

Energy and Green IT Resource Management Analysis and Formation in Geographically Distributed Environmental Cloud Data Centre

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Abstract

On-demand Cloud Computing (CC) offers users worldwide access to computing resources. It has two components; Sustainable IT is a complicated matter. The first and most complex issues are energy efficiency and the energy ratio of the IT environment. Secondly, there is the utilization of renewable. These two have to be dealt with. An application design plays a significant role in CC, while an efficient application structure may increase cloud data centres' energy efficiency and viability. However, cloud data centres consume a considerable amount of energy and leave a significant carbon footprint on an ecosystem. Data centres account for 1.98% of the global emission of CO₂, just like aviation. Therefore, it is unavoidable for distributed cloud data centres to have energy and carbon-efficient technology. Cloud providers should also meet their required service quality while efficiently allocating computing resources to users. The main aim of this paper is to deal with the energy



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CERTIFICATE OF GRANT INNOVATION PATENT

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Title of invention:

AN IOT BASED TYRE PRESSURE AND TEMPERATURE MONITORING SYSTEM

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Term of Patent:

Eight years from 17 January 2021

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