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**Integration of Data Mining as a Service on Cloud API via Cloud mining Algorithm**

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**Abstract**

Currently, information technology (IT) emerged to satisfy needs of end users with high-end applications. Due to increase in IT applications, tons of data's are produced every day. The invention of cloud computing ease the job of IT field users to handle their business without even building an IT environment. But also, management of tons of data became a tough to IT field users. Therefore, integration of Data mining as cloud API will provide solution by dynamic information splitting and allocating properly, so that it can provide data efficiently whenever user needs [1]. This paper introduces a cloud mining lifecycle, which can be solution to store and handle data effectively on cloud computing. The proposed lifecycle focuses on privacy and security issues on cloud computing infrastructure as an added advantage. The implementation of the lifecycle in contradicting cloud mining field will satisfy both service providers as well as end users.

**Keywords:**

Cloud API, Data Mining, Cloud Mining, Data Science, Machine Learning.

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