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Abstract

1 Introduction

Talk about big data

DBMS

OLTP- give examples (bank transactions, flight tickets, hotel) and OLAP

So we need logging because the system must be durable, nothing lost

How to do that? Store everything to disk but how? Many many different ways to do that...

Different logging alogorithms to solve this problem

Traditional logging: AIRES, these days we have multi cores and multi servers

So, Serial logging not good enough in future

We are doing in this paper: solve this problem

Briefly touch on main idea behind batch and parallel logging

2 Serial Logging

AIRES is an example

Must give background (concurrency, other details)

3 Batch Logging

4 Parallel Logging

5 Evaluation

6 Conclusion