



Storage Classes vs. CMS



Introduction



- Storage classes and SRM v2.2 have been debated in WLCG for about a year
- CMS has been mostly on the sideline
- Still SRM v2.2 storage servers (Castor, dCache, DPM) will be deployed this year and we will have to use them
 - As experiment
 - As sites
- Due time to make sure there is a good match with our needs

- True we are working already but
 - There are features we may want to use
 - There are features sites may require
 - Needs and/or features may vary among sites



Today



- Many CMS Tier1's are asking us what we need so that they can plan the deployment of hardware and functionalities accordingly
- CMS Computing Model and Computing TDR describe one particular way of using resources in a nominal LHC year
 - But are not an operation manual for day 1
 - Something may have to be different
- Megatable has lots of numbers
 - But they may change, and do not tell the full story anyhow
- By talking with many of you it became clear those documents need to be supplemented with an open discussion
- Tier1 representatives in CMS represents sites as well as user communities and project stakeholders



Goals



- What does it mean "in practice" to write/read data from the SRM server you will deploy for CMS
 - Do we need to change something w.r.t. what we do today ?
- Is the Computing Model really covering all patterns, now that we look at it 4 years later ? Should we better be prepared to handle disk/tape combinations not described there ?
- Which WLCG-defined storage classes best match CMS needs with site constraints ?
- Can sites representative leave today with an understanding of what to do ?