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Transaction Processing Performance Council (TPC) Launches TPCx-HS, the First Vendor-Neutral, Industry Standard Big Data Benchmark

TPCx-HS – the TPC’s first “Express” class benchmark – is available online via downloadable kit and enables measurement of price, performance and energy consumption of big data systems

San Francisco, August 18, 2014 – The Transaction Processing Performance Council (TPC) today announced the immediate availability of TPCx-HS, developed to provide verifiable performance, price / performance, availability, and optional energy consumption metrics of big data systems. TPCx-HS is the industry’s first objective benchmark enabling measurement of both hardware and software including Hadoop Runtime, Hadoop Filesystem API compatible systems and MapReduce layers. And – as the TPC’s first Express Benchmark™ – TPCx-HS is available via the TPC Web site in the form of a downloadable kit.

TPCx-HS can be used to assess a broad range of system topologies and implementation methodologies, in a technically rigorous and directly comparable, vendor-neutral manner. It is available online – via the TPC’s Web site – at the following URL: www.tpc.org/tpcx-hs.

“TPCx-HS is a major achievement in two distinct arenas,” said Raghunath Nambiar, chairman of the TPCx-HS committee. “TPCx-HS is the first vendor-neutral benchmark focused on big data systems – which have become a critical part of the enterprise IT ecosystem. Secondly, TPCx-HS is the first Express-class benchmark issued by the TPC. Express-class benchmarks are being developed in response to overwhelming demand for a turnkey alternative to enterprise-class benchmarks, which have distinct advantages but are also substantially more time-intensive and costly to run.”

Big Data was identified as a priority area for vendor-neutral benchmark development during last year’s Technology Conference on Performance Evaluation and Benchmarking (TPCTC). This year’s TPCTC conference will be held in Hangzhou, China on September 5, co-located with VLDB 2014. Additional information is available online: <http://www.tpc.org/tpctc/tpctc2014/default.asp>.

Organizations that are interested in influencing the TPC benchmarking development process, including benchmarks on Big Data, are encouraged to become members as well. Additional information is available online: <http://www.tpc.org/information/about/join.asp>.

About the TPC

The TPC is a non-profit corporation founded to define transaction processing and database benchmarks and to disseminate objective, verifiable TPC performance data to the industry. The TPC currently has 21 full members: Actian, Cisco, Cloudera, Dell, Fujitsu, HP, Hitachi, Huawei, IBM, Intel, Inspur, MapR, Microsoft, NEC, Oracle, Pivotal, Red Hat, SAP, Teradata, Unisys and VMware; and five associate members: Ideas International, ITOM International Co, San Diego Supercomputer Center, Telecommunications Technology Association and the University of Coimbra. Further information is available at <http://www.tpc.org>.