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Unsupervised machine learning methods for anomaly detection software-as-a-service application network traffic logs

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In a typical software-as-a-service (SaaS) web-based product a significant amount of user activity is being collected. A typical challenge in such system is to provide a pro-active security monitoring where abnormal user activities can be quickly discovered and mitigated. The goal of this research is to present how machine learning and unsupervised learning algorithms can be applied to such user activate data to classify user behavior patterns and detect abnormal behavior in a real-word use case scenario.