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Mestrado em Engenharia Informática

Relatório de estágio Avaliação da Robustez de Plataformas Cloud

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1 Abstract

abstract

Keywords: keywords.

2 Introduction

introduction

3 State of the Art

Nowadays, people use lot's of services based in cloud and lot's of companies choose to use them too.

Because, using it, companies reduce the costs of IT infraestructure and people don't buy "physical storage" and don't care where are the data. The cloud service provide that the data is secure. But, like any system, the cloud have problems such as another computer systems, software and hardware faults. And the resilience of the cloud is an important caracteristic.

The increased use of cloud is related with a low usage of many dedicated servers, and their migration

With this work, I want to inject software faults and analyse how the system react to them.

A lot of studies show that the software faults it's the main cause of computer failures.

In this work deliberate how [1] [2] [3]

4 Research objectives and approach method

5 Current work and preliminary results

6 Work plan and implications

7 Management

7.1 Reunions

Reunions

7.2 Riscs

Riscs

7.3 Planning and Tracking

Planning and Tracking

8 Notes to future

Notes to future

9 Conclusions

Conclusions

References

- [1] Joao A Duraes and Henrique S Madeira. Emulation of software faults: A field data study and a practical approach. *Software Engineering*, *IEEE Transactions on*, 32(11):849–867, 2006.
- [2] Katinka Wolter, Alberto Avritzer, Marco Vieira, and Aad van Moorsel. Resilience assessment and evaluation of computing systems. Springer, 2012.
- [3] Algirdas Avizzienis, Jean-Claude Laprie, Brian Randell, and Carl Landwehr. Basic concepts and taxonomy of dependable and secure computing.