Cloud Computing quality model for Healthcare system software as a service

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Abstract

Cloud computing can be briefly defined as a technology model in which applications, data, and IT resources are provided as services provided to users over the Internet. Studies have indicated that the existence of a quality model for cloud computing for programs as a service for health care systems may serve this sector greatly, whether in terms of increasing efficiency or reducing costs and other benefits in relation to this type of system. Therefore , this thesis proposed a new quality model for cloud computing services for software as a service for healthcare systems. This model contains eight main characteristics and eighteen sub-characteristics . To verify the validity of the proposed model, a questionnaire was created to collect data and randomly distribute it to the study sample. The data was processed and analyzed by hierarchical analysis. The results demonstrate the importance of these characteristics for healthcare systems and their prioritization.

Key words: AHP, Cloud Computing, Software As A Service