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Contact:

Scott James
Chief Executive Officer
Applied Dynamics International
3800 Stone School Road
Ann Arbor, MI 48108-2499 USA
sjames@adi.com
734-973-1300, ext 201
734-688-0012 (FAX)
<http://www.adi.com>

Applied Dynamics Announces Plans for the Next Major Release of ADvantage

Ann Arbor, Mich. April 23rd, 2010 –Applied Dynamics International (ADI) today announced details of the next major release of the ADvantage Framework product line.

ADI's upcoming major release of the ADvantage Framework (nominally version 9) will officially be called ADvantage Simulation Asset Suite, or more commonly "ADvantage SAS". ADvantage SAS represents a significant advancement for the software product line as it will support both Linux and Windows desktop tools under a single platform-independent code base.

"There was a time, not so long ago when ADvantage was simply the software front-end for ADI's line of hardware-in-the-loop simulation systems," notes Scott James, Applied Dynamics President and CEO. "Over the past five years ADvantage has grown to become a toolset used for a much wider range of simulation-related activities and allows simulation assets to be used throughout the development process. ADvantage SAS represents a major leap forward with the addition of native support for Linux desktops and also component-based packaging to provide a broader user base.

Prior to version 8 of the ADvantage tools support was offered for Sun Solaris Unix and Windows. However, this support for multiple platforms required two separate code bases to be developed and maintained. With the launch of ADvantage version 8 the demand for Sun Solaris Unix support waned to a level justifying ADvantage to move forward with support for Windows only.

"During the planning stages for ADvantage SAS our software team performed an exhaustive survey of the options and technologies to enable a platform-independent core software product line." explained Melissa Wright, Applied Dynamics Chief Operating Officer. "There are a lot of options. We tested various approaches to get a deep understanding of their suitability for the ADvantage product line. Just-in-time compiled options, such as Java, were tested but were found to give performance that was not acceptable for the real-time graphics requirements of simulation visualization. Fortunately, the open-source movement has resulted in the rise of some powerful technologies for multi-platform development. We are well underway with the development of ADvantage SAS and our experience with the multi-platform development paradigm of choice has been far better than we would have expected."

ADvantage SAS will include the ADvantageDE, ADvantageVI, and SIMplotter tools with comparable capability to and compatibility with ADvantage version 8 projects but will allow users to choose Linux or Windows as the desktop operating system of choice.

“When applied to hardware-in-the-loop simulation applications, the ADvantage tools were typically bundled with a real-time simulation computer. More recently we’ve also seen a demand in the market to offer the ADvantage tools as a software package our customers could use with commercial-off-the-shelf computer equipment to ‘build-their-own’ hardware-in-the-loop simulation systems. ADvantage SAS was developed with this group of users as a key design consideration and will make it far easier for these users to accomplish their tasks.” added Mr. James.

About ADvantage

The ADvantage Framework is an open architected suite of software tools for simulation-based development and test. Simulation-based development and test activities available with the ADvantage Framework include software-in-the-loop simulation, real-time hardware-in-the-loop simulation, and distributed real-time simulation. The ADvantage Framework provides the software backbone for many of today’s most advanced system integration labs.

To learn more about ADvantage visit http://www.adi.com/products_sim.htm.

Notes: ADvantage, ADvantage SAS, ADvantage Framework, ADvantageVI, ADvantageDE, and SIMplotter are registered or unregistered trademarks of Applied Dynamics International.

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