Accepted Manuscript

Anomaly Detection and Diagnosis for Cloud services: Practical experiments and lessons learned

Carla Sauvanaud, Mohamed Kaâniche, Karama Kanoun, Kahina Lazri, Guthemberg Da Silva Silvestre

PII: S0164-1212(18)30025-6
DOI: 10.1016/j.jss.2018.01.039
Reference: JSS 10110

To appear in: *The Journal of Systems & Software*

Received date: 31 March 2017
Revised date: 15 December 2017
Accepted date: 31 January 2018

Please cite this article as: Carla Sauvanaud, Mohamed Kaâniche, Karama Kanoun, Kahina Lazri, Guthemberg Da Silva Silvestre, Anomaly Detection and Diagnosis for Cloud services: Practical experiments and lessons learned, *The Journal of Systems & Software* (2018), doi: 10.1016/j.jss.2018.01.039

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Anomaly Detection System (ADS) for cloud services based on machine learning algorithms
- Two diagnosis levels: anomalous VM behavior and type of error causing the anomaly
- Deployment and validation of the ADS on a VMware based cloud-computing platform
- Generation of complete datasets for training and validation using error emulation
- Two case studies: MongoDB database and a Virtual Network Function (VNF)

ACCEPTED MANUSCRIPT

دریافت فوری ← متن کامل مقاله

ISIArticles
مرجع مقالات تخصصی ایران

✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
✓ امکان دانلود نسخه ترجمه شده مقالات
✓ پذیرش سفارش ترجمه تخصصی
✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
✓ دانلود فوری مقاله پس از پرداخت آنلاین
✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات