

Big data and machine learning framework for clouds and its usage for text classification

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ABSTRACT

The paper describes a big data and AI application development and execution framework that was originally developed for MTA Cloud (an OpenStack based cloud) but could be used on other clouds including Amazon, OpenStack, OpenNebula and CloudSigma. The paper explains the concept and components of the big data and AI environment and illustrates its usage by a text classification application.

Keywords—*machine learning; big data; parallel and distributed execution; cloud;*

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