PulsarCast

Scalable reliable PubSub over P2P networks

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Acknowledgments

TODO

Abstract

The publish-subscribe paradigm is a wildly popular form of communication in complex distributed systems. A lot of research exists around it, with solutions ranging from centralised message brokers, to fully decentralised scenarios (peer to peer). When we are focusing on scalability, decentralisation poses the best option. There is, however, a clear lack of decentralised systems accounting for reliability, message delivery guarantees and, more importantly, persistence. To this end, we present PulsarCast, a decentralised, highly scalable, pub-sub system seeking to give guarantees that are traditionally associated with a centralised architecture such as persistence and eventual delivery guarantees.

Keywords: Publish Subscribe, Peer to peer, Reliability, Persistence, Eventual delivery

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Acronyms

IST Instituto Superior Técnico. 3

MSc Masters degree in the area of Science.. 3

Chapter 1

Introduction

Your introduction here...

A demonstration of how to use acronyms and glossary:

A MSc entry.

Second use: Instituto Superior Técnico (IST).

Plurals: MScs.

A citation example [1]

Chapter 2

Evaluation

Evaluation here...

Chapter 3

Conclusion

Conclusion here...

Bibliography

[1] No one, "Nothing."

Appendix A

Appendix chapter