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Batch Processing at CERN

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The CERN Batch System comprises 4000 worker nodes, 60 queues and offers a service for various types of large user communities. In light of the developments driven by the Agile Infrastructure and the more demanding processing requirements, it is faced with increasingly challenging scalability and flexibility needs.

This production cluster currently runs IBM/Platform LSF. Over the last few months, an increasing number of large-scale interventions had to take place, betraying some critical limitations we will need to overcome in the future. We have started working on a project helping us implementing work flows to help use face these problems.

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