

عنوان مقاله:

Aplication of Hadoop for Offline Analysis of Power Quality Disturbances

محل انتشار:

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خلاصه مقاله:

Identification of voltage and current disturbances is an important task in power system monitoring and protection. Due to the wide frequency range of the disturbances, a high sampling rate is necessary for offline processing of the disturbances, which leads to a large volume of data and such a processing is impractical, therefore. In this paper application of Hadoop distributed computing software, for offline processing of power quality disturbances is proposed and it is shown that this application makes such a processing possible and leads to a very cheaper system with .widespread usage, compared to the power quality analyzers

کلمات کلیدی:

power quality, power qulaity disturbances, offline processing of power qulaity disturbances, distributed processing, big data, Hadoop

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