Using Software-defined Networking and Big Data for mutual performance benefits

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General Terms

Networking, Cloud computing.

Keywords

Software-defined networking, Big Data

1. INTRODUCTION

Big Data and Software-Defined Networking are both relatively new technologies in the field of computer science. The advanced methods for data acquisition and the abundance of data itself allowed and caused the big data paradigm to emerge in the beginning of the 2000s. The most well known applications and algorithm for big data, namely Google's The Google File System (GFS) and MapReduce, debuted in 2003 and 2004 respectively [?, ?] and their success has since inspired other similar applications like Apache's open-source implementation Hadoop. [?].

Software-defined Networking is newer both conceptionally and in practice as the

2. SOFTWARE-DEFINED NETWORKING
3. BIG DATA CHALLENGES
4. HOW CAN SDN HELP?
5. SDN CHALLENGES?
6. HOW CAN BIG DATA HELP?
7. CONCLUSIONS
8. REFERENCES

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