BUT WHICH JVM RUNS BETTER WITH JBOSS DATA GRID?

WE DECIDED TO FIND OUT WITH A NEUTRAL STUDY.

ZING PROVES TO BE THE WINNER FOR JBOSS DATA GRID DEPLOYMENTS.

LEVERAGING LARGER DATA NODES.

TESTING PARAMETERS

1 TWIN MACHINES WITH IDENTICAL CONFIGURATION

PROCESSOR (X 4) INTEL® XEON® CPU E7-4820 @ 2.00GHZ

MEMORY (X 32) 16GB RDIMM, 1066MHZ, LOW VOLT, DUAL RANK

2 DIFFERENT JVMS

AZUL AND HOTSPOT TM

5 PERFORMANCE RUNS ON VARYING HEAP SIZES

1 BENCHMARK TO FIND THE WINNER

RADARGUN

THE RESULTS

20 GB

ZING CRUISES RESPONSE TIME BELOW 30 MILLISECONDS

HOTSPOT HAS A HITCH ½ SECOND PAUSE AT 99.99TH PERCENTILE

40 GB

ZING TAKES LEAD RESPONSE TIMES STILL BELOW 30 MILLISECONDS

HOTSPOT TRIES TO CATCH UP 1 SECOND PAUSE

60 GB

ZING STANDS RESPONSE TIMES STILL BELOW 30 MILLISECONDS

HOTSPOT STARTS TO SHAKE 2 SECOND PAUSE

100 GB

ZING SPEEDS AHEAD RESPONSE TIMES STILL BELOW 30 MILLISECONDS

HOTSPOT STARTS BREAKING DOWN 5 SECOND PAUSE

200 GB

ZING SETS THE NEW RECORD RESPONSE TIMES BELOW 30 MILLISECONDS EVEN AT 200 GB

HOTSPOT HAS AN UNFORTUNATE CRASH UNABLE TO TAKE ON 200GB HEAPS

ZING FEATURES

LEVERAGE IN-MEMORY DATASETS WITH PREDICTABLE LOW LATENCY

LONGER L1/L2 DATA NODES (UP TO 340 GB)

LOWER TIMEOUTS (<50 MILLISECONDS)

LEARN MORE ABOUT JBOSS AND ZING TRY ZING TODAY

Contact Azul Systems at:

CALL US +1.650.230.6500

ON THE WEB azul.com

EMAIL US info@azul.com

BENEFITS OF ZING

IMPROVES TIME TO MARKET

DECREASES HOURS SUSTAINED THROUGH FAULTS

IMPROVES APPLICATION RUNTIME CONSISTENCY

IMPROVES RESPONSE TIMES

SIMPLER DEPLOYMENT TOPOLOGY

EXTREMELY FAST JVM EXECUTION MEETS HARSH EXECUTION REQUIREMENTS

DELIVERS ACCESS TO ACCURATE, REAL-TIME INFORMATION

HANDLES UNEXPECTED TRAFFIC VOLUMES

THE JBOSS GRAND PRIX WHICH IS THE BEST JVM FOR JBOSS DATA GRID

JBOSS DATA GRID IS THE PERFECT PLATFOR TO RACE YOUR APPLICATIONS.

THE JBOSS DATA GRID IS EXTREMELY FAST AND SCALABLE.

MEETS HIGH UPTIME REQUIREMENTS.

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SIMPLER DEPLOYMENT TOPOLOGY.

GRAND PRIX

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