**Logfile transfer service**Priority : 1 ID: 19332 Status :Refined!1 Logfile transfer service
\* web service to get list of qa logs per patient
\* web service to get a specific qa log file
\* web services to be implemented in 1724 by alex mayor
\* Playground mock up [http://therapyserver:8888/json]
\* web services specs: [ISSUE:21447]
\* [!LogfileTransferUI.png]

**logfile analysis tools**Priority : 1 ID: 19668 Status :Unrefined!!!Logfile Analysis Tools
\* Some specific logfile analysis results need to be provided.
\* When showing two dose distributions (dont really have to be exclusive to log files) in the comparison perspective, then it should be possible to show a dialog which calculates and shows the following parameters:
\*\* Max Dose (%)
\*\* Mean Dose (%)
\*\* Minimum Dose (%)
\*\* Gamma analysis pass rate (3% , 3mm)
\*\* The pass rate should be adjustable by user
\*\* Profiles (Are profiles necessary in dose distributions?) (?)
\* It should be possible to export a figure of the dose (dose difference) in to the file system as a .png
\* FTPP should propose a sensible filename for the figure e.g.
{{{
P19001\_TR1\_Series1\_FR01\_Log\_ZSlice15.png
}}}

**Logfile Result Summation**Priority : 1 ID: 21449 Status :Unrefined!Logfile Result Summation
\* a type pf "plan sum"
\* containing different logfile calculations
\* user interface must be flexible enough to handle summations from different days, different fractions

**Apply a low dose threshold to the pixels included in the analysis**Priority : 1 ID: 21451 Status :Unrefined!1 Apply a low dose threshold to the pixels included in the analysis
\* default value of 10%
\* for example 10%
\*\* 10% of prescribed dose for that field or plan.

**Max and Min dose difference results**Priority : 1 ID: 21452 Status :Unrefined!1Max and Mindose difference results
\* Minimum
\* Maximum
\* per field and per plan
\* absolute or relative

**Percentage of voxels below X % in difference**Priority : 1 ID: 21453 Status :Unrefined!1 Percentage of voxels below X % in difference
\* after calculating a dose difference show percentage of voxels with a difference value less than defined percentage X.
\*\* e.g. what percentage of voxels were within 1% ?
\* standard values 1% and 3%

**Dose difference histogram**Priority : 1 ID: 21454 Status :Unrefined!1Dose difference histogram
\* Histogram of dose difference values

**Generate a logfile analysis report**Priority : 1 ID: 21461 Status :Unrefined!1 Generate a logfile analysis report
\* should include
\*\* min and max dose difference for each field and for a plan
\*\* user to select which organs at risk / targets (structures) should be included in the report with a DVH and a dose difference histogram
\*\* percentage of voxels with dose below 1% and 3%
\*\* gamma result : number of voxels with gamma index less than 1 , given X % Y mm .

**Percentage of low weighted spots in a logfile**Priority : 1 ID: 21462 Status :Unrefined!1Percentage of low weighted spots in a logfile

**Calculate a logfile with teaching correction from a different logfile**Priority : 1 ID: 21463 Status :Unrefined!1Calculate a logfile with teaching correction from a different logfile

**Calculate a logfile on a different CT**Priority : 1 ID: 21465 Status :Unrefined!Calculate a logfile on a different CT
\* import a registered EvaluationCT
\* maintain the registration into FTPP
\* perform a logfile calculation from a treatment series on this Evaluation CT
\* normal evaluation tools should then be usable