Current FTS Dashboard APIs

- transfer-matrix: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/transfer-matrix
  - params: from_date, to_date, vo, activity, server.
  - Provides Efficiency/Throughput/Successes/Errors matrix. Gets data from the stats table: t_tfrs_stats
- error-samples: http://dashb-fts-transfers.cern.ch/ui/#m.content=%28efficiency,errors%29&p.grouping=server
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/error-samples
  - params: from_date, to_date, vo, activity, server
  - Categorizes the errors of transfers based on the error code. Gets data from the stats table: t_error_summaries
- transfer-bins: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server&tab=transfer_plots
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/transfer-bins
  - params: from_date, to_date, bin, vo, activity, server
  - Provides Efficiency/Throughput/Successes/Errors plots. Gets data from the stats table: t_tfrs_stats
- transfer-history: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server&tab=history_plots
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/transfer-history
  - params: from_date (YYYY-MM-DDTHH:MM:SS), to_date, bin (M for month, w for week, d for day and 10m for 10 min time bins), vo, activity (ASO, rucio/Data Brokering...), server

(fts3.cern.ch/lcgfts3.gridpp.rl.ac.uk...)

  - Provides Volume transferred/Number of transfers view. Gets data from the stats table: t_tfrs_stats
- fts-job-bins: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server&tab=fts_jobs_plots
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/fts-job-bins
  - params: from_date, to_date, vo, activity, endpnt, file_state
  - Provides a real time view on transfers status in FTS. Gets data from the raw table: t_fts_state
- active-transfers: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server&tab=latency_plots
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/active-transfers
  - params: vo, activity, endpnt
  - Provides the active transfers in FTS categorized by transfer time elapsed as well as a pointers to details of all transfers in a given category. Gets data from the stats table: t_transfers
- transfer-ranking: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server&tab=ranking_plots
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/transfer-ranking
  - prams: from_date, to_date, vo, activity, server
  - Provides ranking plots (between VOs, FTS endpoints, sites, etc.) on throughput, transfered bytes, SRM overhead, etc. Gets data from the stats table: t_tfrs_stats * job-state: Provide the FTS job status given a job id
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/job-state
  - prams: job_id
- transfer-map: http://dashb-fts-transfers.cern.ch/ui/#p.grouping=server&tab=map
  - url: http://dashb-fts-transfers.cern.ch/dashboard/request.py/transfer-map
  - params: from_date, to_date, vo, activity, server
  - Provides FTS traffic over google earth. Gets data from the stats table: t_tfrs_stats

FTS Data Analytics Platform

Architecture

Evaluated technologies

Elasticsearch

https://twiki.cern.ch/twiki/bin/view/ArdaGrid/ElasticSearchEvaluation

Hadoop

Performances

-- HassenRiahi - 2014-11-03

This topic: LCG > FTSDataAnalytics
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