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# Status and Prospects of LHC Experiments Data Acquisiton

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Data Acquisition systems are an integral part of their respective experiments. They are designed to meet the needs set by the physics programme. Despite some very interesting differences in the architecture the unprecedented data-rates at LHC have led to a lot of commonalities among the four large LHC data acquisition systems. All of them rely on commercial local area network technology and more specificially mostly on Gigabit Ethernet. They transport the data from the detector readout-boards to large farms of industry standard servers, where a pure software trigger is run. These four systems will be reviewed, the underlying commonalities will be high-lighted and interesting architectural differences will be discussed. In
view of a possible LHC upgrade we will briefly discuss the suitability and evolution of the current architectures to fit the needs of SLHC.

**2**

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