

An Infrastructure as a Service Accountability Requirements for Big data: An Interview Study

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Organizations seek to employ the power of big data (BD) to improve their decision-making and business process. Infrastructure as a service (IaaS) enabling them to take advantage of BD. However, increasing the acceptance of BD is difficult due to common issues such as accountability of cloud providers. Securing BD has its own distinctive challenges that are not profoundly different to traditional data. This paper tends to identify and develop an accountability model based using interview study. The study aims to explore the new Accountability Control Areas (ACAs) and Accountability Control Criteria (ACC) that can influence the overall Accountability degree for BD processing over IaaS cloud. The analysis results brought out three ACAs and fifteen ACC.

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