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

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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)

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