Chat Mode RAG Mode (2) (2) Parameters Max Length 1024 8 2048 Temperature 0.70 0.00 1.00 Actions

📃 Local Chatbot 🔄

🚀 A chatbot powered by LlamaIndex and Ollama 🦙

Hello, I'm your assistant, how can I help you?

When implementing a B+ tree index in a database system, what is the optimal fill factor (percentage of space used in each node) to maximize performance? a) 50% b) 67% c) 75% d) 100%

A question about databases!

According to various sources, including Oracle's documentation and other reliable sources, the optimal fill factor for a B+ tree index in a database system is:

b) 67%

Here's why: A higher fill factor (e.g., 75%) can lead to slower query performance because the tree becomes more bushy and harder to navigate. On the other hand, a lower fill factor (e.g., 50%) can result in more page splits and inserts, which can negatively impact performance.

A fill factor of 67% strikes a good balance between these two extremes. It allows for efficient storage of index keys while minimizing the likelihood of page splits and inserts.

So, the correct answer is b) 67%.

Response Time (Non-INAG). 4.41 Seconds

CPU Usage (Non-RAG): 7.90%

Memory Usage (Non-RAG): -0.10%

Ask a question: