

# Big Data Processing in Cloud Computing Environments

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While technologies to build and run big data projects have started to mature and proliferate over the last couple of years, exploiting all potentials of big data is still at a relatively early stage. In fact, big data is term refer to huge data sets, have high velocity, high volume and high variety and complex structure with the difficulties of management, analyzing, storing and processing. Due to characteristic of big data it becomes very difficult to Management, analysis, Storage, Transport and processing the data using the existing traditional techniques. This paper introduces several big data processing technics from system and application aspects. First, from the view of cloud data management and big data processing mechanisms, we present the key issues of big data. Following, we present the cloud computing for big data and related work. Furthermore, we also discuss, big data moving to the cloud. Finally, we present the conclusion and future work.

**Keywords:** Big Data, Cloud Computing, Data Management; Distributed Computing.