



Título: Workload-aware Parameter Selection and Performance Prediction for In-memory Databases

Data: 19/04/2018

Horário: 13:00h

Local: Hall do Centro de Ciências - Bloco 902

Resumo:

In-memory databases, just as hard drive ones, may offer hundreds of customizable settings, making the task of system tuning overwhelming for a database administrator. Even worse, the number of parameters continues to grow over the years and they can affect performance in a not intuitive manner. Models that capture their behavior can assist automatic tuning mechanisms to obtain optimal performance. In this work, we propose a learning-based approach to select the most meaningful parameters and generate a performance model based on both the workload and the database configurations. Experimental results confirm that our approach can create accurate performance models using only a reduced set of selected parameters.

Defesa de Qualificação de Mestrado: Maria Isabel Vasconcelos Lima

Escrito por Administrator

Qua, 18 de Abril de 2018 00:00

Banca:

- Prof. Dr. Javam de Castro Machado (MDCC/UFC - Orientador)
- Prof. Dr. João Paulo Pordeus Gomes (MDCC/UFC)
- Prof. Dr. José Antonio Fernandes de Macêdo (MDCC/UFC)