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After upgrade of the LHCb experiment in 2020, the Data Acquisition (DAQ) system will require a 500 nodes network with 100 Gb/s each of bandwidth to handle the data coming of the detector. Currently, DAQPIPE (Data Acquisition Protocol Independent Performance Evaluator) is being used to simulate and evaluate the performance of such a DAQ system on existing hardware. This project, Integrating Htopml into DAQPIPE, is divided in two stages: the goal of the first stage is to extend Htopml, a profiling tool for DAQPIPE, enabling to monitor new features of DAQPIPE for deeper analysis; and the goal of the second stage is to enable the dynamic modification of parameters in DAQPIPE through its modification in Htopml.

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