

FTS – Managing VO shares using File limits aka “The RAL Approach”

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Introduction

- Brainchild of Matt Hodges – RAL FTS Admin
- In use before and throughout CCRC08 Phase 1



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Rationale

- Better representation of underlying SE(s)
 - Separate Castor instance per VO
 - No gain from other VO inactivity
 - Channels tuned to VO's service class capabilities
 - LSF slots per server



Implementation

- Per channel:
- Files per VO set according to service class capability
- Shares set equal to Files
- Maximum Files = \sum Files per VO



Advantages

- File bandwidth guaranteed per channel/VO combination
 - PhEDEx limitation
- File bandwidth limited per channel/VO combination
 - Lopsided resources
- Independence
 - VO files can be adjusted without affecting file bandwidth of other VOs.

