



Avetec DICE Program Delivers Report on eXludus Multicore Manager

December 06, 2011

Avetec's Data Intensive Computing Environment (DICE) program has released the results of their an in-depth investigation of the eXludus MCOPt Multicore Manager technology

Dec. 5 -- Avetec's Data Intensive Computing Environment (DICE) program recently conducted an in-depth investigation of the eXludus MCOPt Multicore Manager technology. eXludus MCOPt multicore management software is an intelligent middleware layer that manages available core and memory resources while preventing contention for shared resources. It offers the potential for increased computing capacity without degrading system performance due to underutilized processing resources.

"As a part of this evaluation, we conducted experiments on the DICE program's geographically dispersed test bed to evaluate the MCOPt software," said DICE Senior Systems Analyst Rick Beam. "Our goal was to see if it actually resolves the issues associated with multicore processors and increases individual system and overall cluster throughput."

The DICE team evaluated the eXludus MCOPt tool against eXludus published product specifications. The evaluation included testing of functionality as documented, performance as documented and installation and configuration. To mirror the activities of a typical technical computing/HPC environment, the DICE team included a number of technical applications in this testing with application processing tasks dispatched across a cluster environment via a traditional workload manager.

"The eXludus MCOPt software has shown that it can increase workload throughput by safely allowing more concurrent processing tasks per compute node," said Al Stutz, Avetec's Chief Information Officer and co-leader of the DICE program. "MCOPt was easy to install and maintain and works transparently with all existing applications, which are important given the large number of applications that exist today."

DICE independently evaluates hardware and software solutions for enterprise and government with the goal of helping organizations save critical resources and time. DICE helps organizations in high performance computing and IT focus their resources on technology investments for critical challenges; optimize quality, performance and functionality; correct issues before deployment, reduce risk and cost, test alternatives prior to launch; enhance product and technology validity and marketability; and accelerate product release. For additional information on the DICE program, visit diceprogram.org.

To access the performance evaluation report on the eXludus MCOPt multicore manager technology, go to www.diceprogram.org.

Source: Avetec - DICE Program

Copyright © 1994-2011 **Tabor Communications**, Inc. All Rights Reserved.

HPCwire is a registered trademark of Tabor Communications, Inc. Use of this site is governed by our Terms of Use and Privacy Policy. Reproduction in whole or in part in any form or medium without express written permission of Tabor Communications Inc. is prohibited.

Powered by **Xtenit**