PostgreSQL Portland Performance Practice Project (P5)

A series of presentations by Mark Wong

Sponsored by the Computer Science Department, Portland State University

This series will consist of 5 to 6 presentations aimed at PostgreSQL database users who wish to learn more about tuning their systems for performance. Attendees will learn how to generate and interpret operating system (Linux) and database statistics, and the effects of some system tuning techniques.

This involves studying the well known Online Transaction Processing (OLTP) benchmark called TPC-C (www.tpc.org). TPC-C was developed by a committee, representing all major players in the database marketplace, to be representative of typical online enterprise databases.

TPC-C consists of a precisely defined schema and 19 queries. We will review the schema and queries and demonstrate how each tuning technique affects their performance. We will use an open source package that the speaker has developed, called DBT-2, which many DBAs have found useful.

Mark Wong has an MS in Computer Science from OGI and several years of experience developing and executing various database systems benchmarks. Most relevant to this series are his years spent at the OSDL developing and using a fair-use derivative of the TPC-C benchmark to characterize system performance of open source software. He now works at HP StorageWorks on their NAS products. For

For more information, contact Mark Wong at markwkm@postgresql.org.

2nd THURSDAY OF EACH MONTH, BEGINNING JANUARY 8, 7:00 PM

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