



# Use of network information for FTS scheduler

Code	IT7592
Programme	FCT
Department	IT
Responsible	27871 - Mr. Alberto Pace

## Title

Use of network information for FTS scheduler

## Description

Problem statement: File Transfer Service (FTS) is currently not fully exploiting the network information when deciding on the number of parallel transfers for a given network link.

Objective: Use the network information from perfsonar regarding the network performance in LHCONE. This will require to implement the FTS Optimizer API to provide a range of `actives<sub>l</sub>` (number of parallel transfers) for a specific link, taking into account the current network status.

Results: A performance (throughput) analysis for different file sizes, comparing the current FTS optimiser and the proposed enhanced implementation.

## Skills

Programming Languages: C++, Python

- object-oriented development;
- performance analysis

## Disciplines

Information Technologies

To edit this project go to [https://hrapps.cern.ch/auth/f?p=131:4::::P4\\_ID:7592](https://hrapps.cern.ch/auth/f?p=131:4::::P4_ID:7592)