

Confidential Cloud Services

Neele Peter

Friedrich-Alexander-Universität Erlangen-Nürnberg

1 ABSTRACT

In this paper I am going to compare two confidential cloud services, the Confidential Consortium Framework (CCF) [2] and Nimble [1]. They both provide

3 CCF

2 INTRODUCTION

A Confidential Clod Service is an additional service that can be applied on top of an existing cloud provider.

4 NIMBLE

5 COMPARISON

5.1 Rollback Attacks

5.2 Reconfiguration

5.3 Disaster

5.4 Usecase

6 CONCLUSION

REFERENCES

- [1] Sebastian Angel, Aditya Basu, Weidong Cui, Trent Jaeger, Stella Lau, Srinath Setty, and Sudheesh Singanamalla. Nimble: Rollback protection for confidential cloud services (extended version). Cryptology ePrint Archive, Paper 2023/761, 2023. <https://eprint.iacr.org/2023/761>.
- [2] Heidi Howard, Fritz Alder, Edward Ashton, Amaury Chamayou, Sylvan Clebsch, Manuel Costa, Antoine Delignat-Lavaud, Cedric Fournet, Andrew Jeffery, Matthew Kerner, Fotios Kounelis, Markus A. Kuppe, Julien Maffre, Mark Russinovich, and Christoph M. Wintersteiger. Confidential consortium framework: Secure multiparty applications with confidentiality, integrity, and high availability, 2023.