

## **238. DCACHE-DISTRIBUTED AND CENTRALIZED CACHE FOR BIG-DATA APPLICATION**

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The cache phrase big data refers to the large-scale distributed applications that work on unprecedentedly large data sets. Map reduce framework are user specified computation, for parallelizing the computation across large scale clusters of machines. An observation regarding these applications is that they generate a large amount of intermediate key/value pair and these are thrown away after the process is finished. The information which is thrown can be used for the next cycle of execution for particular application and can decrease the time of execution for application. There are potential duplicate computations being performed in this process. The motivation over this system is to use intermediate results for further execution of the applications, where we don't want to execute results which are previously processed. Thus in this system we proposed a Centralized and Distributed cache strategy which keeps previously processed data in cache memory at local and centralized. So there are two cache memories will be used for faster execution of applications, one will be local cache and another will be centralized distributed cache. So that, the size and transactional capacity of data will be increased.

Keywords: bigdata;MapReduce;Hadoop;Distributed and Centralized cache.

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