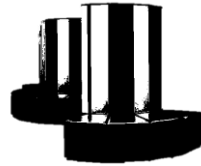
IT/SDC



Disclaimer

- Just ideas, no concrete projects
- Looking for projects to which IT-SDC can contribute
- Not an attempt to cover all aspects

Welcome to the Resource Zoo



Common Tools

- Common Analysis Framework
 - focus on commonalities on the higher level of the stack
 - some suggestions concerning common resource provisioning
- Resources will come in many new forms and shapes
 - commonalities closer to the resource level
 - reduce effort to adapt pilots and factories to different types of resources
 - increase acceptance by resource providers
 - Pilots, factories, stage in and out tools

Central role: Pilot Job

- Why not a common pilot job framework?
 - plugins for different workflow systems
 - taking care of glxexec integration
 - VM -“Fabric” monitoring
 - plugins for payload monitoring
 - plugins for staging (results, logs, etc.)
 - -----
- Tools for creating and managing Pilot Jobs
 - Classic (WLCG interfaces)
 - Clouds (on demand and Andrew McNab’s Vacuum)
 - Opportunistic resources
 - Dealing with accounting and tracking
 - Local

Storage at small T2s and Opportunistic Resources

- Operating reliable storage services requires effort and experience
- Running a pool of disks as a cache/staging area is much easier
 - no “clean up” of dark data
 - no re-population after incidents
 - trivial adding and removing of discs
- Assigning workload to small T2s/OR would populate the cache using the federation mechanism with frequently used data.
 - A local FTS can move the output to destination sites